Stephen C Fry

List of Publications by Year
in descending order

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190	14,307	18465 62	22147 113
papers	citations	h-index	g-index

200	200	200	9099
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and Function of the Primary Cell Walls of Plants. Annual Review of Biochemistry, 1984, 53, 625-663.	5.0	949
2	The XTH Family of Enzymes Involved in Xyloglucan Endotransglucosylation and Endohydrolysis: Current Perspectives and a New Unifying Nomenclature. Plant and Cell Physiology, 2002, 43, 1421-1435.	1.5	679
3	Oxidative scission of plant cell wall polysaccharides by ascorbate-induced hydroxyl radicals. Biochemical Journal, 1998, 332, 507-515.	1.7	512
4	An unambiguous nomenclature for xyloglucan-derived oligosaccharides. Physiologia Plantarum, 1993, 89, 1-3.	2.6	504
5	Primary cell wall metabolism: tracking the careers of wall polymers in living plant cells. New Phytologist, 2004, 161, 641-675.	3.5	412
6	Primary Cell Wall Composition of Bryophytes and Charophytes. Annals of Botany, 2003, 91, 1-12.	1.4	410
7	The Structure and Functions of Xyloglucan. Journal of Experimental Botany, 1989, 40, 1-11.	2.4	391
8	In Vivo Cell Wall Loosening by Hydroxyl Radicals during Cress Seed Germination and Elongation Growth Â Â. Plant Physiology, 2009, 150, 1855-1865.	2.3	346
9	Feruloylated pectins from the primary cell wall: their structure and possible functions. Planta, 1983, 157, 111-123.	1.6	291
10	Cellulases, hemicelluloses and auxin-stimulated growth: a possible relationship. Physiologia Plantarum, 1989, 75, 532-536.	2.6	287
11	Vitamin C degradation in plant cells via enzymatic hydrolysis of 4-O-oxalyl-l-threonate. Nature, 2005, 433, 83-87.	13.7	256
12	Polysaccharide-Modifying Enzymes in the Plant Cell Wall. Annual Review of Plant Biology, 1995, 46, 497-520.	14.2	252
13	XTH31, Encoding an in Vitro XEH/XET-Active Enzyme, Regulates Aluminum Sensitivity by Modulating in Vivo XET Action, Cell Wall Xyloglucan Content, and Aluminum Binding Capacity in Arabidopsis. Plant Cell, 2012, 24, 4731-4747.	3.1	235
14	In Vivo Colocalization of Xyloglucan Endotransglycosylase Activity and Its Donor Substrate in the Elongation Zone of Arabidopsis Roots. Plant Cell, 2000, 12, 1229-1237.	3.1	200
15	Xyloglucan Oligosaccharides Promote Growth and Activate Cellulase: Evidence for a Role of Cellulase in Cell Expansion. Plant Physiology, 1990, 93, 1042-1048.	2.3	187
16	Phenolic Components of the Plant Cell Wall. International Review of Cytology, 1994, 151, 229-267.	6.2	181
17	Evidence for covalent linkage between xyloglucan and acidic pectins in suspension-cultured rose cells. Planta, 2000, 211, 275-286.	1.6	173
18	Biochemistry and physiological roles of enzymes that â€˜cut and pasteâ€™ plant cell-wall polysaccharides. Journal of Experimental Botany, 2013, 64, 3519-3550.	2.4	168

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19	Ultraviolet radiation drives methane emissions from terrestrial plant pectins. New Phytologist, 2008, 180, 124-132.	3.5	166
20	Xyloglucanâ˜'pectin linkages are formed intra-protoplasmically, contribute to wall-assembly, and remain stable in the cell wall. Planta, 2008, 227, 781-794.	1.6	164
21	Intraprotoplasmic and wall-localised formation of arabinoxylan-bound diferulates and larger ferulate coupling-products in maize cell-suspension cultures. Planta, 2000, 211, 679-692.	1.6	161
22	Mixedâ€linkage (1â†'3,1â†'4)â€Î²â€<scp>d</scp>â€glucan is a major hemicellulose of Equisetum (horsetail) cell walls. New Phytologist, 2008, 179, 104-115.	3.5	158
23	Xyloglucan Endotransglycosylase Activity, Microfibril Orientation and the Profiles of Cell Wall Properties Along Growing Regions of Maize Roots. Journal of Experimental Botany, 1993, 44, 1281-1289.	2.4	155
