Andrew J Mort

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7205501/publications.pdf

Version: 2024-02-01

41 papers	2,611 citations	279798 23 h-index	276875 41 g-index
42 all docs	42 docs citations	42 times ranked	2270 citing authors

#	Article	IF	Citations
1	An unambiguous nomenclature for xyloglucan-derived oligosaccharides. Physiologia Plantarum, 1993, 89, 1-3.	5.2	504
2	Anhydrous hydrogen fluoride deglycosylates glycoproteins. Analytical Biochemistry, 1977, 82, 289-309.	2.4	402
3	Development and application of a suite of polysaccharide-degrading enzymes for analyzing plant cell walls. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11417-11422.	7.1	300
4	Problems encountered during the extraction, purification, and chromatography of pectic fragments, and some solutions to them. Carbohydrate Research, 1991, 215, 219-227.	2.3	123
5	The acetylation of O-3 of galacturonic acid in the rhamnose-rich portion of pectins. Carbohydrate Research, 1989, 189, 261-272.	2.3	106
6	Structure of amylovoran, the capsular exopolysaccharide from the fire blight pathogen Erwinia amylovora. Carbohydrate Research, 1996, 287, 59-76.	2.3	104
7	Recovery of methylated saccharides from methylation reaction mixtures using Sep-Pak C18 cartridges. Analytical Biochemistry, 1983, 133, 380-384.	2.4	90
8	A time course analysis of the extracellular proteome of Aspergillus nidulans growing on sorghum stover. Biotechnology for Biofuels, 2012, 5, 52.	6.2	81
9	Scarcity or complete lack of single rhamnose residues interspersed within the homogalacturonan regions of citrus pectin. Carbohydrate Research, 1998, 308, 373-380.	2.3	75
10	NMR studies of molecular structure in fruit cuticle polyesters. Phytochemistry, 2001, 57, 1035-1042.	2.9	74
11	An unambiguous nomenclature for xyloglucan-derived oligosaccharides. Physiologia Plantarum, 1993, 89, 1-3.	5.2	65
12	A family of AA9 lytic polysaccharide monooxygenases in Aspergillus nidulans is differentially regulated by multiple substrates and at least one is active on cellulose and xyloglucan. Applied Microbiology and Biotechnology, 2016, 100, 4535-4547.	3.6	63
13	Cloning, expression, and characterization of an oligoxyloglucan reducing end-specific xyloglucanobiohydrolase from Aspergillus nidulans. Carbohydrate Research, 2005, 340, 2590-2597.	2.3	60
14	Separation of 8-aminonaphthalene-1,3,6-trisulfonate (ANTS)-labeled oligomers containing galacturonic acid by capillary electrophoresis: Application to determining the substrate specificity of endopolygalacturonases. Electrophoresis, 1996, 17, 379-383.	2.4	53
15	Detection and identification of rhamnogalacturonan lyase activity in intercellular spaces of expanding cotton cotyledons. Plant Journal, 2007, 50, 95-107.	5.7	46
16	Structure of xylogalacturonan fragments from watermelon cell-wall pectin. Endopolygalacturonase can accommodate a xylosyl residue on the galacturonic acid just following the hydrolysis site. Carbohydrate Research, 2008, 343, 1212-1221.	2.3	44
17	Amino Acid Sequence of Wheat Flour Arabinogalactan-Peptide, Identical to Part of Grain Softness Protein GSP-1, Leads to Improved Structural Model. Cereal Chemistry, 2002, 79, 329-331.	2.2	36
18	Xylan decomposition by Aspergillus clavatus endo-xylanase. Protein Expression and Purification, 2009, 68, 65-71.	1.3	33

