

## List of Publications by Year in descending order

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77  
papers

3,991  
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117571

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128225

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docs citations

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times ranked

5042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Apoplastic class III peroxidases PRX62 and PRX69 promote Arabidopsis root hair growth at low temperature. <i>Nature Communications</i> , 2022, 13, 1310.	5.8	25
2	Class III Peroxidases in Response to Multiple Abiotic Stresses in Arabidopsis thaliana Pyrenean Populations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3960.	1.8	6
3	Class III Peroxidases PRX01, PRX44, and PRX73 Control Root Hair Growth in Arabidopsis thaliana. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5375.	1.8	15
4	Ethylene signaling increases reactive oxygen species accumulation to drive root hair initiation in Arabidopsis. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	13
5	The tip of the iceberg: ROP2 directly interacts with SYP121 to regulate root-hair polarization, elongation, and exocytosis. <i>Molecular Plant</i> , 2022, , .	3.9	0
6	Two titans finally meet each other under nitrogen deficiencies: FERONIA-TORC1 activation promotes plant growth. <i>Molecular Plant</i> , 2022, 15, 1095-1097.	3.9	1
7	Auxinâ€œEnvironment Integration in Growth Responses to Forage for Resources. <i>Cold Spring Harbor Perspectives in Biology</i> , 2021, 13, a040030.	2.3	6
8	The tip of the iceberg: emerging roles of TORC1, and its regulatory functions in plant cells. <i>Journal of Experimental Botany</i> , 2021, 72, 4085-4101.	2.4	15
9	Highlighting reactive oxygen species as multitaskers in root development. <i>IScience</i> , 2021, 24, 101978.	1.9	53
10	Cracking the â€œSugar Codeâ€œ: A Snapshot of N- and O-Glycosylation Pathways and Functions in Plants Cells. <i>Frontiers in Plant Science</i> , 2021, 12, 640919.	1.7	33
11	A Stringent-Response-Defective Bradyrhizobium diazoefficiens Strain Does Not Activate the Type 3 Secretion System, Elicits an Early Plant Defense Response, and Circumvents NH <sub>4</sub> NO <sub>3</sub> -Induced Inhibition of Nodulation. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	3
12	The lncRNA APOLO and the transcription factor WRKY42 target common cell wall EXTENSIN encoding genes to trigger root hair cell elongation. <i>Plant Signaling and Behavior</i> , 2021, 16, 1920191.	1.2	19
13	The lncRNA APOLO interacts with the transcription factor WRKY42 to trigger root hair cell expansion in response to cold. <i>Molecular Plant</i> , 2021, 14, 937-948.	3.9	72
14	Proline-rich extensin-like receptor kinases PERK5 and PERK12 are involved in pollen tube growth. <i>FEBS Letters</i> , 2021, 595, 2593-2607.	1.3	14
15	Salt stress on Lotus tenuis triggers cell wall polysaccharide changes affecting their digestibility by ruminants. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 405-415.	2.8	6
16	The RALF1â€œFERONIA Complex Phosphorylates eIF4E1 to Promote Protein Synthesis and Polar Root Hair Growth. <i>Molecular Plant</i> , 2020, 13, 698-716.	3.9	88
17	The role of P-type IIA and P-type IIB Ca <sup>2+</sup> -ATPases in plant development and growth. <i>Journal of Experimental Botany</i> , 2020, 71, 1239-1248.	2.4	39
18	Influence of cell wall polymers and their modifying enzymes during plantâ€œaphid interactions. <i>Journal of Experimental Botany</i> , 2020, 71, 3854-3864.	2.4	29