24	Restructuring of wall-bound xyloglucan by transglycosylation in living plant cells. Plant Journal, 2001, 26, 23-34.	2.8	147
25	Enzymic characterization of two recombinant xyloglucan endotransglucosylase/hydrolase (XTH) proteins of Arabidopsis and their effect on root growth and cell wall extension. Journal of Experimental Botany, 2009, 60, 3959-3972.	2.4	145
26	Root Hair Initiation Is Coupled to a Highly Localized Increase of Xyloglucan Endotransglycosylase Action in Arabidopsis Roots. Plant Physiology, 2001, 127, 1125-1135.	2.3	140
27	Structure-Activity Relationships for Xyloglucan Oligosaccharides with Antiauxin Activity. Plant Physiology, 1989, 89, 883-887.	2.3	139
28	Widespread Occurrence of a Covalent Linkage Between Xyloglucan and Acidic Polysaccharides in Suspension-cultured Angiosperm Cells. Annals of Botany, 2005, 96, 91-99.	1.4	134
29	Solubilisation of tomato fruit pectins by ascorbate: a possible non-enzymic mechanism of fruit softening. Planta, 2003, 217, 951-961.	1.6	130
30	Patterns of methyl and O-acetyl esterification in spinach pectins. Phytochemistry, 2002, 60, 67-77.	1.4	126
31	Fingerprinting of polysaccharides attacked by hydroxyl radicals in vitro and in the cell walls of ripening pear fruit. Biochemical Journal, 2001, 357, 729-737.	1.7	125
32	Inhibition of auxin-stimulated growth of pea stem segments by a specific nonasaccharide of xyloglucan. Planta, 1988, 175, 412-416.	1.6	124
33	The role of ultraviolet radiation, photosensitizers, reactive oxygen species and ester groups in mechanisms of methane formation from pectin. Plant, Cell and Environment, 2009, 32, 1-9.	2.8	123
34	Glycosylinositol phosphorylceramides from Rosa cell cultures are boronâ€bridged in the plasma membrane and form complexes with rhamnogalacturonan <scp>II</scp>. Plant Journal, 2014, 79, 139-149.	2.8	117
35	Primary cell wall composition of pteridophytes and spermatophytes. New Phytologist, 2004, 164, 165-174.	3.5	111
36	Di-isodityrosine, a novel tetrametric derivative of tyrosine in plant cell wall proteins: a new potential cross-link. Biochemical Journal, 1996, 315, 323-327.	1.7	104

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37	Mixedâ€linkage Î²â€glucanâ€ƒ:â€ƒxyloglucan endotransglucosylase, a novel wallâ€remodelling enzyme from Equisetum (horsetails) and charophytic algae. Plant Journal, 2008, 55, 240-252.	2.8	100
38	Oligosaccharins. Advances in Botanical Research, 1993, 19, 1-101.	0.5	95
39	2-O-Î²-d-xylopyranosyl-(5-O-feruloyl)-l-arabinose, a widespread component of grass cell walls. Phytochemistry, 1997, 44, 1019-1030.	1.4	93
40	Novel 'dot-blot' assays for glycosyltransferases and glycosylhydrolases: optimization for xyloglucan endotransglycosylase (XET) activity. Plant Journal, 1997, 11, 1141-1150.	2.8	88
41	XTH acts at the microfibril-matrix interface during cell elongation. Journal of Experimental Botany, 2005, 56, 673-683.	2.4	88
42	A proposed role for copper ions in cell wall loosening. Plant and Soil, 2002, 247, 57-67.	1.8	86
43	A Brief and Informationally Rich Naming System for Oligosaccharide Motifs of Heteroxylans Found in Plant Cell Walls. Australian Journal of Chemistry, 2009, 62, 533.	0.5	84
44	Fingerprinting of polysaccharides attacked by hydroxyl radicals in vitro and in the cell walls of ripening pear fruit. Biochemical Journal, 2001, 357, 729.	1.7	80
45	Action of diverse peroxidases and laccases on six cell wall-related phenolic compounds. Phytochemistry, 1999, 52, 769-773.	1.4	79
46	Gibberellin-controlled pectinic acid and protein secretion in growing cells. Phytochemistry, 1980, 19, 735-740.	1.4	78
