

# Peter Biely

## List of Publications by Year in descending order

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193  
papers

11,290  
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34016

52  
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34900

98  
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194  
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194  
docs citations

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times ranked

5949  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose- and xylan-degrading yeasts: Enzymes, applications and biotechnological potential. <i>Biotechnology Advances</i> , 2022, 59, 107981.	6.0	28
2	A novel bacterial GH30 xylobiohydrolase from <i>Hungateiclostridium clariflavum</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 185-195.	1.7	11
3	Xylanases of glycoside hydrolase family 30 – An overview. <i>Biotechnology Advances</i> , 2021, 47, 107704.	6.0	29
4	Catalytic Diversity of GH30 Xylanases. <i>Molecules</i> , 2021, 26, 4528.	1.7	1
5	Non-Specific GH30_7 Endo- $\beta$ -1,4-xylanase from <i>Talaromyces leycettanus</i> . <i>Molecules</i> , 2021, 26, 4614.	1.7	7
6	Positional specificity of <i>Flavobacterium johnsoniae</i> acetylxylan esterase and acetyl group migration on xylan main chain. <i>Carbohydrate Polymers</i> , 2020, 232, 115783.	5.1	14
7	A novel GH30 xylobiohydrolase from <i>Acremonium alcalophilum</i> releasing xylobiose from the non-reducing end. <i>Enzyme and Microbial Technology</i> , 2020, 134, 109484.	1.6	21
8	Structural characterization of hemicellulose released from corn cob in continuous flow type hydrothermal reactor. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 222-230.	1.1	37
9	Characterization of Acetylxylan Esterase from White-Rot Fungus <i>Irpelex lacteus</i> . <i>Journal of Applied Glycoscience</i> (1999), 2019, 66, 131-137.	0.3	3
10	Xylan from bambara and cowpea biomass and their structural elucidation. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 987-993.	3.6	20
11	Glucuronoxylan 3-O-acetylated on uronic acid-substituted xylopyranosyl residues and its hydrolysis by GH10, GH11 and GH30 endoxylanases. <i>Carbohydrate Polymers</i> , 2019, 205, 217-224.	5.1	17
12	Glucuronoxylan recognition by GH 30 xylanases: A study with enzyme and substrate variants. <i>Archives of Biochemistry and Biophysics</i> , 2018, 643, 42-49.	1.4	11
13	Action of different types of endoxylanases on eucalyptus xylan in situ. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1725-1736.	1.7	19
14	Structure of peanut shell xylan and its conversion to oligosaccharides. <i>Process Biochemistry</i> , 2018, 72, 124-129.	1.8	24
15	Glucuronoyl esterases: diversity, properties and biotechnological potential. A review. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 1121-1136.	5.1	20
16	$\beta$ -Glucuronidase-coupled assays of glucuronoyl esterases. <i>Analytical Biochemistry</i> , 2016, 510, 114-119.	1.1	8
17	Microbial Glucuronoyl Esterases: 10 Years after Discovery. <i>Applied and Environmental Microbiology</i> , 2016, 82, 7014-7018.	1.4	18
18	Phylogeny, classification and metagenomic bioprospecting of microbial acetyl xylan esterases. <i>Enzyme and Microbial Technology</i> , 2016, 93-94, 79-91.	1.6	54

