

# Peter Biely

## List of Publications by Year in descending order

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193  
papers

11,290  
citations

34016

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194  
docs citations

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times ranked

5949  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Interlaboratory testing of methods for assay of xylanase activity. <i>Journal of Biotechnology</i> , 1992, 23, 257-270.   | 1.9 | 2,058     |
| 2  | Microbial xylanolytic systems. <i>Trends in Biotechnology</i> , 1985, 3, 286-290.   | 4.9 | 883       |
| 3  | Endo- $\beta$ -1,4-xylanase families: differences in catalytic properties. <i>Journal of Biotechnology</i> , 1997, 57, 151-166.   | 1.9 | 552       |
| 4  | Soluble chromogenic substrates for the assay of endo-1,4- $\beta$ -xylanases and endo-1,4- $\beta$ -glucanases. <i>Analytical Biochemistry</i> , 1985, 144, 142-146.  | 1.1 | 271       |
| 5  | Microbial carbohydrate esterases deacetylating plant polysaccharides. <i>Biotechnology Advances</i> , 2012, 30, 1575-1588.  | 6.0 | 232       |
| 6  | Towards enzymatic breakdown of complex plant xylan structures: State of the art. <i>Biotechnology Advances</i> , 2016, 34, 1260-1274.   | 6.0 | 215       |
| 7  | Acetyl xylan esterases in fungal cellulolytic systems. <i>FEBS Letters</i> , 1985, 186, 80-84.  | 1.3 | 183       |
| 8  | Cooperativity of Esterases and Xylanases in the Enzymatic Degradation of Acetyl Xylan. <i>Nature Biotechnology</i> , 1986, 4, 731-733.  | 9.4 | 160       |
| 9  | Sensitive detection of endo-1,4- $\beta$ -glucanases and endo-1,4- $\beta$ -xylanases in gels. <i>Analytical Biochemistry</i> , 1985, 144, 147-151.   | 1.1 | 137       |
| 10 | 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       |
| 11 | Substrate-Binding Site of Endo-1,4-beta-Xylanase of the Yeast <i>Cryptococcus albidus</i> . <i>FEBS Journal</i> , 1981, 119, 559-564.   | 0.2 | 111       |
| 12 | 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       |
| 13 | 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       |
| 14 | 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       |
| 15 | Structure and Activity of Two Metal Ion-dependent Acetyl-xylan 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | Remazol Brilliant Blue-xylan: A soluble chromogenic substrate for xylanases. <i>Methods in Enzymology</i> , 1988, , 536-541.  | 0.4 | 90        |

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|----|---|-----|-----------|
| 19 | 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        |
| 20 | Glucuronoyl esterase - Novel carbohydrate esterase produced by <i>Schizophyllum commune</i> . <i>FEBS Letters</i> , 2006, 580, 4597-4601.   | 1.3 | 88        |
| 21 | 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        |
| 22 | 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        |
| 23 | Identification of genes encoding microbial glucuronoyl esterases. <i>FEBS Letters</i> , 2007, 581, 4029-4035.   | 1.3 | 83        |
| 24 | 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        |
| 25 | 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        |
| 26 | Extracellular $\beta$ -glucanases of the yeast, <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1973, 321, 246-255.   | 1.4 | 79        |
| 27 | 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        |
| 28 | 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        |
| 29 | 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        |
| 30 | 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        |
| 31 | 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        |
| 32 | 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        |
| 33 | Structural basis for substrate recognition by <i>Erwinia chrysanthemi</i> GH30 glucuronoxylanase. <i>FEBS Journal</i> , 2011, 278, 2105-2116.   | 2.2 | 71        |
| 34 | 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        |
| 35 | A novel family of hemicellulolytic $\beta$ -glucuronidase. <i>FEBS Letters</i> , 2009, 583, 1457-1462.  | 1.3 | 68        |
| 36 | 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        |