47	Pulcherosine, an oxidatively coupled trimer of tyrosine in plant cell walls: Its role in cross-link formation. Phytochemistry, 1998, 47, 349-353.	1.4	78
48	Xyloglucan oligosaccharides with at least two alpha-d-xylose residues act as acceptor substrates for xyloglucan endotransglycosylase and promote the depolymerisation of xyloglucan. Physiologia Plantarum, 1993, 88, 105-112.	2.6	77
49	Uronic acid-containing oligosaccharins: Their biosynthesis, degradation and signalling roles in non-diseased plant tissues. Plant Physiology and Biochemistry, 2000, 38, 125-140.	2.8	75
50	Differences in enzymic properties of five recombinant xyloglucan endotransglucosylase/hydrolase (XTH) proteins of Arabidopsis thaliana. Journal of Experimental Botany, 2011, 62, 261-271.	2.4	75
51	Intracellular feruloylation of pectic polysaccharides. Planta, 1987, 171, 205-211.	1.6	74
52	O-feruloylated, O-acetylated oligosaccharides as side-chains of grass xylans. Phytochemistry, 1997, 44, 1011-1018.	1.4	73
53	Radioisotope ratios discriminate between competing pathways of cell wall polysaccharide and RNA biosynthesis in living plant cells. Plant Journal, 2007, 52, 252-262.	2.8	70
54	Incorporation of [14C]cinnamate into hydrolase-resistant components of the primary cell wall of spinach. Phytochemistry, 1984, 23, 59-64.	1.4	68

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55	Oxidative coupling of tyrosine and ferulic acid residues: Intra- and extra-protoplasmic occurrence, predominance of trimers and larger products, and possible role in inter-polymeric cross-linking. Phytochemistry Reviews, 2004, 3, 97-111.	3.1	68
56	InVivo Release of 14C-Labelled Phenolic Groups from Intact Dietary Spinach Cell Walls During Passage Through the Rat Intestine. Journal of the Science of Food and Agriculture, 1996, 71, 459-469.	1.7	67
57	Xyloglucan nonasaccharide, a naturally-occurring oligosaccharin, arises in vivo by polysaccharide breakdown. Journal of Plant Physiology, 1991, 137, 332-336.	1.6	66
58	Implication of persimmon fruit hemicellulose metabolism in the softening process. Importance of xyloglucan endotransglycosylase. Physiologia Plantarum, 1994, 91, 169-176.	2.6	66
59	Boron bridging of rhamnogalacturonanâ€<scp>II</scp>, monitored by gel electrophoresis, occurs during polysaccharide synthesis and secretion but not postâ€secretion. Plant Journal, 2014, 77, 534-546.	2.8	66
60	Synthesis and Use of Stable-Isotope-Labeled Internal Standards for Quantification of Phosphorylated Metabolites by LCâ€“MS/MS. Analytical Chemistry, 2015, 87, 6896-6904.	3.2	66
61	Gibberellin-sensitive Suspension Cultures. Plant Physiology, 1980, 65, 472-477.	2.3	65
62	Characteristics of xyloglucan after attack by hydroxyl radicals. Carbohydrate Research, 2001, 332, 389-403.	1.1	65
63	Effect of ascorbate and its oxidation products on H2O2 production in cell-suspension cultures of Picea abies and in the absence of cells. Journal of Experimental Botany, 2006, 57, 1633-1644.	2.4	65
64	An unambiguous nomenclature for xyloglucan-derived oligosaccharides. Physiologia Plantarum, 1993, 89, 1-3.	2.6	65
65	In vivo Degradation and Extracellular Polymer-Binding of Xyloglucan Nonasaccharide, a Naturally-Occurring Anti-Auxin. Journal of Plant Physiology, 1989, 134, 453-459.	1.6	64
66	UDP-glucose dehydrogenases of maize: a role in cell wall pentose biosynthesis. Biochemical Journal, 2005, 391, 409-415.	1.7	62
67	Changes in xyloglucan endotransglycosylase (XET) activity during hormone-induced growth in lettuce and cucumber hypocotyls and spinach veil suspension cultures. Journal of Experimental Botany, 1994, 45, 1703-1710.	2.4	60
