Paul Knox

List of Articles by Year
in descending order

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162 peer-reviewed articles	14,701 peer-reviewed citations	15157 65 peer-reviewed h-index	300267 4.73 score
182 documents	17642 doc citations	14512 71 h-index	18073 citing authors

#	Article	IF	Citations
1	Restraining Quiescence Release-Related Ageing in Plant Cells: A Case Study in Carrot. Cells, 2023, 12, 2465.	3.3	2
2	Altered properties and structures of root exudate polysaccharides in a root hairless mutant of barley. Plant Physiology, 2022, 190, 1214-1227.	4.0	26
3	Review: Characterising the mechanics of cell–cell adhesion in plants — R0/PR2. , 2021, , .		0
4	Sticky mucilages and exudates of plants: putative microenvironmental design elements with biotechnological value. New Phytologist, 2020, 225, 1461-1469.	5.3	100
5	Elucidating the role of polygalacturonase genes in strawberry fruit softening. Journal of Experimental Botany, 2020, 71, 7103-7117.	3.7	78
6	Cereal root exudates contain highly structurally complex polysaccharides with soil-binding properties. Plant Journal, 2020, 103, 1666-1678.	3.9	76
7	Exploring the Use of Fruit Callus Culture as a Model System to Study Color Development and Cell Wall Remodeling during Strawberry Fruit Ripening. Plants, 2020, 9, 805.	2.5	9
8	ARABIDOPSIS DEHISCENCE ZONE POLYGALACTURONASE 1 (ADPG1) releases latent defense signals in stems with reduced lignin content. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3281-3290.	5.2	95
9	Pectic galactan affects cell wall architecture during secondary cell wall deposition. Planta, 2020, 251, .	2.6	25
10	Characterisation of CRISPR mutants targeting genes modulating pectin degradation in ripening tomato. Plant Physiology, 2019, , pp.01187.2018.	4.0	126
11	Cell Wall Polymer Composition and Spatial Distribution in Ripe Banana and Mango Fruit: Implications for Cell Adhesion and Texture Perception. Frontiers in Plant Science, 2019, 10, .	3.0	22
12	Craterostigma plantagineumcell wall composition is remodelled during desiccation and the glycine-rich protein CpGRP1 interacts with pectins through clustered arginines. Plant Journal, 2019, 100, 661-676.	3.9	32
13	Pectin Methylesterases Modulate Plant Homogalacturonan Status in Defenses against the Aphid Myzus persicae. Plant Cell, 2019, 31, 1913-1929.	5.8	81
14	Metabolism of polysaccharides in dynamic middle lamellae during cotton fibre development. Planta, 2019, 249, 1565-1581.	2.6	17
15	Comparative in situ analysis reveals the dynamic nature of sclerenchyma cell walls of the fern Asplenium rutifolium. Annals of Botany, 2018, 121, 345-358.	2.1	9
16	A quantitative method for the high throughput screening for the soil adhesion properties of plant and microbial polysaccharides and exudates. Plant and Soil, 2018, 428, 57-65.	2.3	32
17	LRX Proteins Play a Crucial Role in Pollen Grain and Pollen Tube Cell Wall Development. Plant Physiology, 2018, 176, 1981-1992.	4.0	107
18	Xyloglucan is released by plants and promotes soil particle aggregation. New Phytologist, 2018, 217, 1128-1136.	5.3	116

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19	Branched Pectic Galactan in Phloem-Sieve-Element Cell Walls: Implications for Cell Mechanics. Plant Physiology, 2018, 176, 1547-1558.	4.0	79
20	Disentangling pectic homogalacturonan and rhamnogalacturonan-I polysaccharides: Evidence for sub-populations in fruit parenchyma systems. Food Chemistry, 2018, 246, 275-285.	8.0	58
21	Differential metabolism of pectic galactan in tomato and strawberry fruit: detection of the LM26 branched galactan epitope in ripe strawberry fruit. Physiologia Plantarum, 2018, 164, 95-105.	2.2	13
22	Host-specific signatures of the cell wall changes induced by the plant parasitic nematode, Meloidogyne incognita. Scientific Reports, 2018, 8, .	2.7	55
