Peter Biely

List of Publications by Year in descending order

193 papers	11,290 citations	34105 52 h-index	34986 98 g-index
194 all docs	194 docs citations	194 times ranked	5949 citing authors

#	Article	IF	Citations
1	Cellulose- and xylan-degrading yeasts: Enzymes, applications and biotechnological potential. Biotechnology Advances, 2022, 59, 107981.	11.7	28
2	A novel bacterial GH30 xylobiohydrolase from Hungateiclostridium clariflavum. Applied Microbiology and Biotechnology, 2021, 105, 185-195.	3.6	11
3	Xylanases of glycoside hydrolase family 30 â€“ An overview. Biotechnology Advances, 2021, 47, 107704.	11.7	29
4	Catalytic Diversity of GH30 Xylanases. Molecules, 2021, 26, 4528.	3.8	1
5	Non-Specific GH30_7 Endo-Î²-1,4-xylanase from Talaromyces leycettanus. Molecules, 2021, 26, 4614.	3.8	7
6	Positional specificity of Flavobacterium johnsoniae acetylxylan esterase and acetyl group migration on xylan main chain. Carbohydrate Polymers, 2020, 232, 115783.	10.2	14
7	A novel GH30 xylobiohydrolase from Acremonium alcalophilum releasing xylobiose from the non-reducing end. Enzyme and Microbial Technology, 2020, 134, 109484.	3.2	21
8	Structural characterization of hemicellulose released from corn cob in continuous flow type hydrothermal reactor. Journal of Bioscience and Bioengineering, 2019, 127, 222-230.	2.2	37
9	Characterization of Acetylxylan Esterase from White-Rot Fungus Irpex lacteus. Journal of Applied Glycoscience (1999), 2019, 66, 131-137.	0.7	3
10	Xylan from bambara and cowpea biomass and their structural elucidation. International Journal of Biological Macromolecules, 2019, 132, 987-993.	7.5	20
11	Glucuronoxylan 3-O-acetylated on uronic acid-substituted xylopyranosyl residues and its hydrolysis by GH10, GH11 and GH30 endoxylanases. Carbohydrate Polymers, 2019, 205, 217-224.	10.2	17
12	Glucuronoxylan recognition by GH 30 xylanases: A study with enzyme and substrate variants. Archives of Biochemistry and Biophysics, 2018, 643, 42-49.	3.0	11
13	Action of different types of endoxylanases on eucalyptus xylan in situ. Applied Microbiology and Biotechnology, 2018, 102, 1725-1736.	3.6	19
14	Structure of peanut shell xylan and its conversion to oligosaccharides. Process Biochemistry, 2018, 72, 124-129.	3.7	24
15	Glucuronoyl esterases: diversity, properties and biotechnological potential. A review. Critical Reviews in Biotechnology, 2018, 38, 1121-1136.	9.0	20
16	Î²-Glucuronidase-coupled assays of glucuronoyl esterases. Analytical Biochemistry, 2016, 510, 114-119.	2.4	8
17	Microbial Glucuronoyl Esterases: 10 Years after Discovery. Applied and Environmental Microbiology, 2016, 82, 7014-7018.	3.1	18
18	Phylogeny, classification and metagenomic bioprospecting of microbial acetyl xylan esterases. Enzyme and Microbial Technology, 2016, 93-94, 79-91.	3.2	54

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19	Comparison of fungal carbohydrate esterases of family CE16 on artificial and natural substrates. Journal of Biotechnology, 2016, 233, 228-236.	3.8	21
20	Towards enzymatic breakdown of complex plant xylan structures: State of the art. Biotechnology Advances, 2016, 34, 1260-1274.	11.7	215
21	The Glycoside Hydrolase Family 8 Reducing-End Xylose-Releasing Exo-oligoxylanase Rex8A from Paenibacillus barcinonensis BP-23 Is Active on Branched Xylooligosaccharides. Applied and Environmental Microbiology, 2016, 82, 5116-5124.	3.1	27
22	Comparison of catalytic properties of multiple Î²-glucosidases of Trichoderma reesei. Applied Microbiology and Biotechnology, 2016, 100, 4959-4968.	3.6	40