68	Pre-formed xyloglucans and xylans increase in molecular weight in three distinct compartments of a maize cell-suspension culture. Planta, 2003, 217, 327-339.	1.6	60
69	The oxidation of dehydroascorbic acid and 2,3-diketogulonate by distinct reactive oxygen species. Biochemical Journal, 2018, 475, 3451-3470.	1.7	60
70	Anti-Auxin Activity of Xyloglucan Oligosaccharides: the RÃ1e of Groups other than the Terminal Î±-L-Fucose Residue. Journal of Experimental Botany, 1989, 40, 233-238.	2.4	59
71	ZmXTH1, a new xyloglucan endotransglucosylase/hydrolase in maize, affects cell wall structure and composition in Arabidopsis thaliana*. Journal of Experimental Botany, 2008, 59, 875-889.	2.4	57
72	Oxidation of dehydroascorbic acid and 2,3-diketogulonate under plant apoplastic conditions. Phytochemistry, 2012, 75, 41-49.	1.4	57

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73	Oxidative coupling of a feruloyl-arabinoxylan trisaccharide (FAXX) in the walls of living maize cells requires endogenous hydrogen peroxide and is controlled by a low-Mr apoplastic inhibitor. Planta, 2005, 223, 77-89.	1.6	56
74	Phylogenetic variation in glycosidases and glycanases acting on plant cell wall polysaccharides, and the detection of transglycosidase and transâ€Î²â€xylanase activities. Plant Journal, 2011, 67, 662-681.	2.8	56
75	Pectic polysaccharides are attacked by hydroxyl radicals in ripening fruit: evidence from a fluorescent fingerprinting method. Annals of Botany, 2016, 117, 441-455.	1.4	55
76	Alternative pathways of dehydroascorbic acid degradation in vitro and in plant cell cultures: novel insights into vitamin C catabolism. Biochemical Journal, 2011, 440, 375-385.	1.7	52
77	Extracellular cross-linking of xylan and xyloglucan in maize cell-suspension cultures: the role of oxidative phenolic coupling. Planta, 2004, 219, 73-83.	1.6	51
78	Ascorbate degradation in tomato leads to accumulation of oxalate, threonate and oxalyl threonate. Plant Journal, 2017, 89, 996-1008.	2.8	51
79	Higher expression of the strawberry xyloglucan endotransglucosylase/hydrolase genes Fv<scp>XTH</scp>9 and Fv<scp>XTH</scp>6 accelerates fruit ripening. Plant Journal, 2019, 100, 1237-1253.	2.8	51
80	Formation of Isodityrosine by Peroxidase Isozymes. Journal of Experimental Botany, 1987, 38, 853-862.	2.4	50
81	Ten isoenzymes of xyloglucan endotransglycosylase from plant cell walls select and cleave the donor substrate stochastically. Biochemical Journal, 2001, 355, 671-679.	1.7	49
82	Heteroâ€transâ€Î²â€glucanase, an enzyme unique to Equisetum plants, functionalizes cellulose. Plant Journal, 2015, 83, 753-769.	2.8	49
83	Solubilization of Covalently Bound Extensin from Capsicum Cell Walls. Plant Physiology, 1990, 92, 197-204.	2.3	47
84	Sugar composition of the pectic polysaccharides of charophytes, the closest algal relatives of land-plants: presence of 3-O-methyl-d-galactose residues. Annals of Botany, 2015, 116, 225-236.	1.4	47
85	Sugar-Nucleotide Precursors of Arabinopyranosyl, Arabinofuranosyl, and Xylopyranosyl Residues in Spinach Polysaccharides. Plant Physiology, 1983, 73, 1055-1061.	2.3	46
86	Change in XET activities, cell wall extensibility and hypocotyl elongation of soybean seedlings at low water potential. Planta, 2005, 220, 593-601.	1.6	45
87	Effect of Cellulose Synthesis Inhibition on Growth and the Integration of Xyloglucan into Pea Internode Cell Walls. Plant Physiology, 1992, 100, 993-997.	2.3	43
88	Degradation and metabolism of14C-labelled proanthocyanidins from carob (Ceratonia siliqua) pods in the gastrointestinal tract of the rat. Journal of the Science of Food and Agriculture, 2001, 81, 1156-1165.	1.7	43
89	Control of diferulate formation in dicotyledonous and gramineous cell-suspension cultures. Planta, 2007, 227, 439-452.	1.6	43
