

Tiina Maija Tenkanen

List of Publications by Year in Descending Order

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

166
papers

7,971
citations

51
h-index

82
g-index

168
ext. papers

8,749
ext. citations

5.4
avg, IF

5.85
L-index

#	Paper	IF	Citations
166	Separation of isomeric cereal-derived arabinoxylan-oligosaccharides by collision induced dissociation-travelling wave ion mobility spectrometry-tandem mass spectrometry (CID-TWIMS-MS/MS). <i>Food Chemistry</i> , 2022 , 366, 130544	8.5	1
165	Valorization of Urban Street Tree Pruning Residues in Biorefineries by Steam Refining: Conversion Into Fibers, Emulsifiers, and Biogas. <i>Frontiers in Chemistry</i> , 2021 , 9, 779609	5	1
164	Structural characterization of the family GH115 β -glucuronidase from <i>Amphibacillus xylanus</i> yields insight into its coordinated action with β -arabinofuranosidases. <i>New Biotechnology</i> , 2021 , 62, 49-56	6.4	4
163	Colloidal features of softwood galactoglucomannans-rich extract. <i>Carbohydrate Polymers</i> , 2020 , 241, 116368	10.3	5
162	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
161	Quantitative Comparison of Pyranose Dehydrogenase Action on Diverse Xylooligosaccharides. <i>Frontiers in Chemistry</i> , 2020 , 8, 11	5	4
160	Active food packaging through controlled production and release of hexanal. <i>Food Chemistry: X</i> , 2020 , 5, 100074	4.7	9
159	Field-Flow Fractionation of Cationic Cellulose Derivatives. <i>Chromatographia</i> , 2019 , 82, 1827-1832	2.1	2
158	Environmentally-compatible alkyd paints stabilized by wood hemicelluloses. <i>Industrial Crops and Products</i> , 2019 , 133, 212-220	5.9	23
157	Tissue-specific study across the stem reveals the chemistry and transcriptome dynamics of birch bark. <i>New Phytologist</i> , 2019 , 222, 1816-1831	9.8	30
156	Impact of in situ produced exopolysaccharides on rheology and texture of fava bean protein concentrate. <i>Food Research International</i> , 2019 , 115, 191-199	7	24
155	A family AA5_2 carbohydrate oxidase from <i>Penicillium rubens</i> displays functional overlap across the AA5 family. <i>PLoS ONE</i> , 2019 , 14, e0216546	3.7	6
154	Enzymatic analysis of levan produced by lactic acid bacteria in fermented doughs. <i>Carbohydrate Polymers</i> , 2019 , 208, 285-293	10.3	9
153	Identification and structural analysis of cereal arabinoxylan-derived oligosaccharides by negative ionization HILIC-MS/MS. <i>Food Chemistry</i> , 2019 , 275, 176-185	8.5	17
152	Interactions between fava bean protein and dextrans produced by <i>Leuconostoc pseudomesenteroides</i> DSM 20193 and <i>Weissella cibaria</i> Sj 1b. <i>Carbohydrate Polymers</i> , 2018 , 190, 315-323	10.3	19
151	Constructing arabinofuranosidases for dual arabinoxylan debranching activity. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 41-49	4.9	3
150	A novel acetyl xylan esterase enabling complete deacetylation of substituted xylans. <i>Biotechnology for Biofuels</i> , 2018 , 11, 74	7.8	29