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|----|--|-----|-----------|
| 37 | Xylanase <sc>XYN</sc>Â<sc>IV</sc> from <i>T</i>richodermaÂreesei</i> showing exo&#x2013;and endo&#x2013;xylanase activity. FEBS Journal, 2013, 280, 285-301.                               | 2.2 | 67        |
| 38 | Cellulose- and xylan-degrading enzymes of <i>Aspergillus terreus</i> and <i>Aspergillus niger</i> . Enzyme and Microbial Technology, 1989, 11, 610-616.                                    | 1.6 | 66        |
| 39 | Purification and characterization of Î±-galactosidase from a thermophilic fungus <i>Thermomyces lanuginosus</i> . Biochimica Et Biophysica Acta - General Subjects, 2000, 1524, 27-37.     | 1.1 | 66        |
| 40 | Antioxidant Potential of Hydroxycinnamic Acid Glycoside Esters. Journal of Agricultural and Food Chemistry, 2008, 56, 4797-4805.   | 2.4 | 66        |
| 41 | Some Properties of Extracellular Acetylxyylan Esterase Produced by the Yeast <i>Rhodotorula mucilaginosa</i>. Applied and Environmental Microbiology, 1987, 53, 2831-2834.                 | 1.4 | 66        |
| 42 | 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.           | 1.1 | 64        |
| 43 | 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        |
| 44 | Induction and Inducers of Endo-1,4-beta-xylanase in the Yeast <i>Cryptococcus albidus</i> . FEBS Journal, 1980, 108, 323-329.  | 0.2 | 62        |
| 45 | Purification and Properties of a Feruloyl Esterase Involved in Lignocellulose Degradation by <i>Aureobasidium pullulans</i> . Applied and Environmental Microbiology, 2003, 69, 5622-5626. | 1.4 | 61        |
| 46 | 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        |
| 47 | Novel Family of Carbohydrate Esterases, Based on Identification of the <i>Hypocrea jecorina</i> Acetyl Esterase Gene. Applied and Environmental Microbiology, 2008, 74, 7482-7489.         | 1.4 | 60        |
| 48 | 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        |
| 49 | Mode of action of three endo-Î²-1,4-xylanases of <i>Streptomyces lividans</i> . BBA - Proteins and Proteomics, 1993, 1162, 246-254.  | 2.1 | 56        |
| 50 | Inversion of configuration during hydrolysis of Î±-1,4-galacturonidic linkage by three <i>Aspergillus</i> polygalacturonases. FEBS Letters, 1996, 382, 249-255.                            | 1.3 | 55        |
| 51 | Novel media for detection of microbial producers of cellulase and xylanase. FEMS Microbiology Letters, 1985, 28, 137-140.  | 0.7 | 54        |
| 52 | Biochemical and catalytic properties of an endoxylanase purified from the culture filtrate of <i>Sporotrichum thermophile</i> . Carbohydrate Research, 2003, 338, 1881-1890.               | 1.1 | 54        |
| 53 | Phylogeny, classification and metagenomic bioprospecting of microbial acetyl xylan esterases. Enzyme and Microbial Technology, 2016, 93-94, 79-91.   | 1.6 | 54        |
| 54 | 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.   | 1.9 | 52        |