23	[Review: Symposium on Applied Glycoscience] Function of β-Glucosidases in Cellulase Induction of Trichoderma reesei. Bulletin of Applied Glycoscience, 2016, 6, 96-102.	0.0	0
24	Glucuronoyl esterases are active on the polymeric substrate methyl esterified glucuronoxylan. FEBS Letters, 2015, 589, 2334-2339.	2.8	27
25	The role of the glucuronoxylan carboxyl groups in the action of endoxylanases of three glycoside hydrolase families: A study with two substrate mutants. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 2246-2255.	2.4	20
26	Redistribution of acetyl groups on the non-reducing end xylopyranosyl residues and their removal by xylan deacetylases. Applied Microbiology and Biotechnology, 2015, 99, 3865-3873.	3.6	16
27	A unique CE16 acetyl esterase from Podospora anserina active on polymeric xylan. Applied Microbiology and Biotechnology, 2015, 99, 10515-10526.	3.6	16
28	Recent Progress in Understanding the Mode of Action of Acetylxylan Esterases. Journal of Applied Glycoscience (1999), 2014, 61, 35-44.	0.7	21
29	Enzymatic acylation of flavonoid glycosides by a carbohydrate esterase of family 16. Biotechnology Letters, 2014, 36, 2249-2255.	2.2	14
30	TrichodermaÂreesei <scp>XYN</scp>Â<scp>VI</scp> â€“ aÂnovel appendageâ€dependent eukaryotic glucuronoxylan hydrolase. FEBS Journal, 2014, 281, 3894-3903.	4.7	46
31	Trichoderma reesei CE16 acetyl esterase and its role in enzymatic degradation of acetylated hemicellulose. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 516-525.	2.4	21
32	Mode of action of acetylxylan esterases on acetyl glucuronoxylan and acetylated oligosaccharides generated by a GH10 endoxylanase. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5075-5086.	2.4	51
33	Positional specifity of acetylxylan esterases on natural polysaccharide: An NMR study. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3365-3372.	2.4	38
34	Xylanase <scp>XYN</scp>Â<scp>IV</scp> from <scp>T</scp>richodermaÂreesei showing exoâ€and endoâ€xylanase activity. FEBS Journal, 2013, 280, 285-301.	4.7	67
35	S3-5 New sight on catalytic properties of acetylxylan esterases(Overseas Invited Presentation). Bulletin of Applied Glycoscience, 2013, 3, B53.	0.0	0
36	Structural and Biochemical Characterization of Glycoside Hydrolase Family 79 Î²-Glucuronidase from Acidobacterium capsulatum. Journal of Biological Chemistry, 2012, 287, 14069-14077.	3.4	39

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37	Microbial carbohydrate esterases deacetylating plant polysaccharides. Biotechnology Advances, 2012, 30, 1575-1588.	11.7	232
38	Functional Cloning and Expression of the Schizophyllum commune Glucuronoyl Esterase Gene and Characterization of the Recombinant Enzyme. Biotechnology Research International, 2012, 2012, 1-7.	1.4	19
39	Functional and structural characterization of a thermostable acetyl esterase from Thermotoga maritima. Proteins: Structure, Function and Bioinformatics, 2012, 80, 1545-1559.	2.6	46
40	Structural basis for substrate recognition by Erwiniaâ€ƒchrysanthemi GH30 glucuronoxylanase. FEBS Journal, 2011, 278, 2105-2116.	4.7	71
41	Crystallization and preliminary crystallographic analysis of the glycoside hydrolase family 115 Î±-glucuronidase fromStreptomyces pristinaespiralis. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 68-71.	0.7	11
42	Structure of the catalytic domain of glucuronoyl esterase Cip2 from Hypocrea jecorina. Proteins: Structure, Function and Bioinformatics, 2011, 79, 2588-2592.	2.6	50