149	In situ synthesis of exopolysaccharides by <i>Leuconostoc</i> spp. and <i>Weissella</i> spp. and their rheological impacts in fava bean flour. <i>International Journal of Food Microbiology</i> , 2017 , 248, 63-71	5.8	41
148	Downregulation of RWA genes in hybrid aspen affects xylan acetylation and wood saccharification. <i>New Phytologist</i> , 2017 , 214, 1491-1505	9.8	30
147	Size-exclusion chromatography of xylan derivatives-the critical evaluation of macromolecular data. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4811-4817	4.4	4
146	Exopolysaccharides Production during the Fermentation of Soybean and Fava Bean Flours by <i>Leuconostoc mesenteroides</i> DSM 20343. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 2805-2815	5.7	27
145	Mesoporous guar galactomannan based biocomposite aerogels through enzymatic crosslinking. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 94, 93-103	8.4	24
144	Laccase/TEMPO oxidation in the production of mechanically strong arabinoxylan and glucomannan aerogels. <i>Carbohydrate Polymers</i> , 2017 , 175, 377-386	10.3	20
143	Functional comparison of versatile carbohydrate esterases from families CE1, CE6 and CE16 on acetyl-4-O-methylglucuronoxylan and acetyl-galactoglucomannan. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 2398-2405	4	12
142	A Novel <i>Colletotrichum graminicola</i> Raffinose Oxidase in the AA5 Family. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	20
141	deacetylation of xylan affects lignin properties and improves saccharification of aspen wood. <i>Biotechnology for Biofuels</i> , 2017 , 10, 98	7.8	31
140	Synchrotron Microtomography Reveals the Fine Three-Dimensional Porosity of Composite Polysaccharide Aerogels. <i>Materials</i> , 2017 , 10,	3.5	3
139	Comparison of two wheat bran extracts in the sheet extrusion process. <i>Industrial Crops and Products</i> , 2016 , 91, 1-5	5.9	2
138	Effects of process parameters on the properties of barley containing snacks enriched with brewer's spent grain. <i>Journal of Food Science and Technology</i> , 2016 , 53, 775-83	3.3	10
137	Optimization of Isomaltooligosaccharide Size Distribution by Acceptor Reaction of <i>Weissella confusa</i> Dextranucrase and Characterization of Novel β -(1 \rightarrow 2)-Branched Isomaltooligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 3276-86	5.7	16
136	Lactose- and cellobiose-derived branched trisaccharides and a sucrose-containing trisaccharide produced by acceptor reactions of <i>Weissella confusa</i> dextranucrase. <i>Food Chemistry</i> , 2016 , 190, 226-236	8.5	25
135	Influence of a family 29 carbohydrate binding module on the activity of galactose oxidase from <i>Fusarium graminearum</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 354-62	4	8
134	Expression of fungal acetyl xylan esterase in <i>Arabidopsis thaliana</i> improves saccharification of stem lignocellulose. <i>Plant Biotechnology Journal</i> , 2016 , 14, 387-97	11.6	51
133	Structure modeling and functional analysis of recombinant dextranucrase from <i>Weissella confusa</i> Cab3 expressed in <i>Lactococcus lactis</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2016 , 46, 822-832	2.4	5
132	Non-Alcoholic Beverages from Fermented Cereals with Increased Oligosaccharide Content. <i>Food Technology and Biotechnology</i> , 2016 , 54, 36-44	2.1	14