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19	Comparison of fungal carbohydrate esterases of family CE16 on artificial and natural substrates. <i>Journal of Biotechnology</i> , 2016, 233, 228-236.	1.9	21
20	Towards enzymatic breakdown of complex plant xylan structures: State of the art. <i>Biotechnology Advances</i> , 2016, 34, 1260-1274.	6.0	215
21	The Glycoside Hydrolase Family 8 Reducing-End Xylose-Releasing Exo-oligoxyranase Rex8A from <i>Paenibacillus barcinonensis</i> BP-23 Is Active on Branched Xylooligosaccharides. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5116-5124.	1.4	27
22	Comparison of catalytic properties of multiple $\beta$ -glucosidases of <i>Trichoderma reesei</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4959-4968.	1.7	40
23	[Review: Symposium on Applied Glycoscience] Function of $\beta$ -Glucosidases in Cellulase Induction of <i>Trichoderma reesei</i> . <i>Bulletin of Applied Glycoscience</i> , 2016, 6, 96-102.	0.0	0
24	Glucuronoyl esterases are active on the polymeric substrate methyl esterified glucuronoxylan. <i>FEBS Letters</i> , 2015, 589, 2334-2339.	1.3	27
25	The role of the glucuronoxylan carboxyl groups in the action of endoxyranases of three glycoside hydrolase families: A study with two substrate mutants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2246-2255.	1.1	20
26	Redistribution of acetyl groups on the non-reducing end xylopyranosyl residues and their removal by xylan deacetylases. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3865-3873.	1.7	16
27	A unique CE16 acetyl esterase from <i>Podospora anserina</i> active on polymeric xylan. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10515-10526.	1.7	16
28	Recent Progress in Understanding the Mode of Action of Acetylxylan Esterases. <i>Journal of Applied Glycoscience</i> (1999), 2014, 61, 35-44.	0.3	21
29	Enzymatic acylation of flavonoid glycosides by a carbohydrate esterase of family 16. <i>Biotechnology Letters</i> , 2014, 36, 2249-2255.	1.1	14
30	<i>Trichoderma reesei</i> XYN <sub>VI</sub> – a novel appendage-dependent eukaryotic glucuronoxylan hydrolase. <i>FEBS Journal</i> , 2014, 281, 3894-3903.	2.2	46
31	<i>Trichoderma reesei</i> CE16 acetyl esterase and its role in enzymatic degradation of acetylated hemicellulose. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 516-525.	1.1	21
32	Mode of action of acetylxylan esterases on acetyl glucuronoxylan and acetylated oligosaccharides generated by a GH10 endoxyranase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 5075-5086.	1.1	51
33	Positional specificity of acetylxylan esterases on natural polysaccharide: An NMR study. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3365-3372.	1.1	38
34	Xylanase XYN <sub>IV</sub> from <i>Trichoderma reesei</i> showing exo- and endo-xylanase activity. <i>FEBS Journal</i> , 2013, 280, 285-301.	2.2	67
35	S3-5 New sight on catalytic properties of acetylxylan esterases (Overseas Invited Presentation). <i>Bulletin of Applied Glycoscience</i> , 2013, 3, B53.	0.0	0
36	Structural and Biochemical Characterization of Glycoside Hydrolase Family 79 $\beta$ -Glucuronidase from <i>Acidobacterium capsulatum</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 14069-14077.	1.6	39

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37	Microbial carbohydrate esterases deacetylating plant polysaccharides. <i>Biotechnology Advances</i> , 2012, 30, 1575-1588.	6.0	232
38	Functional Cloning and Expression of the <i>Schizophyllum commune</i> Glucuronoyl Esterase Gene and Characterization of the Recombinant Enzyme. <i>Biotechnology Research International</i> , 2012, 2012, 1-7.	1.4	19
39	Functional and structural characterization of a thermostable acetyl esterase from <i>Thermotoga maritima</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 1545-1559.	1.5	46
40	Structural basis for substrate recognition by <i>Erwinia chrysanthemi</i> GH30 glucuronoxylanase. <i>FEBS Journal</i> , 2011, 278, 2105-2116.	2.2	71
41	Crystallization and preliminary crystallographic analysis of the glycoside hydrolase family 115 $\beta$ -glucuronidase from <i>Streptomyces pristinaespiralis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 68-71.	0.7	11
42	Structure of the catalytic domain of glucuronoyl esterase Cip2 from <i>Hypocrea jecorina</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 2588-2592.	1.5	50
43	Action of xylan deacetylating enzymes on monoacetyl derivatives of 4-nitrophenyl glycosides of $\beta$ -D-xylopyranose and $\beta$ -L-arabinofuranose. <i>Journal of Biotechnology</i> , 2011, 151, 137-142.	1.9	52
44	Cloning and heterologous expression of the extracellular alpha-galactosidase from <i>Aspergillus fumigatus</i> in <i>Aspergillus sojae</i> under the control of <i>gpdA</i> promoter. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 64, 146-149.	1.8	10
45	Carbohydrate esterases of family 2 are $\alpha$ -D-glucuronoyl deacetylases. <i>FEBS Letters</i> , 2010, 584, 543-548.	1.3	33
46	Inverting character of family GH115 $\beta$ -glucuronidases. <i>FEBS Letters</i> , 2010, 584, 4063-4068.	1.3	23
47	Preparation of regioselectively feruloylated p-nitrophenyl $\beta$ -L-arabinofuranosides and $\beta$ -D-xylopyranosides as convenient substrates for study of feruloyl esterase specificity. <i>Carbohydrate Research</i> , 2010, 345, 1094-1098.	1.1	12
48	Fungal Glucuronoyl Esterases and Substrate Uronic Acid Recognition. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2483-2487.	0.6	38
49	A novel family of hemicellulolytic $\beta$ -glucuronidase. <i>FEBS Letters</i> , 2009, 583, 1457-1462.	1.3	68
50	Cloning, expression and characterization of endo- $\alpha$ -1,4-mannanase from <i>Aspergillus fumigatus</i> in <i>Aspergillus sojae</i> and <i>Pichia pastoris</i> . <i>Biotechnology Progress</i> , 2009, 25, 271-276.	1.3	45
51	Two glucuronoyl esterases of <i>Phanerochaete chrysosporium</i> . <i>Archives of Microbiology</i> , 2009, 191, 133-140.	1.0	51
52	Purification, characterization and mass spectrometric sequencing of a thermophilic glucuronoyl esterase from <i>Sporotrichum thermophile</i> . <i>FEMS Microbiology Letters</i> , 2009, 296, 178-184.	0.7	47
53	An alternative approach for the synthesis of fluorogenic substrates of endo- $\beta$ -(1 $\rightarrow$ 4)-xylanases and some applications. <i>Carbohydrate Research</i> , 2008, 343, 541-548.	1.1	14
54	Crystallization and preliminary X-ray diffraction analysis of the glucuronoyl esterase catalytic domain from <i>Hypocrea jecorina</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 255-257.	0.7	2