23	Elicitors and defense gene induction in plants with altered lignin compositions. New Phytologist, 2018, 219, 1235-1251.	5.3	94
24	β-(1,4)-Galactan remodelling in Arabidopsis cell walls affects the xyloglucan structure during elongation. Planta, 2018, 249, 351-362.	2.6	41
25	The Gsp-1 genes encode the wheat arabinogalactan peptide. Journal of Cereal Science, 2017, 74, 155-164.	2.9	31
26	Developmental features of cotton fibre middle lamellae in relation to cell adhesion and cell detachment in cultivars with distinct fibre qualities. BMC Plant Biology, 2017, 17, .	3.0	15
27	A Synthetic Glycan Microarray Enables Epitope Mapping of Plant Cell Wall Glycan-Directed Antibodies. Plant Physiology, 2017, 175, 1094-1104.	4.0	157
28	Correlations between axial stiffness and microstructure of a species of bamboo. Royal Society Open Science, 2017, 4, 160412.	1.6	64
29	The Complex Cell Wall Composition of Syncytia Induced by Plant Parasitic Cyst Nematodes Reflects Both Function and Host Plant. Frontiers in Plant Science, 2017, 8, .	3.0	28
30	Efficient preparation of Arabidopsis pollen tubes for ultrastructural analysis using chemical and cryo-fixation. BMC Plant Biology, 2017, 17, .	3.0	25
31	Characterization of the LM5 pectic galactan epitope with synthetic analogues of β-1,4-d-galactotetraose. Carbohydrate Research, 2016, 436, 36-40.	2.2	42
32	Dynamics of cell wall assembly during early embryogenesis in the brown algaFucus. Journal of Experimental Botany, 2016, 67, 6089-6100.	3.7	46
33	The chemical identity of intervessel pit membranes inAcerchallenges hydrogel control of xylem hydraulic conductivity. AoB PLANTS, 2016, 8, .	1.8	22
34	Complexity of the Ruminococcus flavefaciens cellulosome reflects an expansion in glycan recognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7136-7141.	5.2	76
35	Multi-omics analysis identifies genes mediating the extension of cell walls in the Arabidopsis thaliana root elongation zone. Frontiers in Cell and Developmental Biology, 2015, 3, .	2.8	36
36	Monoclonal Antibodies Directed to Fucoidan Preparations from Brown Algae. PLoS ONE, 2015, 10, e0118366.	1.5	76

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37	Low Sugar Is Not Always Good: Impact of Specific O-Glycan Defects on Tip Growth in Arabidopsis. Plant Physiology, 2015, 168, 808-813.	4.0	46
38	Recognition of xyloglucan by the crystalline cellulose-binding site of a family 3a carbohydrate-binding module. FEBS Letters, 2015, 589, 2297-2303.	1.8	56
39	Family 46 Carbohydrate-binding Modules Contribute to the Enzymatic Hydrolysis of Xyloglucan and β-1,3–1,4-Glucans through Distinct Mechanisms. Journal of Biological Chemistry, 2015, 290, 10572-10586.	1.3	44
40	Antibody-based screening of cell wall matrix glycans in ferns reveals taxon, tissue and cell-type specific distribution patterns. BMC Plant Biology, 2015, 15, 56.	3.0	41
41	The Deconstruction of Pectic Rhamnogalacturonan I Unmasks the Occurrence of a Novel Arabinogalactan Oligosaccharide Epitope. Plant and Cell Physiology, 2015, , pcv128.	2.5	28
42	Monoclonal antibodies indicate low-abundance links between heteroxylan and other glycans of plant cell walls. Planta, 2015, 242, 1321-1334.	2.6	59
43	Heteromannan and Heteroxylan Cell Wall Polysaccharides Display Different Dynamics During the Elongation and Secondary Cell Wall Deposition Phases of Cotton Fiber Cell Development. Plant and Cell Physiology, 2015, 56, 1786-1797.	2.5	33
44	The role of cell wall-based defences in the early restriction of non-pathogenic hrp mutant bacteria in Arabidopsis. Phytochemistry, 2015, 112, 139-150.	2.4	19
45	Arabinogalactan protein-rich cell walls, paramural deposits and ergastic globules define the hyaline bodies of rhinanthoid Orobanchaceae haustoria. Annals of Botany, 2014, 114, 1359-1373.	2.1	21