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19	Imaging and Analysis of the Content of Callose, Pectin, and Cellulose in the Cell Wall of Arabidopsis Pollen Tubes Grown In Vitro. <i>Methods in Molecular Biology</i> , 2020, 2160, 233-242.	0.4	4
20	A cell surface arabinogalactanâ€peptide influences root hair cell fate. <i>New Phytologist</i> , 2020, 227, 732-743.	3.5	26
21	Autocrine regulation of root hair size by the RALFâ€FERONIAâ€RSL4 signaling pathway. <i>New Phytologist</i> , 2020, 227, 45-49.	3.5	49
22	Arabidopsis RAD23B regulates pollen development by mediating degradation of KRP1. <i>Journal of Experimental Botany</i> , 2020, 71, 4010-4019.	2.4	10
23	Cellulose-rich secondary walls in wave-swept red macroalgae fortify flexible tissues. <i>Planta</i> , 2019, 250, 1867-1879.	1.6	13
24	<i>Arabidopsis</i> pollen extensins LRX are required for cell wall integrity during pollen tube growth. <i>FEBS Letters</i> , 2018, 592, 233-243.	1.3	75
25	Reduced expression of selected <scp><i>FASCICLINâ€LIKE ARABINOGALACTAN PROTEIN</i></scp> genes associates with the abortion of kernels in field crops of <scp><i>Zea mays</i></scp> (maize) and of <scp>A</scp>rabidopsis seeds. <i>Plant, Cell and Environment</i> , 2018, 41, 661-674.	2.8	38
26	Filling the Gaps to Solve the Extensin Puzzle. <i>Molecular Plant</i> , 2018, 11, 645-658.	3.9	50
27	How Does pH Fit in with Oscillating Polar Growth?. <i>Trends in Plant Science</i> , 2018, 23, 479-489.	4.3	33
28	Calcium dynamics in tomato pollen tubes using the Yellow Cameleon 3.6 sensor. <i>Plant Reproduction</i> , 2018, 31, 159-169.	1.3	9
29	High Auxin and High Phosphate Impact on RSL2 Expression and ROS-Homeostasis Linked to Root Hair Growth in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2018, 9, 1164.	1.7	29
30	<i>Arabidopsis thaliana</i> <scp>FLA</scp>4</i> functions as a glycanâ€stabilized soluble factor via its carboxyâ€proximal Fasciclin 1 domain. <i>Plant Journal</i> , 2017, 91, 613-630.	2.8	49
31	RSL4 Takes Control: Multiple Signals, One Transcription Factor. <i>Trends in Plant Science</i> , 2017, 22, 553-555.	4.3	22
32	Molecular link between auxin and ROS-mediated polar growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5289-5294.	3.3	201
33	Identification and evolution of a plant cell wall specific glycoprotein glycosyl transferase, ExAD. <i>Scientific Reports</i> , 2017, 7, 45341.	1.6	29
34	Sulfated Polysaccharides in the Freshwater Green Macroalga Cladophora surera Not Linked to Salinity Adaptation. <i>Frontiers in Plant Science</i> , 2017, 8, 1927.	1.7	17
35	ROS Regulation of Polar Growth in Plant Cells. <i>Plant Physiology</i> , 2016, 171, 1593-1605.	2.3	106
36	Auxin and Cellular Elongation. <i>Plant Physiology</i> , 2016, 170, 1206-1215.	2.3	87