43	Action of xylan deacetylating enzymes on monoacetyl derivatives of 4-nitrophenyl glycosides of Î²-d-xylopyranose and Î±-l-arabinofuranose. Journal of Biotechnology, 2011, 151, 137-142.	3.8	52
44	Cloning and heterologous expression of the extracellular alpha-galactosidase from Aspergillus fumigatus in Aspergillus sojae under the control of gpdA promoter. Journal of Molecular Catalysis B: Enzymatic, 2010, 64, 146-149.	1.8	10
45	Carbohydrate esterases of family 2 are 6â€Oâ€deacetylases. FEBS Letters, 2010, 584, 543-548.	2.8	33
46	Inverting character of family GH115 Î±â€glucuronidases. FEBS Letters, 2010, 584, 4063-4068.	2.8	23
47	Preparation of regioselectively feruloylated p-nitrophenyl Î±-l-arabinofuranosides and Î²-d-xylopyranosidesâ€"convenient substrates for study of feruloyl esterase specificity. Carbohydrate Research, 2010, 345, 1094-1098.	2.3	12
48	Fungal Glucuronoyl Esterases and Substrate Uronic Acid Recognition. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2483-2487.	1.3	38
49	A novel family of hemicellulolytic Î±â€glucuronidase. FEBS Letters, 2009, 583, 1457-1462.	2.8	68
50	Cloning, expression and characterization of endoâ€Î²â€1,4â€mannanase from Aspergillus fumigatus in Aspergillus sojae and Pichia pastoris. Biotechnology Progress, 2009, 25, 271-276.	2.6	45
51	Two glucuronoyl esterases of Phanerochaete chrysosporium. Archives of Microbiology, 2009, 191, 133-140.	2.2	51
52	Purification, characterization and mass spectrometric sequencing of a thermophilic glucuronoyl esterase fromSporotrichum thermophile. FEMS Microbiology Letters, 2009, 296, 178-184.	1.8	47
53	An alternative approach for the synthesis of fluorogenic substrates of endo-Î²-(1â†'4)-xylanases and some applications. Carbohydrate Research, 2008, 343, 541-548.	2.3	14
54	Crystallization and preliminary X-ray diffraction analysis of the glucuronoyl esterase catalytic domain fromHypocrea jecorina. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 255-257.	0.7	2

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55	Simultaneous production of endo-Î²-1,4-xylanase and branched xylooligosaccharides by Thermomyces lanuginosus. Journal of Biotechnology, 2008, 137, 34-43.	3.8	29
56	Endo-Î²-1,4-xylanase inhibitors in leaves and roots of germinated maize. Journal of Cereal Science, 2008, 48, 27-32.	3.7	12
57	Antioxidant Potential of Hydroxycinnamic Acid Glycoside Esters. Journal of Agricultural and Food Chemistry, 2008, 56, 4797-4805.	5.2	66
58	Novel Family of Carbohydrate Esterases, Based on Identification of the Hypocrea jecorina Acetyl Esterase Gene. Applied and Environmental Microbiology, 2008, 74, 7482-7489.	3.1	60
59	The vicinal hydroxyl group is prerequisite for metal activation of Clostridium thermocellum acetylxylan esterase. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 565-570.	2.4	17
60	Identification of genes encoding microbial glucuronoyl esterases. FEBS Letters, 2007, 581, 4029-4035.	2.8	83
61	Substrate and positional specificity of feruloyl esterases for monoferuloylated and monoacetylated 4-nitrophenyl glycosides. Journal of Biotechnology, 2007, 127, 235-243.	3.8	26
62	A simple enzymatic synthesis of 4-nitrophenyl Î²-1,4-d-xylobioside, a chromogenic substrate for assay and differentiation of endoxylanases. Journal of Biotechnology, 2007, 128, 576-586.	3.8	7
63	Purification and mechanistic characterisation of two polygalacturonases from Sclerotium rolfsii. Enzyme and Microbial Technology, 2007, 40, 1739-1747.	3.2	38
64	Mode of action of glycoside hydrolase familyâ€ƒ5 glucuronoxylan xylanohydrolase from Erwinia chrysanthemi. FEBS Journal, 2007, 274, 1666-1677.	4.7	81