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|----|---|-----|-----------|
| 73 | Metabolism of 2-Deoxy-2-fluoro-d-[3H]glucose and 2-Deoxy-2-fluoro-d-[3H]mannose in Yeast and Chick-Embryo Cells. FEBS Journal, 1978, 87, 55-68.   | 0.2 | 42        |
| 74 | A Chromogenic Substrate for a $\beta$ -Xylosidase-Coupled Assay of $\beta$ -Glucuronidase. Analytical Biochemistry, 2000, 286, 289-294.   | 1.1 | 42        |
| 75 | Comparison of catalytic properties of multiple $\beta$ -glucosidases of <i>Trichoderma reesei</i> . Applied Microbiology and Biotechnology, 2016, 100, 4959-4968.   | 1.7 | 40        |
| 76 | Lysis of <i>Saccharomyces cerevisiae</i> with 2-Deoxy-2-Fluoro- $\beta$ -Glucose, an Inhibitor of the Cell Wall Glucan Synthesis. Journal of Bacteriology, 1973, 115, 1108-1120.                          | 1.0 | 40        |
| 77 | Substrate specificity of acetylxylan esterase from <i>Schizophyllum commune</i> : mode of action on acetylated carbohydrates. BBA - Proteins and Proteomics, 1996, 1298, 209-222.                         | 2.1 | 39        |
| 78 | Structural and Biochemical Characterization of Glycoside Hydrolase Family 79 $\beta$ -Glucuronidase from <i>Acidobacterium capsulatum</i> . Journal of Biological Chemistry, 2012, 287, 14069-14077.      | 1.6 | 39        |
| 79 | Purification and mechanistic characterisation of two polygalacturonases from <i>Sclerotium rolfsii</i> . Enzyme and Microbial Technology, 2007, 40, 1739-1747.  | 1.6 | 38        |
| 80 | Fungal Glucuronoyl Esterases and Substrate Uronic Acid Recognition. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2483-2487.  | 0.6 | 38        |
| 81 | Positional specificity of acetylxylan esterases on natural polysaccharide: An NMR study. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3365-3372.   | 1.1 | 38        |
| 82 | 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        |
| 83 | Structural characterization of hemicellulose released from corn cob in continuous flow type hydrothermal reactor. Journal of Bioscience and Bioengineering, 2019, 127, 222-230.                           | 1.1 | 37        |
| 84 | Synthetic esters recognized by glucuronoyl esterase from <i>Schizophyllum commune</i> . Archives of Microbiology, 2007, 188, 185-189.   | 1.0 | 36        |
| 85 | Metabolism of 2-deoxy-D-glucose by baker's yeast. I. Isolation and identification of phosphorylated esters of 2-deoxy-D-glucose. Collection of Czechoslovak Chemical Communications, 1967, 32, 1588-1594. | 1.0 | 36        |
| 86 | Substrate specificity and mode of action of acetylxylan esterase from <i>Streptomyces lividans</i> . FEBS Letters, 1996, 396, 257-260.  | 1.3 | 35        |
| 87 | Purification and characterization of two minor endo- $\beta$ -1,4-xylanases of <i>Schizophyllum commune</i> . Enzyme and Microbial Technology, 2005, 36, 903-910.   | 1.6 | 35        |
| 88 | Interaction of Concanavalin A with External Mannan-Proteins of <i>Saccharomyces cerevisiae</i> . Glycoprotein Nature of $\beta$ -Glucanases. FEBS Journal, 1976, 70, 75-81.                               | 0.2 | 34        |
| 89 | Effects of purified endo- $\beta$ -1,4-xylanases of family 10 and 11 and acetyl xylan esterases on eucalypt sulfite dissolving pulp. Journal of Biotechnology, 2000, 83, 231-244.                         | 1.9 | 34        |
| 90 | Carbohydrate esterases of family 2 are $\beta$ -deacetylases. FEBS Letters, 2010, 584, 543-548.   | 1.3 | 33        |

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| 91  | Novel inducers of the xylan-degrading enzyme system of <i>Cryptococcus albidus</i> . <i>Journal of Bacteriology</i> , 1984, 160, 408-412.  | 1.0 | 33        |
| 92  | Action of acetylxylan esterase from <i>Trichoderma reesei</i> on acetylated methyl glycosides. <i>FEBS Letters</i> , 1997, 420, 121-124.   | 1.3 | 32        |
| 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  | 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        |
| 95  | Uridine diphosphate 2-deoxyglucose. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1975, 381, 301-307.  | 1.1 | 29        |
| 96  | 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        |
| 97  | Biotechnological Potential and Production of Xylanolytic Systems Free of Cellulases. <i>ACS Symposium Series</i> , 1991, , 408-416.  | 0.5 | 29        |
| 98  | 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        |
| 99  | Xylanases of glycoside hydrolase family 30 – An overview. <i>Biotechnology Advances</i> , 2021, 47, 107704.  | 6.0 | 29        |
| 100 | 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        |
| 101 | Cellulose- and xylan-degrading yeasts: Enzymes, applications and biotechnological potential. <i>Biotechnology Advances</i> , 2022, 59, 107981.   | 6.0 | 28        |
| 102 | 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        |
| 103 | Glucuronoyl esterases are active on the polymeric substrate methyl esterified glucuronoxylan. <i>FEBS Letters</i> , 2015, 589, 2334-2339.  | 1.3 | 27        |
| 104 | The Glycoside Hydrolase Family 8 Reducing-End Xylose-Releasing Exo-oligoxyylanase 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        |
| 105 | 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        |
| 106 | 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        |
| 107 | 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        |
| 108 | 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        |