90	Factors that affect the extraction of xyloglucan from the primary cell walls of suspension-cultured rose cells. Carbohydrate Research, 1992, 228, 423-431.	1.1	42

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91	In vitro peroxidase-catalysed oxidation of ferulic acid esters. Phytochemistry, 1995, 39, 1293-1299.	1.4	41
92	Differences in catalytic properties between native isoenzymes of xyloglucan endotransglycosylase (XET). Phytochemistry, 2000, 54, 667-680.	1.4	41
93	Boron bridging of rhamnogalacturonanâ€II is promoted inÂvitro byÂcationic chaperones, including polyhistidine and wall glycoproteins. New Phytologist, 2016, 209, 241-251.	3.5	41
94	Xylogliicae- and cello-oligosaccharides: Antagonists of the growth-promoting effect of H+. Physiologia Plantarum, 1990, 80, 109-113.	2.6	38
95	3-O-Methyl-d-galactose residues in lycophyte primary cell walls. Phytochemistry, 2001, 57, 711-719.	1.4	38
96	Toward a Working Model of the Growing Plant Cell Wall. ACS Symposium Series, 1989, , 33-46.	0.5	37
97	Control of xyloglucan endotransglucosylase activity by salts and anionic polymers. Planta, 2004, 219, 722-32.	1.6	37
98	Why are Chloris gayana leaves shorter in salt-affected plants? Analyses in the elongation zone. Journal of Experimental Botany, 2006, 57, 3945-3952.	2.4	36
99	Extracellular crossâ€linking of maize arabinoxylans by oxidation of feruloyl esters to form oligoferuloyl esters and etherâ€like bonds. Plant Journal, 2009, 58, 554-567.	2.8	36
100	Evolution of mixed-linkage (1 â†' 3, 1 â†' 4)-Î²-d-glucan (MLG) and xyloglucan in Equisetum (horsetails) and other monilophytes. Annals of Botany, 2012, 109, 873-886.	1.4	36
101	Novel insights into ascorbate retention and degradation during the washing and post-harvest storage of spinach and other salad leaves. Food Chemistry, 2017, 233, 237-246.	4.2	36
102	On the mechanism of apoplastic H2O2 production during lignin formation and elicitation in cultured spruce cellsâ€"peroxidases after elicitation. Planta, 2009, 230, 553-567.	1.6	35
103	Distinct catalytic capacities of two aluminium-repressed Arabidopsis thaliana xyloglucan endotransglucosylase/hydrolases, XTH15 and XTH31, heterologously produced in Pichia. Phytochemistry, 2015, 112, 160-169.	1.4	35
104	[2-3H]Mannose Incorporation in Cultured Plant Cells: Investigation of L-Galactose Residues of the Primary Cell Wall. Journal of Plant Physiology, 1988, 132, 484-490.	1.6	33
105	Feruloylated Arabinoxylans Are Oxidatively Cross-Linked by Extracellular Maize Peroxidase but Not by Horseradish Peroxidase. Molecular Plant, 2009, 2, 883-892.	3.9	33
106	Hetero-trans-Î²-Glucanase Produces Celluloseâ€"Xyloglucan Covalent Bonds in the Cell Walls of Structural Plant Tissues and Is Stimulated by Expansin. Molecular Plant, 2020, 13, 1047-1062.	3.9	33
107	MUR1â€mediated cellâ€wall fucosylation is required for freezing tolerance in Arabidopsis thaliana. New Phytologist, 2019, 224, 1518-1531.	3.5	32
108	3-O-Methylrhamnose in lower land plant primary cell walls. Biochemical Systematics and Ecology, 2004, 32, 279-289.	0.6	31

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109	Mixedâ€linkage glucan:xyloglucan endotransglucosylase (<scp>MXE</scp>) reâ€models hemicelluloses in <scp>E</scp>quisetum shoots but not in barley shoots or <scp>E</scp>quisetum callus. New Phytologist, 2013, 197, 111-122.	3.5	31
110	A Trihelix Family Transcription Factor Is Associated with Key Genes in Mixed-Linkage Glucan Accumulation. Plant Physiology, 2018, 178, 1207-1221.	2.3	31
111	Gentiobiose: a novel oligosaccharin in ripening tomato fruit. Planta, 2003, 216, 484-495.	1.6	30