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55	Simultaneous production of endo- $\beta$ -1,4-xylanase and branched xylooligosaccharides by <i>Thermomyces lanuginosus</i> . <i>Journal of Biotechnology</i> , 2008, 137, 34-43.	1.9	29
56	Endo- $\beta$ -1,4-xylanase inhibitors in leaves and roots of germinated maize. <i>Journal of Cereal Science</i> , 2008, 48, 27-32.	1.8	12
57	Antioxidant Potential of Hydroxycinnamic Acid Glycoside Esters. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 4797-4805.	2.4	66
58	Novel Family of Carbohydrate Esterases, Based on Identification of the <i>Hypocrea jecorina</i> Acetyl Esterase Gene. <i>Applied and Environmental Microbiology</i> , 2008, 74, 7482-7489.	1.4	60
59	The vicinal hydroxyl group is prerequisite for metal activation of <i>Clostridium thermocellum</i> acetylxylan esterase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 565-570.	1.1	17
60	Identification of genes encoding microbial glucuronoyl esterases. <i>FEBS Letters</i> , 2007, 581, 4029-4035.	1.3	83
61	Substrate and positional specificity of feruloyl esterases for monoferuloylated and monoacetylated 4-nitrophenyl glycosides. <i>Journal of Biotechnology</i> , 2007, 127, 235-243.	1.9	26
62	A simple enzymatic synthesis of 4-nitrophenyl $\beta$ -1,4-d-xylobioside, a chromogenic substrate for assay and differentiation of endoxylanases. <i>Journal of Biotechnology</i> , 2007, 128, 576-586.	1.9	7
63	Purification and mechanistic characterisation of two polygalacturonases from <i>Sclerotium rolfsii</i> . <i>Enzyme and Microbial Technology</i> , 2007, 40, 1739-1747.	1.6	38
64	Mode of action of glycoside hydrolase family 5 glucuronoxylan xylanohydrolase from <i>Erwinia chrysanthemi</i> . <i>FEBS Journal</i> , 2007, 274, 1666-1677.	2.2	81
65	Synthetic esters recognized by glucuronoyl esterase from <i>Schizophyllum commune</i> . <i>Archives of Microbiology</i> , 2007, 188, 185-189.	1.0	36
66	Mode of action of endo- $\beta$ -1,4-xylanases of families 10 and 11 on acidic xylooligosaccharides. <i>Journal of Biotechnology</i> , 2006, 121, 338-345.	1.9	79
67	Glucuronoyl esterase - Novel carbohydrate esterase produced by <i>Schizophyllum commune</i> . <i>FEBS Letters</i> , 2006, 580, 4597-4601.	1.3	88
68	Hydrolysis of (1,4)- $\beta$ -D-mannans in barley ( <i>Hordeum vulgare</i> L.) is mediated by the concerted action of (1,4)- $\beta$ -D-mannan endohydrolase and $\beta$ -D-mannosidase. <i>Biochemical Journal</i> , 2006, 399, 77-90.	1.7	46
69	The acetates of p-nitrophenyl $\beta$ -L-arabinofuranoside - Regioselective preparation by action of lipases. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 1805-1810.	1.4	13
70	Dictionary of Carbohydrates. Edited by P. M. Collins. Second Edition. <i>Chemical Papers</i> , 2006, 60, .	1.0	1
71	Recent progress in the assays of xylanolytic enzymes. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 1636-1647.	1.7	12
72	Structure and Activity of Two Metal Ion-dependent Acetylxylan Esterases Involved in Plant Cell Wall Degradation Reveals a Close Similarity to Peptidoglycan Deacetylases. <i>Journal of Biological Chemistry</i> , 2006, 281, 10968-10975.	1.6	99