131	Rye bran as fermentation matrix boosts in situ dextran production by <i>Weissella confusa</i> compared to wheat bran. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 3499-510	5.7	33
130	Biochemical and Structural Characterization of a Five-domain GH115 β -Glucuronidase from the Marine Bacterium <i>Saccharophagus degradans</i> 2-40T. <i>Journal of Biological Chemistry</i> , 2016 , 291, 14120-14133	5.4	12
129	Action of three GH51 and one GH54 β -arabinofuranosidases on internally and terminally located arabinofuranosyl branches. <i>Journal of Biotechnology</i> , 2016 , 229, 22-30	3.7	21
128	Combination of internal and external plasticization of hydroxypropylated birch xylan tailors the properties of sustainable barrier films. <i>European Polymer Journal</i> , 2015 , 66, 307-318	5.2	27
127	Strengthening effect of nanofibrillated cellulose is dependent on enzymatically oxidized polysaccharide gel matrices. <i>European Polymer Journal</i> , 2015 , 71, 171-184	5.2	16
126	Oxidation with galactose oxidase: Multifunctional enzymatic catalysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 120, 47-59		47
125	The impact of fermentation with exopolysaccharide producing lactic acid bacteria on rheological, chemical and sensory properties of pureed carrots (<i>Daucus carota</i> L.). <i>International Journal of Food Microbiology</i> , 2015 , 207, 109-18	5.8	55
124	Glucuronic acid in <i>Arabidopsis thaliana</i> xylans carries a novel pentose substituent. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 807-12	7.9	3
123	Active fungal GH115 β -glucuronidase produced in <i>Arabidopsis thaliana</i> affects only the UX1-reactive glucuronate decorations on native glucuronoxylans. <i>BMC Biotechnology</i> , 2015 , 15, 56	3.5	10
122	Supercritical water treatment for cello-oligosaccharide production from microcrystalline cellulose. <i>Carbohydrate Research</i> , 2015 , 401, 16-23	2.9	47
121	Characterization of exopolysaccharide and ropy capsular polysaccharide formation by <i>Weissella</i> . <i>Food Microbiology</i> , 2015 , 46, 418-427	6	54
120	Cloning and characterization of a <i>Weissella confusa</i> dextranase and its application in high fibre baking. <i>PLoS ONE</i> , 2015 , 10, e0116418	3.7	28
119	Composite films of nanofibrillated cellulose and O-acetyl galactoglucomannan (GGM) coated with succinic esters of GGM showing potential as barrier material in food packaging. <i>Journal of Materials Science</i> , 2015 , 50, 3189-3199	4.3	34
118	Butylamino-functionalized cellulose nanocrystal films: barrier properties and mechanical strength. <i>RSC Advances</i> , 2015 , 5, 15140-15146	3.7	32
117	Targeted allylation and propargylation of galactose-containing polysaccharides in water. <i>Carbohydrate Polymers</i> , 2014 , 100, 46-54	10.3	24
116	O-acetylation of glucuronoxylan in <i>Arabidopsis thaliana</i> wild type and its change in xylan biosynthesis mutants. <i>Glycobiology</i> , 2014 , 24, 494-506	5.8	36
115	Mutation of a pH-modulating residue in a GH51 β -l-arabinofuranosidase leads to a severe reduction of the secondary hydrolysis of transfuranosylation products. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 626-36	4	18
114	Combined Production of Polymeric Birch Xylan and Paper Pulp by Alkaline Pre-extraction Followed by Alkaline Cooking. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8302-8310	3.9	8