65	Synthetic esters recognized by glucuronoyl esterase from Schizophyllum commune. Archives of Microbiology, 2007, 188, 185-189.	2.2	36
66	Mode of action of endo-Î²-1,4-xylanases of families 10 and 11 on acidic xylooligosaccharides. Journal of Biotechnology, 2006, 121, 338-345.	3.8	79
67	Glucuronoyl esterase - Novel carbohydrate esterase produced bySchizophyllum commune. FEBS Letters, 2006, 580, 4597-4601.	2.8	88
68	Hydrolysis of (1,4)-Î²-D-mannans in barley (Hordeum vulgare L.) is mediated by the concerted action of (1,4)-Î²-D-mannan endohydrolase and Î²-D-mannosidase. Biochemical Journal, 2006, 399, 77-90.	3.7	46
69	The acetates of p-nitrophenyl Î±-l-arabinofuranosideâ€”Regioselective preparation by action of lipases. Bioorganic and Medicinal Chemistry, 2006, 14, 1805-1810.	3.0	13
70	Dictionary of Carbohydrates. Edited by P. M. Collins. Second Edition. Chemical Papers, 2006, 60, .	2.2	1
71	Recent progress in the assays of xylanolytic enzymes. Journal of the Science of Food and Agriculture, 2006, 86, 1636-1647.	3.5	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. Journal of Biological Chemistry, 2006, 281, 10968-10975.	3.4	99

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73	Purification and characterization of two minor endo-Î²-1,4-xylanases of Schizophyllum commune. Enzyme and Microbial Technology, 2005, 36, 903-910.	3.2	35
74	Unique mode of acetylation of oligosaccharides in aqueous two-phase system by Trichoderma reesei acetyl esterase. Journal of Molecular Catalysis B: Enzymatic, 2005, 37, 72-78.	1.8	23
75	Glycosylation of internal sugar residues of oligosaccharides catalyzed by Î±-galactosidase from. Biochimica Et Biophysica Acta - General Subjects, 2005, 1726, 206-216.	2.4	19
76	Microbial Hemicellulolytic Carbohydrate Esterases. , 2005, , 21-1-21-24.		4
77	Lipase-catalysed preparation of acetates of 4-nitrophenyl Î²-d-xylopyranoside and their use in kinetic studies of acetyl migration. Carbohydrate Research, 2004, 339, 1353-1360.	2.3	64
78	Purification and characterization of a type B feruloyl esterase (StFAE-A) from the thermophilic fungus Sporotrichum thermophile. Applied Microbiology and Biotechnology, 2004, 63, 686-690.	3.6	67
79	Enzyme-coupled assay of acetylxylan esterases on monoacetylated 4-nitrophenyl Î²-d-xylopyranosides. Analytical Biochemistry, 2004, 332, 109-115.	2.4	25
80	An efficient chemoenzymatic route to methyl 4-O-benzyl-2,3-anhydro-Î²-d-lyxopyranoside from methyl Î²-d-xylopyranoside. Carbohydrate Research, 2004, 339, 425-428.	2.3	4
81	Deoxy and deoxyfluoro analogues of acetylated methyl Î²-d-xylopyranosideâ€“â€“substrates for acetylxylan esterases. Carbohydrate Research, 2004, 339, 2101-2110.	2.3	19
82	Purification and characterization of two forms of endo-?-1,4-mannanase from a thermotolerant fungus, IMI 385708 (formerly IMI 158749). Biochimica Et Biophysica Acta - General Subjects, 2004, 1674, 239-250.	2.4	88
83	Diversity of Microbial Endo-Î²-1,4-Xylanases. ACS Symposium Series, 2003, , 361-380.	0.5	5
84	Comparison of Catalytic Properties of Acetyl Xylan Esterases from Three Carbohydrate Esterase Families. ACS Symposium Series, 2003, , 211-229.	0.5	23
85	Biochemical and catalytic properties of an endoxylanase purified from the culture filtrate of Sporotrichum thermophile. Carbohydrate Research, 2003, 338, 1881-1890.	2.3	54
86	Two efficient ways to 2-O- and 5-O-feruloylated 4-nitrophenyl Î±-l-arabinofuranosides as substrates for differentiation of feruloyl esterases. Tetrahedron Letters, 2003, 44, 1671-1673.	1.4	25