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73	Purification and characterization of two minor endo- $\beta$ -1,4-xylanases of <i>Schizophyllum commune</i> . <i>Enzyme and Microbial Technology</i> , 2005, 36, 903-910.	1.6	35
74	Unique mode of acetylation of oligosaccharides in aqueous two-phase system by <i>Trichoderma reesei</i> acetyl esterase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005, 37, 72-78.	1.8	23
75	Glycosylation of internal sugar residues of oligosaccharides catalyzed by $\beta$ -galactosidase from. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1726, 206-216.	1.1	19
76	Microbial Hemicellulolytic Carbohydrate Esterases. , 2005, , 21-1-21-24.		4
77	Lipase-catalysed preparation of acetates of 4-nitrophenyl $\beta$ -D-xylopyranoside and their use in kinetic studies of acetyl migration. <i>Carbohydrate Research</i> , 2004, 339, 1353-1360.	1.1	64
78	Purification and characterization of a type B feruloyl esterase (StFAE-A) from the thermophilic fungus <i>Sporotrichum thermophile</i> . <i>Applied Microbiology and Biotechnology</i> , 2004, 63, 686-690.	1.7	67
79	Enzyme-coupled assay of acetylxylan esterases on monoacetylated 4-nitrophenyl $\beta$ -D-xylopyranosides. <i>Analytical Biochemistry</i> , 2004, 332, 109-115.	1.1	25
80	An efficient chemoenzymatic route to methyl 4-O-benzyl-2,3-anhydro- $\beta$ -D-xylopyranoside from methyl $\beta$ -D-xylopyranoside. <i>Carbohydrate Research</i> , 2004, 339, 425-428.	1.1	4
81	Deoxy and deoxyfluoro analogues of acetylated methyl $\beta$ -D-xylopyranoside "substrates for acetylxylan esterases. <i>Carbohydrate Research</i> , 2004, 339, 2101-2110.	1.1	19
82	Purification and characterization of two forms of endo- $\beta$ -1,4-mannanase from a thermotolerant fungus, IMI 385708 (formerly IMI 158749). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2004, 1674, 239-250.	1.1	88
83	Diversity of Microbial Endo- $\beta$ -1,4-Xylanases. <i>ACS Symposium Series</i> , 2003, , 361-380.	0.5	5
84	Comparison of Catalytic Properties of Acetyl Xylan Esterases from Three Carbohydrate Esterase Families. <i>ACS Symposium Series</i> , 2003, , 211-229.	0.5	23
85	Biochemical and catalytic properties of an endoxylanase purified from the culture filtrate of <i>Sporotrichum thermophile</i> . <i>Carbohydrate Research</i> , 2003, 338, 1881-1890.	1.1	54
86	Two efficient ways to 2-O- and 5-O-feruloylated 4-nitrophenyl $\beta$ -L-arabinofuranosides as substrates for differentiation of feruloyl esterases. <i>Tetrahedron Letters</i> , 2003, 44, 1671-1673.	0.7	25
87	Purification and characterization of a <i>Fusarium oxysporum</i> feruloyl esterase (FoFAE-I) catalysing transesterification of phenolic acid esters. <i>Enzyme and Microbial Technology</i> , 2003, 33, 729-737.	1.6	68
88	Purification and characterization of a feruloyl esterase from <i>Fusarium oxysporum</i> catalyzing esterification of phenolic acids in ternary water "organic solvent mixtures. <i>Journal of Biotechnology</i> , 2003, 102, 33-44.	1.9	110
89	Regioselective deacetylation of cellulose acetates by acetyl xylan esterases of different CE-families. <i>Journal of Biotechnology</i> , 2003, 105, 95-104.	1.9	43
90	Mode of action of acetylxylan esterase from <i>Streptomyces lividans</i> : a study with deoxy and deoxy-fluoro analogues of acetylated methyl $\beta$ -D-xylopyranoside. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1622, 82-88.	1.1	26