46	Promotion of Testa Rupture during Garden Cress Germination Involves Seed Compartment-Specific Expression and Activity of Pectin Methylesterases . Plant Physiology, 2014, 167, 200-215.	4.0	72
47	Analysis of the physical properties of developing cotton fibres. European Polymer Journal, 2014, 51, 57-68.	4.6	37
48	Roles and regulation of plant cell walls surrounding plasmodesmata. Current Opinion in Plant Biology, 2014, 22, 93-100.	4.4	61
49	Understanding How the Complex Molecular Architecture of Mannan-degrading Hydrolases Contributes to Plant Cell Wall Degradation. Journal of Biological Chemistry, 2014, 289, 2002-2012.	1.3	58
50	Epitope detection chromatography: a method to dissect the structural heterogeneity and inter-connections of plant cell-wall matrix glycans. Plant Journal, 2014, 78, 715-722.	3.9	56
51	Comparative in situ analyses of cell wall matrix polysaccharide dynamics in developing rice and wheat grain. Planta, 2014, 241, 669-685.	2.6	56
52	Non-Cellulosic Polysaccharides from Cotton Fibre Are Differently Impacted by Textile Processing. PLoS ONE, 2014, 9, e115150.	1.5	13
53	Sandwich Enzyme-linked Immunosorbent Assay (ELISA) Analysis of Plant Cell Wall Glycan Connections. Bio-protocol, 2014, 4, .	0.2	2
54	Arabinogalactan-protein and pectin epitopes in relation to an extracellular matrix surface network and somatic embryogenesis and callogenesis in Trifolium nigrescens Viv.. Plant Cell, Tissue and Organ Culture, 2013, 115, 35-44.	1.5	35

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55	Cell Wall Pectic Arabinans Influence the Mechanical Properties of Arabidopsis thaliana Inflorescence Stems and Their Response to Mechanical Stress. Plant and Cell Physiology, 2013, 54, 1278-1288.	2.5	73
56	Understanding How Noncatalytic Carbohydrate Binding Modules Can Display Specificity for Xyloglucan. Journal of Biological Chemistry, 2013, 288, 4799-4809.	1.3	35
57	Advances in understanding the molecular basis of plant cell wall polysaccharide recognition by carbohydrate-binding modules. Current Opinion in Structural Biology, 2013, 23, 669-677.	4.6	322
58	Multi-scale spatial heterogeneity of pectic rhamnogalacturonan I (RG–I) structural features in tobacco seed endosperm cell walls. Plant Journal, 2013, 75, 1018-1027.	3.9	33
59	Heterogeneity and Glycan Masking of Cell Wall Microstructures in the Stems of Miscanthus x giganteus, and Its Parents M. sinensis and M. sacchariflorus. PLoS ONE, 2013, 8, e82114.	1.5	44
60	Cell wall evolution and diversity. Frontiers in Plant Science, 2012, 3, .	3.0	111
61	Cell Walls of Developing Wheat Starchy Endosperm: Comparison of Composition and RNA-Seq Transcriptome . Plant Physiology, 2012, 158, 612-627.	4.0	124
62	Distinct Cell Wall Architectures in Seed Endosperms in Representatives of the Brassicaceae and Solanaceae . Plant Physiology, 2012, 160, 1551-1566.	4.0	70
63	Identification of Quantitative Trait Loci Affecting Hemicellulose Characteristics Based on Cell Wall Composition in a Wild and Cultivated Rice Species. Molecular Plant, 2012, 5, 162-175.	17.9	36
64	Localization of Cell Wall Polysaccharides in Normal and Compression Wood of Radiata Pine: Relationships with Lignification and Microfibril Orientation. Plant Physiology, 2012, 158, 642-653.	4.0	130
65	Versatile High Resolution Oligosaccharide Microarrays for Plant Glycobiology and Cell Wall Research. Journal of Biological Chemistry, 2012, 287, 39429-39438.	1.3	250
66	Syncytia formed by adult female Heterodera schachtii in Arabidopsis thaliana roots have a distinct cell wall molecular architecture. New Phytologist, 2012, 196, 238-246.	5.3	32