113	Enzymatic oxidation of plant polysaccharides adsorbed to cellulose surfaces. <i>New Biotechnology</i> , 2014 , 31, S7-S8	6.4	
112	A ^1H NMR study of the specificity of β -l-arabinofuranosidases on natural and unnatural substrates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 3106-14	4	13
111	Wood cell wall mimicking for composite films of spruce nanofibrillated cellulose with spruce galactoglucomannan and arabinoglucuronoxylan. <i>Journal of Materials Science</i> , 2014 , 49, 5043-5055	4.3	13
110	Challenges in analysis of high-molar mass dextrans: comparison of HPSEC, AsFIFFF and DOSY NMR spectroscopy. <i>Carbohydrate Polymers</i> , 2014 , 99, 199-207	10.3	28
109	Enzymatic oxidation as a potential new route to produce polysaccharide aerogels. <i>RSC Advances</i> , 2014 , 4, 11884	3.7	32
108	Carboxymethylation of alkali extracted xylan for preparation of bio-based packaging films. <i>Carbohydrate Polymers</i> , 2014 , 100, 89-96	10.3	64
107	Crosslinking with ammonium zirconium carbonate improves the formation and properties of spruce galactoglucomannan films. <i>Journal of Materials Science</i> , 2013 , 48, 4205-4213	4.3	30
106	Prospects of polysaccharide aerogels as modern advanced food materials. <i>Trends in Food Science and Technology</i> , 2013 , 34, 124-136	15.3	110
105	Xylo- and cello-oligosaccharide oxidation by gluco-oligosaccharide oxidase from <i>Sarocladium strictum</i> and variants with reduced substrate inhibition. <i>Biotechnology for Biofuels</i> , 2013 , 6, 148	7.8	33
104	Structure-function relationships in hydrophobins: probing the role of charged side chains. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 5533-8	4.8	18
103	Quantitation of 4-O-methylglucuronic acid from plant cell walls. <i>Carbohydrate Polymers</i> , 2013 , 91, 626-30	10.3	23
102	Specific enzymatic tailoring of wheat arabinoxylan reveals the role of substitution on xylan film properties. <i>Carbohydrate Polymers</i> , 2013 , 92, 733-40	10.3	30
101	Xylanase XYN IV from <i>Trichoderma reesei</i> showing exo- and endo-xylanase activity. <i>FEBS Journal</i> , 2013 , 280, 285-301	5.7	58
100	Structural analysis of linear mixed-linkage glucooligosaccharides by tandem mass spectrometry. <i>Food Chemistry</i> , 2013 , 136, 1496-507	8.5	21
99	Extraction and chemical characterization of rye arabinoxylan and the effect of β -glucan on the mechanical and barrier properties of cast arabinoxylan films. <i>Food Hydrocolloids</i> , 2013 , 30, 206-216	10.6	40
98	Acetylation of woody lignocellulose: significance and regulation. <i>Frontiers in Plant Science</i> , 2013 , 4, 118	6.2	107
97	Reduced Wall Acetylation proteins play vital and distinct roles in cell wall O-acetylation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013 , 163, 1107-17	6.6	60
96	Long-Term Physical Stability of Plasticized Hemicellulose Films. <i>BioResources</i> , 2013 , 9,	1.3	4

95	Arabinoxylan structure affects the reinforcement of films by microfibrillated cellulose. <i>Cellulose</i> , 2012 , 19, 467-480	5.5	45
94	Substituent-specific antibody against glucuronoxylan reveals close association of glucuronic acid and acetyl substituents and distinct labeling patterns in tree species. <i>Planta</i> , 2012 , 236, 739-51	4.7	25
93	Sustainable food-packaging materials based on future biorefinery products: Xylans and mannans. <i>Trends in Food Science and Technology</i> , 2012 , 28, 90-102	15.3	155
92	Effects of process variables and addition of polydextrose and whey protein isolate on the properties of barley extrudates. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 1165-1175	2.8	9
91	Functional and anionic cellulose-interacting polymers by selective chemo-enzymatic carboxylation of galactose-containing polysaccharides. <i>Biomacromolecules</i> , 2012 , 13, 2418-28	6.9	42
90	Films from Glyoxal-Crosslinked Spruce Galactoglucomannans Plasticized with Sorbitol. <i>International Journal of Polymer Science</i> , 2012 , 2012, 1-8	2.4	31
89	Thermally stable hydrogels from enzymatically oxidized polysaccharides. <i>Food Hydrocolloids</i> , 2012 , 26, 212-220	10.6	21
88	Molecular characterization and solution properties of enzymatically tailored arabinoxylans. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 963-9	7.9	24
87	X-ray characterization of starch-based solid foams. <i>Journal of Materials Science</i> , 2011 , 46, 3470-3479	4.3	7
86	Composite films from spruce galactoglucomannans with microfibrillated spruce wood cellulose. <i>Cellulose</i> , 2011 , 18, 713-726	5.5	53
85	Behavior of polysaccharide assemblies in field-flow fractionation and size-exclusion chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 1467-72	4.4	15
84	Feasibility of using atmospheric pressure matrix-assisted laser desorption/ionization with ion trap mass spectrometry in the analysis of acetylated xylooligosaccharides derived from hardwoods and <i>Arabidopsis thaliana</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2995-3009	4.4	25
83	The β -glucuronidase Agu1 from <i>Schizophyllum commune</i> is a member of a novel glycoside hydrolase family (GH115). <i>Applied Microbiology and Biotechnology</i> , 2011 , 90, 1323-32	5.7	33
82	Thermostable recombinant xylanases from <i>Nonomuraea flexuosa</i> and <i>Thermoascus aurantiacus</i> show distinct properties in the hydrolysis of xylans and pretreated wheat straw. <i>Biotechnology for Biofuels</i> , 2011 , 4, 12	7.8	71
81	The role of acetyl xylan esterase in the solubilization of xylan and enzymatic hydrolysis of wheat straw and giant reed. <i>Biotechnology for Biofuels</i> , 2011 , 4, 60	7.8	104
80	Bacterial nanocellulose-reinforced arabinoxylan films. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 1030-1039	2.9	60
79	Structural analysis of enzyme-resistant isomaltooligosaccharides reveals the elongation of β -(1 \rightarrow 3)-linked branches in <i>Weissella confusa</i> dextran. <i>Biomacromolecules</i> , 2011 , 12, 409-18	6.9	44
78	Wheat bran arabinoxylans: Chemical structure and film properties of three isolated fractions. <i>Carbohydrate Polymers</i> , 2011 , 86, 852-859	10.3	76