112	Drought and Heat Differentially Affect XTH Expression and XET Activity and Action in 3-Day-Old Seedlings of Durum Wheat Cultivars with Different Stress Susceptibility. Frontiers in Plant Science, 2016, 7, 1686.	1.7	30
113	Fucosylated Xyloglucan in Suspension-Cultured Cells of the Graminaceous Monocotyledon, Festuca arundinacea. Journal of Plant Physiology, 1994, 143, 591-595.	1.6	29
114	Modification of cell wall properties in lettuce improves shelf life. Journal of Experimental Botany, 2010, 61, 1239-1248.	2.4	28
115	Fingerprinting of hydroxyl radical-attacked polysaccharides by N-isopropyl-2-aminoacridone labelling. Biochemical Journal, 2014, 463, 225-237.	1.7	28
116	Kinetics of Integration of Xyloglucan into the Walls of Suspension-Cultured Rose Cells. Journal of Experimental Botany, 1992, 43, 463-470.	2.4	27
117	Screening of Arabidopsis thaliana stems for variation in cell wall polysaccharides. Phytochemistry, 2002, 60, 241-254.	1.4	27
118	Reactive oxygen speciesâ€induced release of intracellular ascorbate in plant cellâ€suspension cultures and evidence for pulsing of net release rate. New Phytologist, 2010, 187, 332-342.	3.5	26
119	Potent endogenous allelopathic compounds in Lepidium sativum seed exudate: effects on epidermal cell growth in Amaranthus caudatus seedlings. Journal of Experimental Botany, 2012, 63, 2595-2604.	2.4	26
120	Metabolites of 2,3-diketogulonate delay peroxidase action and induce non-enzymic H 2 O 2 generation: Potential roles in the plant cell wall. Archives of Biochemistry and Biophysics, 2017, 620, 12-22.	1.4	24
121	Ancient origin of fucosylated xyloglucan in charophycean green algae. Communications Biology, 2021, 4, 754.	2.0	24
122	Absolute measurement of cell expansion in plant cell suspension cultures. Plant Cell, Tissue and Organ Culture, 1991, 24, 211-215.	1.2	23
123	Purification of xyloglucan endotransglycosylases (XETs): a generally applicable and simple method based on reversible formation of an enzymeâ€“substrate complex. Biochemical Journal, 1999, 340, 207-211.	1.7	23
124	Transâ€Î±â€xylosidase and transâ€Î²â€galactosidase activities, widespread in plants, modify and stabilize xyloglucan structures. Plant Journal, 2012, 71, 45-60.	2.8	23
125	High-Voltage Paper Electrophoresis (HVPE) of Cell-Wall Building Blocks and Their Metabolic Precursors. Methods in Molecular Biology, 2011, 715, 55-80.	0.4	22
126	The preparation and susceptibility to hydrolysis of novel O-galacturonoyl derivatives of carbohydrates. Carbohydrate Research, 1993, 240, 95-106.	1.1	21

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127	Anionic derivatives of xyloglucan function as acceptor but not donor substrates for xyloglucan endotransglucosylase activity. Planta, 2008, 227, 893-905.	1.6	21
128	Dietary Supplementation with Soluble Plantain Non-Starch Polysaccharides Inhibits Intestinal Invasion of Salmonella Typhimurium in the Chicken. PLoS ONE, 2014, 9, e87658.	1.1	21
129	NÎ±- and NÎµ-d-galacturonoyl-l-lysine amides: Properties and possible occurrence in plant cell walls. Phytochemistry, 1998, 49, 1879-1890.	1.4	20
130	Biosynthetic origin and longevity in vivo of Î±- d -mannopyranosyl-(1 â†' 4)-Î±- d -glucuronopyranosyl-(1 â†' 2)-myo -inositol, an unusual extracellular oligosaccharide produced by cultured rose cells. Planta, 1999, 210, 150-156.	1.6	20
131	Trans-Î±-xylosidase, a widespread enzyme activity in plants, introduces (1â†'4)-Î±-d-xylobiose side-chains into xyloglucan structures. Phytochemistry, 2012, 78, 29-43.	1.4	20
132	Digestion by fungal glycanases of arabinoxylans with different feruloylated side-chains. Phytochemistry, 1997, 45, 1123-1129.	1.4	19