87	Purification and characterization of a Fusarium oxysporum feruloyl esterase (FoFAE-I) catalysing transesterification of phenolic acid esters. Enzyme and Microbial Technology, 2003, 33, 729-737.	3.2	68
88	Purification and characterization of a feruloyl esterase from Fusarium oxysporum catalyzing esterification of phenolic acids in ternary waterâ€“organic solvent mixtures. Journal of Biotechnology, 2003, 102, 33-44.	3.8	110
89	Regioselective deacetylation of cellulose acetates by acetyl xylan esterases of different CE-families. Journal of Biotechnology, 2003, 105, 95-104.	3.8	43
90	Mode of action of acetylxylan esterase from Streptomyces lividans: a study with deoxy and deoxy-fluoro analogues of acetylated methyl Î²-d-xylopyranoside. Biochimica Et Biophysica Acta - General Subjects, 2003, 1622, 82-88.	2.4	26

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91	Transacetylations to carbohydrates catalyzed by acetylxylan esterase in the presence of organic solvent. Biochimica Et Biophysica Acta - General Subjects, 2003, 1623, 62-71.	2.4	15
92	Purification and Properties of a Feruloyl Esterase Involved in Lignocellulose Degradation by Aureobasidium pullulans. Applied and Environmental Microbiology, 2003, 69, 5622-5626.	3.1	61
93	The Î±-Glucuronidase, GlcA67A, of Cellvibrio japonicus Utilizes the Carboxylate and Methyl Groups of Aldobiouronic Acid as Important Substrate Recognition Determinants. Journal of Biological Chemistry, 2003, 278, 20286-20292.	3.4	32
94	Aryl-Glycosidase Activities in Germinating Maize. Cereal Chemistry, 2003, 80, 144-147.	2.2	8
95	Differentiation of feruloyl esterases on synthetic substrates in Î±-arabinofuranosidase-coupled and ultraviolet-spectrophotometric assays. Analytical Biochemistry, 2002, 311, 68-75.	2.4	27
96	Xylanolytic Enzymes. , 2002, , .		3
97	A common access to 2- and 3-substituted methyl Î²-d-xylopyranosides. Tetrahedron Letters, 2001, 42, 9065-9067.	1.4	15
98	Enzymic Î±-galactosylation of a cyclic glucotetrasaccharide derived from alternan. Carbohydrate Research, 2001, 332, 299-303.	2.3	17
99	Catalytic properties of the endoxylanase I from Thermoascus aurantiacus. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 491-501.	1.8	25
100	A Chromogenic Substrate for a Î²-Xylosidase-Coupled Assay of Î±-Glucuronidase. Analytical Biochemistry, 2000, 286, 289-294.	2.4	42
101	X-ray structure determination and modeling of the cyclic tetrasaccharide 1â†'}. Carbohydrate Research, 2000, 329, 655-665.	2.3	43
102	Inverting character of Î±-glucuronidase A from Aspergillus tubingensis. Biochimica Et Biophysica Acta - General Subjects, 2000, 1474, 360-364.	2.4	44
103	Purification and characterization of Î±-galactosidase from a thermophilic fungus Thermomyces lanuginosus. Biochimica Et Biophysica Acta - General Subjects, 2000, 1524, 27-37.	2.4	66
104	Relatedness of Thermomyces lanuginosus strains producing a thermostable xylanase. Journal of Biotechnology, 2000, 81, 119-128.	3.8	43
105	Effects of purified endo-Î²-1,4-xylanases of family 10 and 11 and acetyl xylan esterases on eucalypt sulfite dissolving pulp. Journal of Biotechnology, 2000, 83, 231-244.	3.8	34
106	Production of xylanases, mannanases, and pectinases by the thermophilic fungus Thermomyces lanuginosus. Enzyme and Microbial Technology, 1999, 24, 355-361.	3.2	86
107	Biochemical and catalytic properties of an endoxylanase purified from the culture filtrate of Thermomyces lanuginosus ATCC 46882. Carbohydrate Research, 1998, 306, 445-455.	2.3	77