77	The effect of galactose side units and mannan chain length on the macromolecular characteristics of galactomannans. <i>Carbohydrate Polymers</i> , 2011 , 86, 1230-1235	10.3	15
76	Interactions of structurally different hemicelluloses with nanofibrillar cellulose. <i>Carbohydrate Polymers</i> , 2011 , 86, 1281-1290	10.3	94
75	Action of xylan deacetylating enzymes on monoacetyl derivatives of 4-nitrophenyl glycosides of β -D-xylopyranose and β -L-arabinofuranose. <i>Journal of Biotechnology</i> , 2011 , 151, 137-42	3.7	47
74	Autohydrolysis of birch wood. <i>Holzforschung</i> , 2011 , 65,	2	41
73	Synthesis and antioxidant activity of hydroxycinnamic acid xylan esters. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 6937-43	5.7	35
72	Comparison of microencapsulation properties of spruce galactoglucomannans and arabic gum using a model hydrophobic core compound. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 981-9	5.7	11
71	Oxidation of polysaccharides by galactose oxidase. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 262-71	5.7	77
70	Glucomannan composite films with cellulose nanowhiskers. <i>Cellulose</i> , 2010 , 17, 69-81	5.5	54
69	Spruce galactoglucomannan films show promising barrier properties. <i>Carbohydrate Polymers</i> , 2010 , 79, 1107-1112	10.3	74
68	Metal-mediated allylation of enzymatically oxidized methyl β -D-galactopyranoside. <i>Carbohydrate Research</i> , 2010 , 345, 2610-5	2.9	13
67	In situ production and analysis of Weissella confusa dextran in wheat sourdough. <i>Food Microbiology</i> , 2009 , 26, 734-43	6	172
66	Films from oat spelt arabinoxylan plasticized with glycerol and sorbitol. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 457-466	2.9	94
65	Oxidation of methyl alpha-D-galactopyranoside by galactose oxidase: products formed and optimization of reaction conditions for production of aldehyde. <i>Carbohydrate Research</i> , 2009 , 344, 14-20	2.9	58
64	Presence of 1 \rightarrow 3-linked 2-O-beta-d-xylopyranosyl-alpha-l-arabinofuranosyl side chains in cereal arabinoxylans. <i>Carbohydrate Research</i> , 2009 , 344, 2480-8	2.9	39
63	Comprehensive multidetector HPSEC study on solution properties of cereal arabinoxylans in aqueous and DMSO solutions. <i>Biomacromolecules</i> , 2009 , 10, 1962-9	6.9	68
62	Mannans as stabilizers of oil-in-water beverage emulsions. <i>LWT - Food Science and Technology</i> , 2009 , 42, 849-855	5.4	60
61	In vitro fermentation of arabinoxylan-derived carbohydrates by bifidobacteria and mixed fecal microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 8598-606	5.7	109
60	Antioxidant potential of hydroxycinnamic acid glycoside esters. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 4797-805	5.7	57