67	Arabinogalactan Proteins Occur in the Free-Living Cyanobacterium Genus Nostoc and in Plant–Nostoc Symbioses. Molecular Plant-Microbe Interactions, 2012, 25, 1338-1349.	2.1	16
68	ARAD proteins associated with pectic Arabinan biosynthesis form complexes when transiently overexpressed in planta. Planta, 2012, 236, 115-128.	2.6	90
69	Analysis of crystallinity changes in cellulose II polymers using carbohydrate-binding modules. Carbohydrate Polymers, 2012, 89, 213-221.	9.9	27
70	Comparative Analysis of Crystallinity Changes in Cellulose I Polymers Using ATR-FTIR, X-ray Diffraction, and Carbohydrate-Binding Module Probes. Biomacromolecules, 2011, 12, 4121-4126.	3.8	213
71	Cell Wall Biology: Perspectives from Cell Wall Imaging. Molecular Plant, 2011, 4, 212-219.	17.9	134
72	The Cooperative Activities of CSLD2, CSLD3, and CSLD5 Are Required for Normal Arabidopsis Development. Molecular Plant, 2011, 4, 1024-1037.	17.9	123

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73	ABA signalling modulates the detection of the LM6 arabinan cell wall epitope at the surface of Arabidopsis thaliana seedling root apices. New Phytologist, 2011, 190, 618-626.	5.3	20
74	Ginseng root water-extracted pectic polysaccharides originate from secretory cavities. Planta, 2011, 234, 487-499.	2.6	28
75	Loss of Function Mutation of REDUCED WALL ACETYLATION2 in Arabidopsis Leads to Reduced Cell Wall Acetylation and Increased Resistance to Botrytis cinerea . Plant Physiology, 2011, 155, 1068-1078.	4.0	196
76	Restricted access of proteins to mannan polysaccharides in intact plant cell walls. Plant Journal, 2010, 64, 191-203.	3.9	256
77	Functional analysis of folate polyglutamylation and its essential role in plant metabolism and development. Plant Journal, 2010, 64, 267-279.	3.9	84
78	ABA promotes quiescence of the quiescent centre and suppresses stem cell differentiation in the Arabidopsis primary root meristem. Plant Journal, 2010, 64, 764-774.	3.9	231
79	The TOR Pathway Modulates the Structure of Cell Walls in Arabidopsis . Plant Cell, 2010, 22, 1898-1908.	5.8	101
80	Carbohydrate-binding modules promote the enzymatic deconstruction of intact plant cell walls by targeting and proximity effects. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15293-15298.	5.2	269
81	Cell Wall Microstructure Analysis Implicates Hemicellulose Polysaccharides in Cell Adhesion in Tomato Fruit Pericarp Parenchyma. Molecular Plant, 2009, 2, 910-921.	17.9	96
82	Evidence that family 35 carbohydrate binding modules display conserved specificity but divergent function. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3065-3070.	5.2	116
83	An extended set of monoclonal antibodies to pectic homogalacturonan. Carbohydrate Research, 2009, 344, 1858-1862.	2.2	456
84	Enzymatic treatments reveal differential capacities for xylan recognition and degradation in primary and secondary plant cell walls. Plant Journal, 2009, 58, 413-422.	3.9	74
85	Developmental complexity of arabinan polysaccharides and their processing in plant cell walls. Plant Journal, 2009, 59, 413-425.	3.9	162
86	Fingerprinting complex pectins by chromatographic separation combined with ELISA detection. Carbohydrate Research, 2009, 344, 1808-1817.	2.2	17
87	In situ analysis of cell wall polymers associated with phloem fibre cells in stems of hemp, Cannabis sativa L.. Planta, 2008, 228, 1-13.	2.6	61
88	Modulating in vitro bone cell and macrophage behavior by immobilized enzymatically tailored pectins. Journal of Biomedical Materials Research - Part A, 2008, 86A, 597-606.	2.8	33
89	Mapping the walls of the kingdom: the view from the horsetails. New Phytologist, 2008, 179, 1-3.	5.3	13
90	Sequential cell wall transformations in response to the induction of a pedicel abscission event in Euphorbia pulcherrima (poinsettia). Plant Journal, 2008, 54, 993-1003.	3.9	44