108	Disaccharides permeases: constituents of xylanolytic and mannanolytic systems of Aureobasidium pullulans. Biochimica Et Biophysica Acta - General Subjects, 1998, 1425, 560-566.	2.4	12

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109	Substrate Binding and Catalytic Mechanism of a Barley Î²-d-Glucosidase/(1,4)-Î²-d-Glucan Exohydrolase. Journal of Biological Chemistry, 1998, 273, 11134-11143.	3.4	86
110	The Î²-d-xylosidase of Trichoderma reesei is a multifunctional Î²-d-xylan xylohydrolase. Biochemical Journal, 1997, 321, 375-381.	3.7	101
111	Action of acetylxylan esterase from Trichoderma reesei on acetylated methyl glycosides. FEBS Letters, 1997, 420, 121-124.	2.8	32
112	Endo-Î²-1,4-xylanase families: differences in catalytic properties. Journal of Biotechnology, 1997, 57, 151-166.	3.8	552
113	Î²-Mannanolytic system of Aureobasidium pullulans. Archives of Microbiology, 1997, 167, 350-355.	2.2	19
114	Inversion of configuration during hydrolysis of Î±-1,4-galacturonidic linkage by threeAspergilluspolygalacturonases. FEBS Letters, 1996, 382, 249-255.	2.8	55
115	Substrate specificity and mode of action of acetylxylan esterase from Streptomyces lividans. FEBS Letters, 1996, 396, 257-260.	2.8	35
116	Stereochemistry of hydrolysis of glycosidic linkage by three Aspergillus polygalacturonases. Progress in Biotechnology, 1996, , 705-710.	0.2	0
117	Production of extracellular Î²-mannanases by yeasts and yeast-like microorganisms. Folia Microbiologica, 1996, 41, 43-47.	2.3	23
118	Isolation and Characterization of Microorganisms with Alternan Hydrolytic Activity. Current Microbiology, 1996, 32, 343-348.	2.2	8
119	Induction and Inducers of the Pectolytic System in Aureobasidium pullulans. Current Microbiology, 1996, 33, 6-10.	2.2	22
120	Substrate specificity of acetylxylan esterase from Schizophyllum commune: mode of action on acetylated carbohydrates. BBA - Proteins and Proteomics, 1996, 1298, 209-222.	2.1	39
121	Analysis of DNA flanking the xlnB locus of Streptomyces lividans reveals genes encoding acetyl xylan esterase and the RNA component of ribonuclease P. Gene, 1995, 153, 105-109.	2.2	48
122	New search for pectolytic yeasts. Folia Microbiologica, 1994, 39, 485-488.	2.3	16
123	Purification and Properties of Alternanase, a Novel Endo-alpha-1,3-alpha-1,6-d-Glucanase. FEBS Journal, 1994, 226, 633-639.	0.2	48
124	Enzymically Produced Cyclic alpha-1,3-Linked and alpha-1,6-Linked Oligosaccharides of d-Glucose. FEBS Journal, 1994, 226, 641-648.	0.2	78
125	Stereochemistry of the hydrolysis of glycosidic linkage by endo-Î²-1,4-xylanases ofTrichoderma reesei. FEBS Letters, 1994, 356, 137-140.	2.8	21
126	Mode of action of three endo-Î²-1,4-xylanases of Streptomyces lividans. BBA - Proteins and Proteomics, 1993, 1162, 246-254.	2.1	56

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127	Positional isomers of thioxylobiose, their synthesis and inducing ability for d-xylan-degrading enzymes in the yeast cryptococcus albidus. Carbohydrate Research, 1992, 228, 47-64.	2.3	23
128	Chromogenic substrate for endo-polygalacturonase detection in gels. Journal of Chromatography A, 1992, 603, 243-246.	3.7	13
129	Interlaboratory testing of methods for assay of xylanase activity. Journal of Biotechnology, 1992, 23, 257-270.	3.8	2,058
130	The cellobiohydrolase I from Trichoderma reesei QM 9414: action on cello-oligosaccharides. Carbohydrate Research, 1992, 227, 19-27.	2.3	82