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91	Transacetylations to carbohydrates catalyzed by acetylxy lan esterase in the presence of organic solvent. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1623, 62-71.	1.1	15
92	Purification and Properties of a Feruloyl Esterase Involved in Lignocellulose Degradation by <i>Aureobasidium pullulans</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 5622-5626.	1.4	61
93	The $\beta$ -Glucuronidase, GlcA67A, of <i>Cellvibrio japonicus</i> Utilizes the Carboxylate and Methyl Groups of Aldobiouronic Acid as Important Substrate Recognition Determinants. <i>Journal of Biological Chemistry</i> , 2003, 278, 20286-20292.	1.6	32
94	Aryl-Glycosidase Activities in Germinating Maize. <i>Cereal Chemistry</i> , 2003, 80, 144-147.	1.1	8
95	Differentiation of feruloyl esterases on synthetic substrates in $\beta$ -arabinofuranosidase-coupled and ultraviolet-spectrophotometric assays. <i>Analytical Biochemistry</i> , 2002, 311, 68-75.	1.1	27
96	Xylanolytic Enzymes. , 2002, , .		3
97	A common access to 2- and 3-substituted methyl $\beta$ -D-xylopyranosides. <i>Tetrahedron Letters</i> , 2001, 42, 9065-9067.	0.7	15
98	Enzymic $\beta$ -galactosylation of a cyclic glucotetrasaccharide derived from alternan. <i>Carbohydrate Research</i> , 2001, 332, 299-303.	1.1	17
99	Catalytic properties of the endoxylanase I from <i>Thermoascus aurantiacus</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 491-501.	1.8	25
100	A Chromogenic Substrate for a $\beta$ -Xylosidase-Coupled Assay of $\beta$ -Glucuronidase. <i>Analytical Biochemistry</i> , 2000, 286, 289-294.	1.1	42
101	X-ray structure determination and modeling of the cyclic tetrasaccharide $\beta$ -D-xylopyranoside. <i>Carbohydrate Research</i> , 2000, 329, 655-665.	1.1	43
102	Inverting character of $\beta$ -glucuronidase A from <i>Aspergillus tubingensis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1474, 360-364.	1.1	44
103	Purification and characterization of $\beta$ -galactosidase from a thermophilic fungus <i>Thermomyces lanuginosus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1524, 27-37.	1.1	66
104	Relatedness of <i>Thermomyces lanuginosus</i> strains producing a thermostable xylanase. <i>Journal of Biotechnology</i> , 2000, 81, 119-128.	1.9	43
105	Effects of purified endo- $\beta$ -1,4-xylanases of family 10 and 11 and acetyl xylan esterases on eucalypt sulfite dissolving pulp. <i>Journal of Biotechnology</i> , 2000, 83, 231-244.	1.9	34
106	Production of xylanases, mannanases, and pectinases by the thermophilic fungus <i>Thermomyces lanuginosus</i> . <i>Enzyme and Microbial Technology</i> , 1999, 24, 355-361.	1.6	86
107	Biochemical and catalytic properties of an endoxylanase purified from the culture filtrate of <i>Thermomyces lanuginosus</i> ATCC 46882. <i>Carbohydrate Research</i> , 1998, 306, 445-455.	1.1	77
108	Disaccharides permeases: constituents of xylanolytic and mannanolytic systems of <i>Aureobasidium pullulans</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998, 1425, 560-566.	1.1	12

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109	Substrate Binding and Catalytic Mechanism of a Barley $\beta$ -D-Glucosidase/(1,4)- $\beta$ -D-Glucan Exohydrolase. <i>Journal of Biological Chemistry</i> , 1998, 273, 11134-11143.	1.6	86
110	The $\beta$ -D-xylosidase of <i>Trichoderma reesei</i> is a multifunctional $\beta$ -D-xylan xylohydrolase. <i>Biochemical Journal</i> , 1997, 321, 375-381.	1.7	101
111	Action of acetylxyylan esterase from <i>Trichoderma reesei</i> on acetylated methyl glycosides. <i>FEBS Letters</i> , 1997, 420, 121-124.	1.3	32
112	Endo- $\beta$ -1,4-xylanase families: differences in catalytic properties. <i>Journal of Biotechnology</i> , 1997, 57, 151-166.	1.9	552
113	$\beta$ -Mannanolytic system of <i>Aureobasidium pullulans</i> . <i>Archives of Microbiology</i> , 1997, 167, 350-355.	1.0	19
114	Inversion of configuration during hydrolysis of $\alpha$ -1,4-galacturonidic linkage by three <i>Aspergillus</i> polygalacturonases. <i>FEBS Letters</i> , 1996, 382, 249-255.	1.3	55
115	Substrate specificity and mode of action of acetylxyylan esterase from <i>Streptomyces lividans</i> . <i>FEBS Letters</i> , 1996, 396, 257-260.	1.3	35
116	Stereochemistry of hydrolysis of glycosidic linkage by three <i>Aspergillus</i> polygalacturonases. <i>Progress in Biotechnology</i> , 1996, , 705-710.	0.2	0
117	Production of extracellular $\beta$ -mannanases by yeasts and yeast-like microorganisms. <i>Folia Microbiologica</i> , 1996, 41, 43-47.	1.1	23
118	Isolation and Characterization of Microorganisms with Alternan Hydrolytic Activity. <i>Current Microbiology</i> , 1996, 32, 343-348.	1.0	8
119	Induction and Inducers of the Pectolytic System in <i>Aureobasidium pullulans</i> . <i>Current Microbiology</i> , 1996, 33, 6-10.	1.0	22
120	Substrate specificity of acetylxyylan esterase from <i>Schizophyllum commune</i> : mode of action on acetylated carbohydrates. <i>BBA - Proteins and Proteomics</i> , 1996, 1298, 209-222.	2.1	39
121	Analysis of DNA flanking the <i>xlnB</i> locus of <i>Streptomyces lividans</i> reveals genes encoding acetyl xylan esterase and the RNA component of ribonuclease P. <i>Gene</i> , 1995, 153, 105-109.	1.0	48
122	New search for pectolytic yeasts. <i>Folia Microbiologica</i> , 1994, 39, 485-488.	1.1	16
123	Purification and Properties of Alternanase, a Novel Endo- $\alpha$ -1,3- $\alpha$ -1,6-d-Glucanase. <i>FEBS Journal</i> , 1994, 226, 633-639.	0.2	48
124	Enzymically Produced Cyclic $\alpha$ -1,3-Linked and $\alpha$ -1,6-Linked Oligosaccharides of d-Glucose. <i>FEBS Journal</i> , 1994, 226, 641-648.	0.2	78
125	Stereochemistry of the hydrolysis of glycosidic linkage by endo- $\beta$ -1,4-xylanases of <i>Trichoderma reesei</i> . <i>FEBS Letters</i> , 1994, 356, 137-140.	1.3	21
126	Mode of action of three endo- $\beta$ -1,4-xylanases of <i>Streptomyces lividans</i> . <i>BBA - Proteins and Proteomics</i> , 1993, 1162, 246-254.	2.1	56