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91	Pectic homogalacturonan masks abundant sets of xyloglucan epitopes in plant cell walls. BMC Plant Biology, 2008, 8, .	3.0	423
92	Revealing the structural and functional diversity of plant cell walls. Current Opinion in Plant Biology, 2008, 11, 308-313.	4.4	200
93	Enzymatically-tailored pectins differentially influence the morphology, adhesion, cell cycle progression and survival of fibroblasts. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 995-1003.	1.6	31
94	Reliable scale-up of membrane protein over-expression by bacterial auto-induction: From microwell plates to pilot scale fermentations. Molecular Membrane Biology, 2008, 25, 588-598.	2.9	21
95	Intercellular Pectic Protuberances in Asplenium: New Data on their Composition and Origin. Annals of Botany, 2007, 100, 1165-1173.	2.1	20
96	Detection of β-1-4-galactan in compression wood of Sitka spruce [Picea sitchensis (Bong.) Carrière] by immunofluorescence. Holzforschung, 2007, 61, 311-316.	1.1	41
97	High-throughput mapping of cell-wall polymers within and between plants using novel microarrays. Plant Journal, 2007, 50, 1118-1128.	3.9	306
98	Promiscuous, non-catalytic, tandem carbohydrate-binding modules modulate the cell-wall structure and development of transgenic tobacco (Nicotiana tabacum) plants. Journal of Plant Research, 2007, 120, 605-617.	1.1	32
99	High-throughput screening of monoclonal antibodies against plant cell wall glycans by hierarchical clustering of their carbohydrate microarray binding profiles. Glycoconjugate Journal, 2007, 25, 37-48.	1.8	185
100	In situ detection of cell wall polysaccharides in sitka spruce (Picea sitchensis (Bong.) Carrière) wood tissue. BioResources, 2007, 2, 284-295.	0.4	13
101	Pectin: new insights into an old polymer are starting to gel. Trends in Food Science and Technology, 2006, 17, 97-104.	11.7	829
102	North America. International Journal, 2006, 61, 633-647.	0.2	0
103	North America: The News about the News. International Journal, 2006, 61, 633.	0.2	0
104	Up against the wall: arabinogalactan-protein dynamics at cell surfaces. New Phytologist, 2006, 169, 443-445.	5.3	23
105	A cortical band of gelatinous fibers causes the coiling of redvine tendrils: a model based upon cytochemical and immunocytochemical studies. Planta, 2006, 225, 485-498.	2.6	89
106	Differential recognition of plant cell walls by microbial xylan-specific carbohydrate-binding modules. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4765-4770.	5.2	137
107	Understanding the Biological Rationale for the Diversity of Cellulose-directed Carbohydrate-binding Modules in Prokaryotic Enzymes. Journal of Biological Chemistry, 2006, 281, 29321-29329.	1.3	235
108	Distribution of cell-wall xylans in bryophytes and tracheophytes: new insights into basal interrelationships of land plants. New Phytologist, 2005, 168, 231-240.	5.3	92

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109	QUASIMODO1 is expressed in vascular tissue of Arabidopsis thaliana inflorescence stems, and affects homogalacturonan and xylan biosynthesis. Planta, 2005, 222, 613-622.	2.6	92
110	Distribution of pectic epitopes in cell walls of the sugar beet root. Planta, 2005, 222, 355-371.	2.6	61
111	Arabinogalactan Proteins Are Required for Apical Cell Extension in the Moss Physcomitrella patens. Plant Cell, 2005, 17, 3051-3065.	5.8	195
112	Re-engineering of the PAM1 phage display monoclonal antibody to produce a soluble, versatile anti-homogalacturonan scFv. Plant Science, 2005, 169, 1090-1095.	3.0	23
113	Targeted Modification of Homogalacturonan by Transgenic Expression of a Fungal Polygalacturonase Alters Plant Growth. Plant Physiology, 2004, 135, 1294-1304.	4.0	65