131	Biotechnological Potential and Production of Xylanolytic Systems Free of Cellulases. ACS Symposium Series, 1991, , 408-416.	0.5	29
132	The endo-1,4-beta-glucanase I from Trichoderma reesei. Action on beta-1, 4-oligomers and polymers derived from d-glucose and d-xylose. FEBS Journal, 1991, 200, 157-163.	0.2	101
133	Induction of cellulose- and xylan-degrading enzyme systems in Aspergillus terreus by homo- and heterodisaccharides composed of glucose and xylose. Journal of General Microbiology, 1991, 137, 541-547.	2.3	95
134	Studies of the cellulolytic system of the filamentous fungus Trichoderma reesei QM 9414. Substrate specificity and transfer activity of endoglucanase I. Biochemical Journal, 1990, 270, 251-256.	3.7	77
135	Hydrolysis of (1â†'3)- and (1â†'2)-Î²-d-xylosidic linkages by an endo-(1â†'4)-Î²-d-xylanase of Cryptococcus albidus. Carbohydrate Research, 1990, 206, 251-256.	2.3	4
136	Utilization by yeasts of D-glucarate, galactarate, and L-tartarate is uncommon and occurs in strains of Cryptococcus and Trichosporon. Canadian Journal of Microbiology, 1990, 36, 856-858.	1.7	3
137	Cellulose- and xylan-degrading enzymes of Aspergillus terreus and Aspergillus niger. Enzyme and Microbial Technology, 1989, 11, 610-616.	3.2	66
138	A new chromogenic substrate for assay and detection of Î±-amylase. Analytical Biochemistry, 1988, 172, 176-179.	2.4	15
139	Remazol Brilliant Blue-xylan: A soluble chromogenic substrate for xylanases. Methods in Enzymology, 1988, , 536-541.	1.0	90
140	Xylanase of Cryptococcus albidus. Methods in Enzymology, 1988, 160, 638-648.	1.0	19
141	Differentiation of Glycanases of Microbial Cellulolytic Systems Using Chromogenic and Fluorogenic Substrates. , 1987, , 187-192.		3
142	Some Properties of Extracellular Acetylxylan Esterase Produced by the Yeast Rhodotorula mucilaginosa. Applied and Environmental Microbiology, 1987, 53, 2831-2834.	3.1	66
143	Cooperativity of Esterases and Xylanases in the Enzymatic Degradation of Acetyl Xylan. Nature Biotechnology, 1986, 4, 731-733.	17.5	160
144	Specificity of cellulase and Î²-xylanase induction in Trichoderma reesei QM 9414. Archives of Microbiology, 1986, 144, 307-311.	2.2	95

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145	Utilization of Xylan by Yeasts and Its Conversion to Ethanol by Pichia stipitis Strains. Applied and Environmental Microbiology, 1986, 52, 320-324.	3.1	61
146	Novel media for detection of microbial producers of cellulase and xylanase. FEMS Microbiology Letters, 1985, 28, 137-140.	1.8	54
147	Microbial xylanolytic systems. Trends in Biotechnology, 1985, 3, 286-290.	9.3	883
148	Soluble chromogenic substrates for the assay of endo-1,4-Î²-xylanases and endo-1,4-Î²-glucanases. Analytical Biochemistry, 1985, 144, 142-146.	2.4	271
149	Sensitive detection of endo-1,4-Î²-glucanases and endo-1,4-Î²-xylanases in gels. Analytical Biochemistry, 1985, 144, 147-151.	2.4	137
150	Production of Cellulase byTrichoderma reesei on Waste Cellophane. Folia Microbiologica, 1985, 30, 479-484.	2.3	0
151	Acetyl xylan esterases in fungal cellulolytic systems. FEBS Letters, 1985, 186, 80-84.	2.8	183
152	Induction of cellulose- and xylan-degrading enzyme complex in the yeast Trichosporon cutaneum. Archives of Microbiology, 1984, 138, 371-376.	2.2	63
153	Glycosidic bond rearrangements in isomeric xylobioses by yeast xylan-degrading enzymes. FEBS Letters, 1984, 178, 323-326.	2.8	9
154	Novel inducers of the xylan-degrading enzyme system of Cryptococcus albidus. Journal of Bacteriology, 1984, 160, 408-412.	2.2	33
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