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127	Positional isomers of thioxylbiose, their synthesis and inducing ability for d-xylan-degrading enzymes in the yeast <i>Cryptococcus albidus</i> . <i>Carbohydrate Research</i> , 1992, 228, 47-64.	1.1	23
128	Chromogenic substrate for endo-polygalacturonase detection in gels. <i>Journal of Chromatography A</i> , 1992, 603, 243-246.	1.8	13
129	Interlaboratory testing of methods for assay of xylanase activity. <i>Journal of Biotechnology</i> , 1992, 23, 257-270.	1.9	2,058
130	The cellobiohydrolase I from <i>Trichoderma reesei</i> QM 9414: action on cello-oligosaccharides. <i>Carbohydrate Research</i> , 1992, 227, 19-27.	1.1	82
131	Biotechnological Potential and Production of Xylanolytic Systems Free of Cellulases. <i>ACS Symposium Series</i> , 1991, , 408-416.	0.5	29
132	The endo-1,4-beta-glucanase I from <i>Trichoderma reesei</i> . Action on beta-1, 4-oligomers and polymers derived from d-glucose and d-xylose. <i>FEBS Journal</i> , 1991, 200, 157-163.	0.2	101
133	Induction of cellulose- and xylan-degrading enzyme systems in <i>Aspergillus terreus</i> by homo- and heterodisaccharides composed of glucose and xylose. <i>Journal of General Microbiology</i> , 1991, 137, 541-547.	2.3	95
134	Studies of the cellulolytic system of the filamentous fungus <i>Trichoderma reesei</i> QM 9414. Substrate specificity and transfer activity of endoglucanase I. <i>Biochemical Journal</i> , 1990, 270, 251-256.	1.7	77
135	Hydrolysis of (1 $\rightarrow$ 3)- and (1 $\rightarrow$ 2)- $\beta$ -d-xylosidic linkages by an endo-(1 $\rightarrow$ 4)- $\beta$ -d-xylanase of <i>Cryptococcus albidus</i> . <i>Carbohydrate Research</i> , 1990, 206, 251-256.	1.1	4
136	Utilization by yeasts of D-glucarate, galactarate, and L-tartarate is uncommon and occurs in strains of <i>Cryptococcus</i> and <i>Trichosporon</i> . <i>Canadian Journal of Microbiology</i> , 1990, 36, 856-858.	0.8	3
137	Cellulose- and xylan-degrading enzymes of <i>Aspergillus terreus</i> and <i>Aspergillus niger</i> . <i>Enzyme and Microbial Technology</i> , 1989, 11, 610-616.	1.6	66
138	A new chromogenic substrate for assay and detection of $\alpha$ -amylase. <i>Analytical Biochemistry</i> , 1988, 172, 176-179.	1.1	15
139	Remazol Brilliant Blue-xylan: A soluble chromogenic substrate for xylanases. <i>Methods in Enzymology</i> , 1988, , 536-541.	0.4	90
140	Xylanase of <i>Cryptococcus albidus</i> . <i>Methods in Enzymology</i> , 1988, 160, 638-648.	0.4	19
141	Differentiation of Glycanases of Microbial Cellulolytic Systems Using Chromogenic and Fluorogenic Substrates. , 1987, , 187-192.		3
142	Some Properties of Extracellular Acetylxyylan Esterase Produced by the Yeast <i>Rhodotorula mucilaginosa</i> . <i>Applied and Environmental Microbiology</i> , 1987, 53, 2831-2834.	1.4	66
143	Cooperativity of Esterases and Xylanases in the Enzymatic Degradation of Acetyl Xylan. <i>Nature Biotechnology</i> , 1986, 4, 731-733.	9.4	160
144	Specificity of cellulase and $\beta$ -xylanase induction in <i>Trichoderma reesei</i> QM 9414. <i>Archives of Microbiology</i> , 1986, 144, 307-311.	1.0	95