59	Hydrolysis of amorphous and crystalline cellulose by heterologously produced cellulases of <i>Melanocarpus albomyces</i> . <i>Journal of Biotechnology</i> , 2008 , 136, 140-7	3.7	60
58	Material properties of films from enzymatically tailored arabinoxylans. <i>Biomacromolecules</i> , 2008 , 9, 2042-7	2.5	105
57	Structural comparison of arabinoxylans from two barley side-stream fractions. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 5069-77	5.7	26
56	Crystallization and shear modulus of a forming biopolymer film determined by in situ x-ray diffraction and ultrasound reflection methods. <i>Journal of Applied Physics</i> , 2008 , 104, 023513	2.5	6
55	Spruce-derived mannans – A potential raw material for hydrocolloids and novel advanced natural materials. <i>Carbohydrate Polymers</i> , 2008 , 72, 197-210	10.3	204
54	New enzyme-based method for analysis of water-soluble wheat arabinoxylans. <i>Carbohydrate Research</i> , 2008 , 343, 521-9	2.9	31
53	NMR spectroscopic analysis of exopolysaccharides produced by <i>Leuconostoc citreum</i> and <i>Weissella confusa</i> . <i>Carbohydrate Research</i> , 2008 , 343, 1446-55	2.9	144
52	Step-wise enzymatic preparation and structural characterization of singly and doubly substituted arabinoxylo-oligosaccharides with non-reducing end terminal branches. <i>Carbohydrate Research</i> , 2008 , 343, 3049-57	2.9	45
51	Effect of polysaccharide structure on mechanical and thermal properties of galactomannan-based films. <i>Biomacromolecules</i> , 2007 , 8, 3198-205	6.9	100
50	Substrate and positional specificity of feruloyl esterases for monoferuloylated and monoacetylated 4-nitrophenyl glycosides. <i>Journal of Biotechnology</i> , 2007 , 127, 235-43	3.7	17
49	Interaction and comparison of a class I hydrophobin from <i>Schizophyllum commune</i> and class II hydrophobins from <i>Trichoderma reesei</i> . <i>Biomacromolecules</i> , 2006 , 7, 1295-301	6.9	121
48	Isolation of cellotriosyl blocks from barley β -glucan with endo-1,4- β -glucanase from <i>Trichoderma reesei</i> . <i>Carbohydrate Polymers</i> , 2006 , 64, 233-238	10.3	20
47	Purification and characterisation of a novel steryl esterase from <i>Melanocarpus albomyces</i> . <i>Enzyme and Microbial Technology</i> , 2006 , 39, 265-273	3.8	25
46	Direct analysis of lignin and lignin-like components from softwood kraft pulp by Py-GC/MS techniques. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005 , 74, 123-128	6	75
45	Evaluation of wet oxidation pretreatment for enzymatic hydrolysis of softwood. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 117, 1-17	3.2	122
44	Crystallization and preliminary X-ray analysis of a novel <i>Trichoderma reesei</i> xylanase IV belonging to glycoside hydrolase family 5. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004 , 60, 542-4		13
43	Purification, crystallization and preliminary X-ray diffraction analysis of the <i>Trichoderma reesei</i> hydrophobin HFBI. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004 , 60, 1903-5		7
42	Adsorption of <i>Trichoderma reesei</i> CBH I and EG II and their catalytic domains on steam pretreated softwood and isolated lignin. <i>Journal of Biotechnology</i> , 2004 , 107, 65-72	3.7	391