133	Purification of xyloglucan endotransglycosylases (XETs): a generally applicable and simple method based on reversible formation of an enzymeâ€'substrate complex. Biochemical Journal, 1999, 340, 207.	1.7	19
134	Do polyamines contribute to plant cell wall assembly by forming amide bonds with pectins?. Phytochemistry, 2005, 66, 2581-2594.	1.4	19
135	Rhamnogalacturonan-IIâ€"a biologically active fragment. Journal of Experimental Botany, 1994, 45, 287-293.	2.4	18
136	Dithiothreitol and cobalt effects on membrane-associated peroxidases oxidizing feruloyl-CoA. Phytochemistry, 1995, 38, 573-577.	1.4	18
137	The longevity of biologically-active oligogalacturonides in rose cell cultures: degradation by exo-polygalacturonase. Journal of Experimental Botany, 1995, 46, 1853-1857.	2.4	18
138	Rhamnogalacturonan-II cross-linking of plant pectins via boron bridges occurs during polysaccharide synthesis and/or secretion. Plant Signaling and Behavior, 2014, 9, e28169.	1.2	18
139	Visualization of the activity of xyloglucan endotransglycosylase (XET) isoenzymes after gel electrophoresis. Phytochemical Analysis, 1999, 10, 238-240.	1.2	17
140	Novel characteristics of UDP-glucose dehydrogenase activities in maize: non-involvement of alcohol dehydrogenases in cell wall polysaccharide biosynthesis. Planta, 2006, 223, 858-870.	1.6	17
141	O-Oligosaccharidyl-1-amino-1-deoxyalditols as intermediates for fluorescent labelling of oligosaccharides. Carbohydrate Research, 2007, 342, 44-54.	1.1	17
142	An unexpectedly lichenase-stable hexasaccharide from cereal, horsetail and lichen mixed-linkage Î²-glucans (MLGs): Implications for MLG subunit distribution. Phytochemistry, 2013, 95, 322-332.	1.4	17
143	Xyloglucan endotransglucosylase/hydrolases (XTHs) are inactivated by binding to glass and cellulosic surfaces, and released in active form by a heat-stable polymer from cauliflower florets. Journal of Plant Physiology, 2017, 218, 135-143.	1.6	16
144	Production and harvesting of ionically wall-bound extensin from living cell suspension cultures. Plant Cell, Tissue and Organ Culture, 1992, 31, 61-66.	1.2	15

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145	Absence of transglycosylation with oligogalacturonides in plant cells. Phytochemistry, 1993, 35, 67-72.	1.4	15
146	Î±- d -Glucuronosyl-(1â†'3)- l -galactose, an unusual disaccharide from polysaccharides of the hornwort Anthoceros caucasicus. Phytochemistry, 2003, 64, 325-335.	1.4	15
147	The pectic disaccharides lepidimoic acid and Î²-d-xylopyranosyl-(1â†'3)-d-galacturonic acid occur in cress-seed exudate but lack allelochemical activity. Annals of Botany, 2016, 117, 607-623.	1.4	15
148	Bonds broken and formed during the mixed-linkage glucan : xyloglucan endotransglucosylase reaction catalysed by Equisetum hetero-trans-Î²-glucanase. Biochemical Journal, 2017, 474, 1055-1070.	1.7	15
149	Hemicelluloseâ€remodelling transglycanase activities from charophytes: towards the evolution of the landâ€plant cell wall. Plant Journal, 2021, 108, 7-28.	2.8	15
150	Î±-d-Mannopyranosyl-(1â†'4)-Î±-d-glucuronopyranosyl-(1â†'2)-myo-inositol, a new and unusual oligosaccharide from cultured rose cells. Phytochemistry, 1999, 52, 387-396.	1.4	14
151	Redox and Wall-Restructuring. , 2006, , 159-190.		13
152	Changes in Cinnamic Acid Derivatives Associated with the Habituation of Maize Cells to Dichlobenil. Molecular Plant, 2011, 4, 869-878.	3.9	13
153	Discovery of small molecule inhibitors of xyloglucan endotransglucosylase (XET) activity by high-throughput screening. Phytochemistry, 2015, 117, 220-236.	1.4	13
154	Xyloglucan: A Metabolically Dynamic Polysaccharide.. Trends in Glycoscience and Glycotechnology, 1992, 4, 279-289.	0.0	13
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