#	Article	IF	Citations
19	Detection and differentiation of pectic enzyme activityin vitro andin vivo by capillary electrophoresis of products from fluorescent-labeled substrate. Electrophoresis, 1996, 17, 372-378.	2.4	31
20	Phanerochaete chrysosporium produces a diverse array of extracellular enzymes when grown on sorghum. Applied Microbiology and Biotechnology, 2012, 93, 2075-2089.	3.6	29
21	Characterization of Root Hair Cell Walls as Potential Barriers to the Infection of Plants by Rhizobia. Plant Physiology, 1988, 86, 638-641.	4.8	27
22	Isolation and Identification of Oligomers from Partial Degradation of Lime Fruit Cutin. Journal of Agricultural and Food Chemistry, 2008, 56, 10318-10325.	5.2	27
23	Isolation and structural characterization of a novel oligosaccharide from the rhamnogalacturonan of Gossypium hirsutum L.. Carbohydrate Research, 2008, 343, 1041-1049.	2.3	26
24	Do Lytic Polysaccharide Monooxygenases Aid in Plant Pathogenesis and Herbivory?. Trends in Plant Science, 2021, 26, 142-155.	8.8	26
25	Characterization of a New Glyoxal Oxidase from the Thermophilic Fungus Myceliophthora thermophila M77: Hydrogen Peroxide Production Retained in 5-Hydroxymethylfurfural Oxidation. Catalysts, 2018, 8, 476.	3.5	24
26	Partial characterization of xylogalacturonans from cell walls of ripe watermelon fruit: inhibition of endopolygalacturonase activity by xylosylation. Progress in Biotechnology, 1996, 14, 79-88.	0.2	23
27	Identification of the Abundant Hydroxyproline-Rich Glycoproteins in the Root Walls of Wild-Type Arabidopsis, an ext3 Mutant Line, and Its Phenotypic Revertant. Plants, 2015, 4, 85-111.	3.5	21
28	An AA9-LPMO containing a CBM1 domain in Aspergillus nidulans is active on cellulose and cleaves cello-oligosaccharides. AMB Express, 2018, 8, 171.	3.0	21
29	Structural analysis of the O-antigen of Francisella tularensis subspecies tularensis strain OSU 10. Journal of Medical Microbiology, 2005, 54, 693-695.	1.8	16
30	Changes in homogalacturonans and enzymes degrading them during cotton cotyledon expansion. Phytochemistry, 2007, 68, 1094-1103.	2.9	14
31	Structure of a Rhamnogalacturonan Fragment from Apple Pectin: Implications for Pectin Architecture. International Journal of Carbohydrate Chemistry, 2014, 2014, 1-6.	1.5	13
32	A computer-controlled variable light attenuator for protection and autoranging of a laser-induced fluorescence detector for capillary zone electrophoresis. Electrophoresis, 1998, 19, 2239-2242.	2.4	11
33	Enzymatic activity and substrate specificity of the recombinant tomato Î²-galactosidase 1. Journal of Plant Physiology, 2014, 171, 1454-1460.	3.5	11
34	Plant-Expressed Recombinant Mountain Cedar Allergen Jun a 1 Is Allergenic and Has Limited Pectate Lyase Activity. International Archives of Allergy and Immunology, 2010, 153, 347-358.	2.1	8
35	Use of scavenger beads to remove excess labeling reagents from capillary zone electrophoresis samples. Electrophoresis, 1998, 19, 2129-2132.	2.4	5
36	l-Altruronic acid formed by epimerization of d-galacturonic acid methyl esters during saponification of citrus pectin. Carbohydrate Research, 2001, 330, 357-363.	2.3	5

#	Article	IF	Citations
37	Extensins at the front line of plant defence. A commentary on: â€˜Extensin arabinosylation is involved in root response to elicitors and limits oomycete colonizationâ€™. Annals of Botany, 2020, 125, vii-viii.	2.9	5
38	Characterization of a methyl-esterified tetragalacturonide fragment isolated from a commercial pectin with a medium degree of methyl-esterification. Carbohydrate Research, 2013, 380, 108-111.	2.3	4
39	Capillary Electrophoresis with Detection by Laser-Induced Fluorescence. Methods in Molecular Biology, 2011, 715, 93-102.	0.9	2
40	ChIP-Seq Analysis for Identifying Genome-Wide Histone Modifications Associated with Stress-Responsive Genes in Plants. Methods in Molecular Biology, 2017, 1631, 139-149.	0.9	2
41	Capillary Electrophoresis with Detection by Laser-Induced Fluorescence. Methods in Molecular Biology, 2020, 2149, 45-56.	0.9	1