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37	An update on cell surface proteins containing extensin-motifs. <i>Journal of Experimental Botany</i> , 2016, 67, 477-487.	2.4	68
38	Complex Regulation of Prolyl-4-Hydroxylases Impacts Root Hair Expansion. <i>Molecular Plant</i> , 2015, 8, 734-746.	3.9	70
39	Low Sugar Is Not Always Good: Impact of Specific <i>O</i> -Glycan Defects on Tip Growth in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 168, 808-813.	2.3	41
40	Optimized Method for Growing In Vitro <i>Arabidopsis thaliana</i> Pollen Tubes. <i>Methods in Molecular Biology</i> , 2015, 1242, 41-47.	0.4	2
41	Response of the fungus <i>Pseudocercospora griseola</i> f. <i>mesoamericana</i> to Tricyclazole. <i>Mycological Progress</i> , 2015, 14, 1.	0.5	9
42	Plant Cell Expansion. <i>Methods in Molecular Biology</i> , 2015, 1242, v.	0.4	2
43	Improved ROS Measurement in Root Hair Cells. <i>Methods in Molecular Biology</i> , 2015, 1242, 67-71.	0.4	8
44	Live Imaging of Root Hairs. <i>Methods in Molecular Biology</i> , 2015, 1242, 59-66.	0.4	0
45	An update on post-translational modifications of hydroxyproline-rich glycoproteins: toward a model highlighting their contribution to plant cell wall architecture. <i>Frontiers in Plant Science</i> , 2014, 5, 395.	1.7	106
46	Genome-wide data (ChIP-seq) enabled identification of cell wall-related and aquaporin genes as targets of tomato ASR1, a drought stress-responsive transcription factor. <i>BMC Plant Biology</i> , 2014, 14, 29.	1.6	77
47	Anticoagulant Activity of a Unique Sulfated Pyranosic (1 $\rightarrow$ 3)- $\beta$ -L-Arabinan through Direct Interaction with Thrombin. <i>Journal of Biological Chemistry</i> , 2013, 288, 223-233.	1.6	46
48	Current Challenges in Plant Cell Walls: Editorial Overview. <i>Frontiers in Plant Science</i> , 2012, 3, 232.	1.7	3
49	Recent Advances on the Posttranslational Modifications of EXTs and Their Roles in Plant Cell Walls. <i>Frontiers in Plant Science</i> , 2012, 3, 93.	1.7	50
50	Nuclear Import and Dimerization of Tomato ASR1, a Water Stress-Inducible Protein Exclusive to Plants. <i>PLoS ONE</i> , 2012, 7, e41008.	1.1	27
51	Potato Snakin-1 Gene Silencing Affects Cell Division, Primary Metabolism, and Cell Wall Composition. <i>Plant Physiology</i> , 2012, 158, 252-263.	2.3	79
52	Disruption of Abscisic Acid Signaling Constitutively Activates <i>Arabidopsis</i> Resistance to the Necrotrophic Fungus <i>Plectosphaerella cucumerina</i> . <i>Plant Physiology</i> , 2012, 160, 2109-2124.	2.3	132
53	<i>Arabidopsis</i> Heterotrimeric G-protein Regulates Cell Wall Defense and Resistance to Necrotrophic Fungi. <i>Molecular Plant</i> , 2012, 5, 98-114.	3.9	141
54	Cellulose microfibril crystallinity is reduced by mutating C-terminal transmembrane region residues CES1A <sup>A903V</sup> and CES3A <sup>T942I</sup> of cellulose synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4098-4103.	3.3	165