114	Novel cell wall architecture of isoxaben-habituated Arabidopsis suspension-cultured cells: global transcript profiling and cellular analysis. Plant Journal, 2004, 40, 260-275.	3.9	149
115	A monoclonal antibody to feruloylated-(1?4)-?-d-galactan. Planta, 2004, 219, 1036-1041.	2.6	47
116	Glycoside hydrolase carbohydrate-binding modules as molecular probes for the analysis of plant cell wall polymers. Analytical Biochemistry, 2004, 326, 49-54.	2.0	122
117	Isolation and characterisation of the homogalacturonan from type II cell walls of the commelinoid monocot wheat using HF-solvolysis. Carbohydrate Research, 2003, 338, 423-431.	2.2	18
118	Synthetic methyl hexagalacturonate hapten inhibitors of anti-homogalacturonan monoclonal antibodies LM7, JIM5 and JIM7. Carbohydrate Research, 2003, 338, 1797-1800.	2.2	304
119	Cell wall pectic (1→4)-β-d-galactan marks the acceleration of cell elongation in theArabidopsisseedling root meristem. Plant Journal, 2003, 33, 447-454.	3.9	149
120	CsAGP1, a Gibberellin-Responsive Gene from Cucumber Hypocotyls, Encodes a Classical Arabinogalactan Protein and Is Involved in Stem Elongation. Plant Physiology, 2003, 131, 1450-1459.	4.0	86
121	A xylogalacturonan epitope is specifically associated with plant cell detachment. Planta, 2003, 218, 673-681.	2.6	126
122	Regulation of pectic polysaccharide domains in relation to cell development and cell properties in the pea testa. Journal of Experimental Botany, 2002, 53, 707-713.	3.7	76
123	Proteomic analysis of the Arabidopsis thaliana cell wall. Electrophoresis, 2002, 23, 1754.	1.7	225
124	Sugar-coated microarrays: A novel slide surface for the high-throughput analysis of glycans. Proteomics, 2002, 2, 1666-1671.	2.1	178
125	Altered cell wall disassembly during ripening of Cnr tomato fruit: implications for cell adhesion and fruit softening. Planta, 2002, 215, 440-447.	2.6	83
126	Diversity in the distribution of polysaccharide and glycoprotein epitopes in the cell walls of bryophytes: new evidence for the multiple evolution of water-conducting cells. New Phytologist, 2002, 156, 491-508.	5.3	100

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127	A role for arabinogalactan proteins in gibberellin-induced α-amylase production in barley aleurone cells. Plant Journal, 2002, 29, 733-741.	3.9	70
128	Modulation of the Degree and Pattern of Methyl-esterification of Pectic Homogalacturonan in Plant Cell Walls. Journal of Biological Chemistry, 2001, 276, 19404-19413.	1.3	590
129	In-situ analysis of pectic polysaccharides in seed mucilage and at the root surface of Arabidopsis thaliana. Planta, 2001, 213, 37-44.	2.6	154
130	Analysis of the distribution of copper amine oxidase in cell walls of legume seedlings. Planta, 2001, 214, 37-45.	2.6	48
131	Title is missing!. Plant Molecular Biology, 2001, 47, 9-27.	2.1	1,002
132	Altered Middle Lamella Homogalacturonan and Disrupted Deposition of (1→5)-α-l-Arabinan in the Pericarp ofCnr, a Ripening Mutant of Tomato. Plant Physiology, 2001, 126, 210-221.	4.0	136
133	Analysis of pectic epitopes recognised by hybridoma and phage display monoclonal antibodies using defined oligosaccharides, polysaccharides, and enzymatic degradation. Carbohydrate Research, 2000, 327, 309-320.	2.2	217
134	Temporal and spatial regulation of pectic (14)-beta-D-galactan in cell walls of developing pea cotyledons: implications for mechanical properties. Plant Journal, 2000, 22, 105-113.	3.9	205
135	Arabinogalactan proteins in embryogenic and non-embryogenic callus cultures ofEuphorbia pulcherrima. Physiologia Plantarum, 2000, 108, 180-187.	2.2	30
136	Making and using antibody probes to study plant cell walls. Plant Physiology and Biochemistry, 2000, 38, 27-36.	3.9	90