41	Comparison of Catalytic Properties of Acetyl Xylan Esterases from Three Carbohydrate Esterase Families. <i>ACS Symposium Series</i> , 2003 , 211-229	0.4	15
40	Isolation and characterization of O-acetylated glucomannans from aspen and birch wood. <i>Carbohydrate Research</i> , 2003 , 338, 525-34	2.9	111
39	Purification and characterization of <i>Aspergillus</i> β -galactanases acting on β 1,4- and β 1,3/6-linked arabinogalactans. <i>Carbohydrate Polymers</i> , 2003 , 53, 155-168	10.3	24
38	Regioselective deacetylation of cellulose acetates by acetyl xylan esterases of different CE-families. <i>Journal of Biotechnology</i> , 2003 , 105, 95-104	3.7	37
37	Enzymatic Tailoring of Hemicelluloses. <i>ACS Symposium Series</i> , 2003 , 292-311	0.4	6
36	Specific Antibodies for Immunochemical Detection of Wood-Derived Hemicelluloses. <i>ACS Symposium Series</i> , 2003 , 140-156	0.4	
35	In vitro fermentation of cereal dietary fibre carbohydrates by probiotic and intestinal bacteria. <i>Journal of the Science of Food and Agriculture</i> , 2002 , 82, 781-789	4.3	243
34	Characterization of O-acetyl-(4-O-methylglucurono)xylan isolated from birch and beech. <i>Carbohydrate Research</i> , 2002 , 337, 373-7	2.9	193
33	Sorption of dissolved galactoglucomannans and galactomannans to bleached kraft pulp. <i>Cellulose</i> , 2002 , 9, 251-261	5.5	47
32	Glycosylation of acetylxylan esterase from <i>Trichoderma reesei</i> . <i>Glycobiology</i> , 2002 , 12, 291-8	5.8	22
31	Enzymatic properties of the low molecular mass endoglucanases Cel12A (EG III) and Cel45A (EG V) of <i>Trichoderma reesei</i> . <i>Journal of Biotechnology</i> , 2002 , 99, 63-78	3.7	122
30	Homologous expression and characterization of Cel61A (EG IV) of <i>Trichoderma reesei</i> . <i>FEBS Journal</i> , 2001 , 268, 6498-507		102
29	Endoxylanase II from <i>Trichoderma reesei</i> has several isoforms with different isoelectric points. <i>Biotechnology and Applied Biochemistry</i> , 2000 , 31, 61-8	2.8	25
28	Three-dimensional structure of the catalytic core of acetylxylan esterase from <i>Trichoderma reesei</i> : insights into the deacetylation mechanism. <i>Journal of Structural Biology</i> , 2000 , 132, 180-90	3.4	60
27	An alpha-glucuronidase of <i>Schizophyllum commune</i> acting on polymeric xylan. <i>Journal of Biotechnology</i> , 2000 , 78, 149-61	3.7	125
26	Adsorption and activity of <i>Trichoderma reesei</i> cellobiohydrolase I, endoglucanase II, and the corresponding core proteins on steam pretreated willow. <i>Applied Biochemistry and Biotechnology</i> , 1999 , 81, 81-90	3.2	27
25	Activity of an <i>Aspergillus terreus</i> alpha-arabinofuranosidase on phenolic-substituted oligosaccharides. <i>Journal of Biotechnology</i> , 1999 , 67, 41-8	3.7	10
24	Hydrolytic properties of a beta-mannosidase purified from <i>Aspergillus niger</i> . <i>Journal of Biotechnology</i> , 1999 , 75, 281-9	3.7	45