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55	Sulfated Î²-d-mannan from green seaweed <i>Codium vermilara</i> . <i>Carbohydrate Polymers</i> , 2012, 87, 916-919.	5.1	48
56	CHARACTERIZATION OF CELL WALL POLYSACCHARIDES OF THE COENOCYtic GREEN SEAWEED <i>BRYOPSIS PLUMOSA</i> (BRYOPSIDACEAE, CHLOROPHYTA) FROM THE ARGENTINE COAST<sup>1</sup>. <i>Journal of Phycology</i> , 2012, 48, 326-335.	1.0	35
57	O-Glycosylated Cell Wall Proteins Are Essential in Root Hair Growth. <i>Science</i> , 2011, 332, 1401-1403.	6.0	287
58	CELL WALL VARIABILITY IN THE GREEN SEAWEED CODIUM VERMILARA (BRYOPSIDALES CHLOROPHYTA) FROM THE ARGENTINE COAST1. <i>Journal of Phycology</i> , 2011, 47, 802-810.	1.0	15
59	Red and Green Algal Monophyly and Extensive Gene Sharing Found in a Rich Repertoire of Red Algal Genes. <i>Current Biology</i> , 2011, 21, 328-333.	1.8	101
60	Root hair sweet growth. <i>Plant Signaling and Behavior</i> , 2011, 6, 1600-1602.	1.2	6
61	In-vitro depolymerization of <i>Scutia buxifolia</i> leaf-litter by a dominant Ascomycota <i>Ciliochorella</i> sp.. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 262-266.	1.9	18
62	CELL WALL POLYMER MAPPING IN THE COENOCYtic MACROALGA <i>CODIUM VERMILARA</i> (BRYOPSIDALES, CHLOROPHYTA)<sup>1</sup>. <i>Journal of Phycology</i> , 2010, 46, 456-465.	1.0	36
63	DIFFERENCES IN POLYSACCHARIDE STRUCTURE BETWEEN CALCIFIED AND UNCALCIFIED SEGMENTS IN THE CORALLINE <i>CALLIARTHRON CHEILOSPORIOIDES</i> (CORALLINALES, RHODOPHYTA)<sup>1</sup>. <i>Journal of Phycology</i> , 2010, 46, 507-515.	1.0	30
64	The ERECTA Receptor-Like Kinase Regulates Cell Wall-Mediated Resistance to Pathogens in <i>Arabidopsis thaliana</i>. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 953-963.	1.4	100
65	Chemical and in situ characterization of macromolecular components of the cell walls from the green seaweed <i>Codium fragile</i> . <i>Glycobiology</i> , 2009, 19, 212-228.	1.3	99
66	Discovery of Lignin in Seaweed Reveals Convergent Evolution of Cell-Wall Architecture. <i>Current Biology</i> , 2009, 19, 169-175.	1.8	371
67	The system of sulfated galactans from the red seaweed <i>Gymnogongrus torulosus</i> (Phylloporaceae,) Tj ETQq1 1 0.784314 rgBT /Over 5.1 27	5.1	27
68	CELL WALL CARBOHYDRATE EPITOPES IN THE GREEN ALGA <i>OEDOGONIUM BHARUCHAE</i> F. <i>MINOR</i> (OEDOGONIALES, CHLOROPHYTA)<sup>1</sup>. <i>Journal of Phycology</i> , 2008, 44, 1257-1268.	1.0	32
69	Polysaccharides from the green seaweeds <i>Codium fragile</i> and <i>C. vermilara</i> with controversial effects on hemostasis. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 641-649.	3.6	87
70	FLAsH-based live-cell fluorescent imaging of synthetic peptides expressed in <i>Arabidopsis</i> and tobacco. <i>BioTechniques</i> , 2006, 41, 569-574.	0.8	22
71	Characterization of Synthetic Hydroxyproline-Rich Proteoglycans with Arabinogalactan Protein and Extensin Motifs in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2006, 142, 458-470.	2.3	87
72	The system of galactans of the red seaweed, <i>Kappaphycus alvarezii</i> , with emphasis on its minor constituents. <i>Carbohydrate Research</i> , 2004, 339, 2575-2592.	1.1	60

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73	Fine structural study of the red seaweed <i>Gymnogongrus torulosus</i> (Phylloporaceae, Rhodophyta). <i>Biocell</i> , 2003, 27, 181-7.	0.4	1
74	Novel DL-Galactan Hybrids from the Red Seaweed <i>Gymnogongrus Torulosus</i> are Potent Inhibitors of Herpes Simplex Virus and Dengue Virus. <i>Antiviral Chemistry and Chemotherapy</i> , 2002, 13, 83-89.	0.3	76
75	CARRAGEENANS BIOSYNTHESIZED BY CARPOSPOROPHYTES OF RED SEAWEEDS <i>GIGARTINA SKOTTSBERGII</i> (GIGARTINACEAE) AND <i>GYMNOGONGRUS TORULOSUS</i> (PHYLLOPORACEAE) 1. <i>Journal of Phycology</i> , 2002, 38, 344-350.	1.0	14
76	dl-Galactan hybrids and agarans from gametophytes of the red seaweed <i>Gymnogongrus torulosus</i> . <i>Carbohydrate Research</i> , 2001, 331, 27-41.	1.1	46
77	The system of low-molecular-weight carrageenans and agaroids from the room-temperature-extracted fraction of <i>Kappaphycus alvarezii</i> . <i>Carbohydrate Research</i> , 2000, 325, 287-299.	1.1	57