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|-----|--|-----|-----------|
| 109 | 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        |
| 110 | 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        |
| 111 | Enzyme-coupled assay of acetylxylan esterases on monoacetylated 4-nitrophenyl $\beta$ -d-xylopyranosides. <i>Analytical Biochemistry</i> , 2004, 332, 109-115.   | 1.1 | 25        |
| 112 | Structure of peanut shell xylan and its conversion to oligosaccharides. <i>Process Biochemistry</i> , 2018, 72, 124-129.   | 1.8 | 24        |
| 113 | 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        |
| 114 | Positional isomers of thioxylobiose, 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        |
| 115 | Production of extracellular $\beta$ -mannanases by yeasts and yeast-like microorganisms. <i>Folia Microbiologica</i> , 1996, 41, 43-47.  | 1.1 | 23        |
| 116 | Comparison of Catalytic Properties of Acetyl Xylan Esterases from Three Carbohydrate Esterase Families. <i>ACS Symposium Series</i> , 2003, , 211-229.   | 0.5 | 23        |
| 117 | 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        |
| 118 | Inverting character of family GH115 $\beta$ -glucuronidases. <i>FEBS Letters</i> , 2010, 584, 4063-4068.   | 1.3 | 23        |
| 119 | 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        |
| 120 | Induction and Inducers of the Pectolytic System in <i>Aureobasidium pullulans</i> . <i>Current Microbiology</i> , 1996, 33, 6-10.  | 1.0 | 22        |
| 121 | Synthesis and Hydrolysis of 1,3- $\beta$ -xylosidic Linkages by Endo- $\beta$ -1,4-xylanase of <i>Cryptococcus albidus</i> . <i>FEBS Journal</i> , 1983, 129, 645-651.                                 | 0.2 | 22        |
| 122 | Cell wall formation in yeast. <i>Archives of Microbiology</i> , 1973, 94, 365-371.   | 1.0 | 21        |
| 123 | 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        |
| 124 | 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        |
| 125 | <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        |
| 126 | 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        |



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|-----|---|-----|-----------|
| 127 | 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        |
| 128 | $\beta$ -xylosidases and a nonspecific wall-bound $\beta$ -glucosidase of the yeast <i>Cryptococcus albidus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1982, 716, 391-399.   | 1.1 | 20        |
| 129 | The role of the glucuronoxylan carboxyl groups in the action of endoxylanases 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        |
| 130 | Glucuronoyl esterases: diversity, properties and biotechnological potential. A review. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 1121-1136.  | 5.1 | 20        |
| 131 | Xylan from bambara and cowpea biomass and their structural elucidation. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 987-993.   | 3.6 | 20        |
| 132 | Incorporation of 2-deoxy-d-glucose into glycogen. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1968, 158, 487-488.   | 1.1 | 19        |
| 133 | Wall mannan of <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1975, 404, 1-6.  | 1.1 | 19        |
| 134 | Xylanase of <i>Cryptococcus albidus</i> . <i>Methods in Enzymology</i> , 1988, 160, 638-648.  | 0.4 | 19        |
| 135 | $\beta$ -Mannanolytic system of <i>Aureobasidium pullulans</i> . <i>Archives of Microbiology</i> , 1997, 167, 350-355.  | 1.0 | 19        |
| 136 | Deoxy and deoxyfluoro analogues of acetylated methyl $\beta$ -d-xylopyranoside as substrates for acetylxylan esterases. <i>Carbohydrate Research</i> , 2004, 339, 2101-2110.  | 1.1 | 19        |
| 137 | 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        |
| 138 | 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        |
| 139 | Action of different types of endoxylanases on eucalyptus xylan in situ. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1725-1736.   | 1.7 | 19        |
| 140 | The active site of an acidic endo-1,4- $\beta$ -xylanase of <i>Aspergillus niger</i> . <i>BBA - Proteins and Proteomics</i> , 1983, 743, 155-161.   | 2.1 | 18        |
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