23	Dynamic interaction of <i>Trichoderma reesei</i> cellobiohydrolases Cel6A and Cel7A and cellulose at equilibrium and during hydrolysis. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 5229-33	4.8	94
22	Substrate specificities of <i>Penicillium simplicissimum</i> alpha-galactosidases. <i>Enzyme and Microbial Technology</i> , 1998 , 22, 192-8	3.8	40
21	Substrate specificities of <i>Aspergillus terreus</i> β -arabinofuranosidases. <i>Carbohydrate Polymers</i> , 1998 , 37, 131-141	10.3	14
20	Crystallization and preliminary X-ray diffraction studies of the catalytic core of acetyl xylan esterase from <i>Trichoderma reesei</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998 , 54, 430-2		4
19	Action of <i>Trichoderma reesei</i> and <i>Aspergillus oryzae</i> esterases in the deacetylation of hemicelluloses. <i>Biotechnology and Applied Biochemistry</i> , 1998 , 27, 19-24	2.8	38
18	Action of <i>Trichoderma reesei</i> mannanase on galactoglucomannan in pine kraft pulp. <i>Journal of Biotechnology</i> , 1997 , 57, 191-204	3.7	94
17	cDNA cloning of a <i>Trichoderma reesei</i> cellulase and demonstration of endoglucanase activity by expression in yeast. <i>FEBS Journal</i> , 1997 , 249, 584-91		138
16	Effect of side groups on the action of beta-xylosidase from <i>Trichoderma reesei</i> against substituted xylo-oligosaccharides. <i>FEBS Letters</i> , 1996 , 399, 303-6	3.8	32
15	Three alpha-galactosidase genes of <i>Trichoderma reesei</i> cloned by expression in yeast. <i>FEBS Journal</i> , 1996 , 240, 104-11		72
14	Acetyl xylan esterase from <i>Trichoderma reesei</i> contains an active-site serine residue and a cellulose-binding domain. <i>FEBS Journal</i> , 1996 , 237, 553-60		76
13	Identification of the acidic degradation products of hexenuronic acid and characterisation of hexenuronic acid-substituted xylooligosaccharides by NMR spectroscopy. <i>Carbohydrate Research</i> , 1996 , 280, 197-208	2.9	55
12	4-O-methyl-beta-L-idopyranosyluronic acid linked to xylan from kraft pulp: isolation procedure and characterisation by NMR spectroscopy. <i>Carbohydrate Research</i> , 1996 , 293, 1-13	2.9	15
11	Binding of hemicellulases on isolated polysaccharide substrates. <i>Enzyme and Microbial Technology</i> , 1995 , 17, 499-505	3.8	47
10	An acetylglucomannan esterase of <i>Aspergillus oryzae</i> ; purification, characterization and role in the hydrolysis of O-acetyl-galactoglucomannan. <i>Journal of Biotechnology</i> , 1995 , 42, 197-206	3.7	40
9	Characterisation of 4-deoxy-beta-L-threo-hex-4-enopyranosyluronic acid attached to xylan in pine kraft pulp and pulping liquor by ¹ H and ¹³ C NMR spectroscopy. <i>Carbohydrate Research</i> , 1995 , 272, 55-71 ^{2.9}		121
8	Possibility of Increasing Mechanical Pulp Yield by Enzymatic Treatment. <i>Holzforschung</i> , 1994 , 48, 436-440		14
7	Application of xylanases in the pulp and paper industry. <i>Bioresource Technology</i> , 1994 , 50, 65-72	11	63
6	Stereochemistry of the hydrolysis of glycosidic linkage by endo-beta-1,4-xylanases of <i>Trichoderma reesei</i> . <i>FEBS Letters</i> , 1994 , 356, 137-40	3.8	18

5	Purification and characterization of two α -mannanases from <i>Trichoderma reesei</i> . <i>Journal of Biotechnology</i> , 1993 , 29, 229-242	3.7	180
4	Enzymatic deacetylation of galactoglucomannans. <i>Applied Microbiology and Biotechnology</i> , 1993 , 39, 159	5.7	32
3	Two major xylanases of <i>Trichoderma reesei</i> . <i>Enzyme and Microbial Technology</i> , 1992 , 14, 566-574	3.8	206
2	Products of hydrolysis of beechwood acetyl-4-O-methylglucuronoxylan by a xylanase and an acetyl xylan esterase. <i>Enzyme and Microbial Technology</i> , 1991 , 13, 483-486	3.8	41
1	Production, purification and characterization of an esterase liberating phenolic acids from lignocellulosics. <i>Journal of Biotechnology</i> , 1991 , 18, 69-83	3.7	127