137	Spatial Regulation of Pectic Polysaccharides in Relation to Pit Fields in Cell Walls of Tomato Fruit Pericarp. Plant Physiology, 2000, 122, 775-782.	4.0	115
138	Cell wall antibodies without immunization: generation and use of de-esterified homogalacturonan block-specific antibodies from a naive phage display library. Plant Journal, 1999, 18, 57-65.	3.9	109
139	Side chains of pectic polysaccharides are regulated in relation to cell proliferation and cell differentiation. Plant Journal, 1999, 20, 619-628.	3.9	155
140	Electron-energy-loss spectroscopic imaging of calcium and nitrogen in the cell walls of apple fruits. Planta, 1999, 208, 438-443.	2.6	32
141	Immunoprofiling of Pectic Polysaccharides. Analytical Biochemistry, 1999, 268, 143-146.	2.0	41
142	Generation of a monoclonal antibody specific to (1→5)-α-l-arabinan. Carbohydrate Research, 1998, 308, 149-152.	2.2	402
143	Immunolocalization of β-(1→4) and β-(1→6)-D-galactan epitopes in the cell wall and Golgi stacks of developing flax root tissues. Protoplasma, 1998, 203, 26-34.	1.5	54
144	Occurrence of cell surface arabinogalactan-protein and extensin epitopes in relation to pericycle and vascular tissue development in the root apex of four species. Planta, 1998, 204, 252-259.	2.6	66

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145	Stage-specific responses of embryogenic carrot cell suspension cultures to arabinogalactan protein-binding β-glucosyl Yariv reagent. Planta, 1998, 205, 32-38.	2.6	78
146	Immunochemical comparison of membrane-associated and secreted arabinogalactan-proteins in rice and carrot. Planta, 1996, 198, 452-459.	2.6	243
147	A role for arabinogalactan-proteins in plant cell expansion: evidence from studies on the interaction of beta-glucosyl Yariv reagent with seedlings of Arabidopsis thaliana. Plant Journal, 1996, 9, 919-925.	3.9	248
148	Characterization of carbohydrate structural features recognized by anti-arabinogalactan-protein monoclonal antibodies. Glycobiology, 1996, 6, 131-139.	1.5	312
149	Identification of novel cell surface epitopes using a leaf epidermal-strip assay system. Planta, 1995, 196, .	2.6	27
150	The monoclonal antibody JIM19 modulates abscisic acid action in barley aleurone protoplasts. Planta, 1995, 196, 271-276.	2.6	18
151	An epitope of rice threonine- and hydroxyproline-rich glycoprotein is common to cell wall and hydrophobic plasma-membrane glycoproteins. Planta, 1995, 196, .	2.6	135
152	Developmentally regulated proteoglycans and glycoproteins of the plant cell surface. FASEB Journal, 1995, 9, 1004-1012.	2.3	146
153	Cell adhesion, cell separation and plant morphogenesis. Plant Journal, 1992, 2, 137-141.	3.9	117
154	Pectin esterification is spatially regulated both within cell walls and between developing tissues of root apices. Planta, 1990, 181, .	2.6	635
155	Patterns of expression of the JIM4 arabinogalactan-protein epitope in cell cultures and during somatic embryogenesis in Daucus carota L.. Planta, 1990, 180, .	2.6	125
156	Common components of the infection thread matrix and the intercellular space identified by immunocytochemical analysis of pea nodules and uninfected roots. EMBO Journal, 1989, 8, 335-341.	5.1	256
157	Monoclonal Antibodies to 13-Deoxy-Gibberellins. Plant Physiology, 1988, 88, 959-960.	4.0	14
158	Monoclonal antibodies for the analysis and purification of isopentenyladenine cytokinins. Phytochemistry, 1987, 26, 2447-2452.	2.4	15
159	Use of monoclonal antibodies to separate the enantiomers of abscisic acid. Analytical Biochemistry, 1986, 155, 92-94.	2.0	41
160	Photosensitisers from plants. Pest Management Science, 1986, 17, 579-586.	1.0	25
161	Singlet oxygen and plants. Phytochemistry, 1985, 24, 889-896.	2.4	313
162	Photodynamic damage to plant leaf tissue by rose bengal. Plant Science Letters, 1984, 37, 3-7.	1.5	47