#	ARTICLE	IF	CITATIONS
145	Utilization of Xylan by Yeasts and Its Conversion to Ethanol by <i>Pichia stipitis</i> Strains. Applied and Environmental Microbiology, 1986, 52, 320-324.	1.4	61
146	Novel media for detection of microbial producers of cellulase and xylanase. FEMS Microbiology Letters, 1985, 28, 137-140.	0.7	54
147	Microbial xylanolytic systems. Trends in Biotechnology, 1985, 3, 286-290.	4.9	883
148	Soluble chromogenic substrates for the assay of endo-1,4- $\beta$ -xylanases and endo-1,4- $\beta$ -glucanases. Analytical Biochemistry, 1985, 144, 142-146.	1.1	271
149	Sensitive detection of endo-1,4- $\beta$ -glucanases and endo-1,4- $\beta$ -xylanases in gels. Analytical Biochemistry, 1985, 144, 147-151.	1.1	137
150	Production of Cellulase by <i>Trichoderma reesei</i> on Waste Cellophane. Folia Microbiologica, 1985, 30, 479-484.	1.1	0
151	Acetyl xylan esterases in fungal cellulolytic systems. FEBS Letters, 1985, 186, 80-84.	1.3	183
152	Induction of cellulose- and xylan-degrading enzyme complex in the yeast <i>Trichosporon cutaneum</i> . Archives of Microbiology, 1984, 138, 371-376.	1.0	63
153	Glycosidic bond rearrangements in isomeric xylobioses by yeast xylan-degrading enzymes. FEBS Letters, 1984, 178, 323-326.	1.3	9
154	Novel inducers of the xylan-degrading enzyme system of <i>Cryptococcus albidus</i> . Journal of Bacteriology, 1984, 160, 408-412.	1.0	33
155	The active site of an acidic endo-1,4- $\beta$ -xylanase of <i>Aspergillus niger</i> . BBA - Proteins and Proteomics, 1983, 743, 155-161.	2.1	18
156	Xylosyl transfer to cellobiose catalysed by an endo-(1 $\rightarrow$ 4)- $\beta$ -d-xylanase of <i>Cryptococcus albidus</i> . Carbohydrate Research, 1983, 123, 97-107.	1.1	11
157	Synthesis and Hydrolysis of 1,3- $\beta$ -Xylosidic Linkages by Endo-1,4- $\beta$ -xylanase of <i>Cryptococcus albidus</i> . FEBS Journal, 1983, 129, 645-651.	0.2	22
158	$\beta$ -xylosidases and a nonspecific wall-bound $\beta$ -glucosidase of the yeast <i>Cryptococcus albidus</i> . Biochimica Et Biophysica Acta - General Subjects, 1982, 716, 391-399.	1.1	20
159	Reaction pathways of substrate degradation by an acidic endo-1,4- $\beta$ -xylanase of <i>Aspergillus niger</i> . BBA - Proteins and Proteomics, 1982, 704, 114-122.	2.1	37
160	Substrate-Binding Site of Endo-1,4-beta-Xylanase of the Yeast <i>Cryptococcus albidus</i> . FEBS Journal, 1981, 119, 559-564.	0.2	111
161	Mechanisms of Substrate Digestion by Endo-1,4-beta-Xylanase of <i>Cryptococcus albidus</i> . Lysozyme-Type Pattern of Action. FEBS Journal, 1981, 119, 565-571.	0.2	56
162	A method for preparing lower [U-14C]-labelled (1 $\rightarrow$ 4)- $\beta$ -d-xylo-oligosaccharides. Carbohydrate Research, 1981, 93, 300-303.	1.1	10

#	ARTICLE	IF	CITATIONS
163	A comparison of the toxic effects of 2-deoxy-D-glucose and 2-deoxy-2-fluoro-D-hexoses on <i>Saccharomyces cerevisiae</i> cells and protoplasts. <i>Zeitschrift Fur Allgemeine Mikrobiologie</i> , 1981, 21, 489-497.	0.0	0
164	Xylan-Degrading Enzymes of the Yeast <i>Cryptococcus albidus</i> . Identification and Cellular Localization. <i>FEBS Journal</i> , 1980, 108, 313-321.	0.2	111
165	Induction and Inducers of Endo-1,4-beta-xylanase in the Yeast <i>Cryptococcus albidus</i> . <i>FEBS Journal</i> , 1980, 108, 323-329.	0.2	62
166	Inducible beta-Xyloside Permease as a Constituent of the Xylan-Degrading Enzyme System of the Yeast <i>Cryptococcus albidus</i> . <i>FEBS Journal</i> , 1980, 112, 367-373.	0.2	29
167	Complex Reaction Pathway of Aryl beta-Xyloside Degradation by beta-Xylanase of <i>Cryptococcus albidus</i> . <i>FEBS Journal</i> , 1980, 112, 375-381.	0.2	25
168	Growth of <i>Aureobasidium pullulans</i> on waste water hemicelluloses. <i>Folia Microbiologica</i> , 1979, 24, 328-333.	1.1	12
169	Chitin structures of the cell walls of synchronously grown virgin cells of <i>Saccharomyces cerevisiae</i> . <i>Zeitschrift Fur Allgemeine Mikrobiologie</i> , 1979, 19, 357-362.	0.0	9
170	Changes in the rate of synthesis of wall polysaccharides during the cell cycle of yeast. <i>Archives of Microbiology</i> , 1978, 119, 213-214.	1.0	22
171	Xylan-degrading activity in yeasts: Growth on xylose, xylan and hemicelluloses. <i>Folia Microbiologica</i> , 1978, 23, 366-371.	1.1	46
172	Metabolism of 2-Deoxy-2-fluoro-d-[3H]glucose and 2-Deoxy-2-fluoro-d-[3H]mannose in Yeast and Chick-Embryo Cells. <i>FEBS Journal</i> , 1978, 87, 55-68.	0.2	42
173	Lysis of intact yeast cells and isolated cell walls by an inducible enzyme system of <i>Arthrobacter GJM-1</i> . <i>Zeitschrift Fur Allgemeine Mikrobiologie</i> , 1977, 17, 391-402.	0.0	32
174	Enzymes of the yeast lytic system produced by <i>Arthrobacter GJM-1</i> bacterium and their role in the lysis of yeast cell walls. <i>Zeitschrift Fur Allgemeine Mikrobiologie</i> , 1977, 17, 465-480.	0.0	50
175	Interaction of Concanavalin A with External Mannan-Proteins of <i>Saccharomyces cerevisiae</i> . Glycoprotein Nature of beta-Glucanases. <i>FEBS Journal</i> , 1976, 70, 75-81.	0.2	34
176	Mechanism of 2-Deoxy-d-glucose Inhibition of Cell-Wall Polysaccharide and Glycoprotein Biosyntheses in <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 1975, 54, 459-467.	0.2	79
177	Wall mannan of <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1975, 404, 1-6.	1.1	19
178	Uridine diphosphate 2-deoxyglucose. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1975, 381, 301-307.	1.1	29
179	Metabolism of 2-deoxy-d-glucose by baker's yeast. VI. A study on cell wall mannan. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974, 352, 268-274.	1.4	25
180	Cell wall formation in yeast. <i>Archives of Microbiology</i> , 1973, 94, 365-371.	1.0	21

#	ARTICLE	IF	CITATIONS
181	Extracellular $\beta$ -glucanases of the yeast, <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1973, 321, 246-255.	1.4	79
182	Lysis of <i>Saccharomyces cerevisiae</i> with 2-Deoxy-2-Fluoro- $\beta$ -D-Glucose, an Inhibitor of the Cell Wall Glucan Synthesis. <i>Journal of Bacteriology</i> , 1973, 115, 1108-1120.	1.0	40
183	Secretion of $\beta$ -glucanase by <i>Saccharomyces cerevisiae</i> protoplasts. <i>FEBS Letters</i> , 1972, 23, 153-156.	1.3	15
184	Metabolism of 2-deoxy-d-glucose by baker's yeast. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1972, 255, 631-639.	1.4	42
185	Transglycosylic reactions of nucleotides of 2-deoxy-sugars II. 2-deoxyglucose incorporation into glycogen. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1971, 252, 432-438.	1.1	23
186	Effect of 2-Deoxyglucose on Cell Wall Formation in <i>Saccharomyces cerevisiae</i> and Its Relation to Cell Growth Inhibition. <i>Journal of Bacteriology</i> , 1971, 107, 121-129.	1.0	74
187	Transglycosylic reactions of nucleotides of 2-deoxy-sugars. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1968, 165, 63-67.	1.1	12
188	Incorporation of 2-deoxy-d-glucose into glycogen. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1968, 158, 487-488.	1.1	19
189	The formation of guanosine diphosphate-2-deoxy-d-glucose in yeast. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1968, 156, 432-434.	1.1	48
190	Metabolism of 2-deoxy-D-glucose by Baker's yeast. II. Formation of 2-deoxy-D-gluconic acid. <i>Collection of Czechoslovak Chemical Communications</i> , 1968, 33, 1165-1173.	1.0	18
191	Determination of intracellular 2-deoxy-d-glucose 6-phosphate and uridine diphosphate-2-deoxy-d-glucose. <i>Analytical Biochemistry</i> , 1967, 20, 387-393.	1.1	2
192	Metabolism of 2-deoxy-D-glucose by baker's yeast. I. Isolation and identification of phosphorylated esters of 2-deoxy-D-glucose. <i>Collection of Czechoslovak Chemical Communications</i> , 1967, 32, 1588-1594.	1.0	36
193	The formation of uridine diphosphate-2-deoxy-d-glucose in yeast. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1966, 121, 213-214.	1.1	28