

Staffan Persson

List of Publications by Year in descending order

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144
papers

12,639
citations

26567

56
h-index

27345

106
g-index

157
all docs

157
docs citations

157
times ranked

11995
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward a Systems Approach to Understanding Plant Cell Walls. <i>Science</i> , 2004, 306, 2206-2211.	6.0	1,090
2	Identification of genes required for cellulose synthesis by regression analysis of public microarray data sets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8633-8638.	3.3	539
3	Genetic evidence for three unique components in primary cell-wall cellulose synthase complexes in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15566-15571.	3.3	506
4	The Cell Biology of Cellulose Synthesis. <i>Annual Review of Plant Biology</i> , 2014, 65, 69-94.	8.6	488
5	Co-expression tools for plant biology: opportunities for hypothesis generation and caveats. <i>Plant, Cell and Environment</i> , 2009, 32, 1633-1651.	2.8	480
6	Development and application of a suite of polysaccharide-degrading enzymes for analyzing plant cell walls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11417-11422.	3.3	300
7	PlaNet: Combined Sequence and Expression Comparisons across Plant Networks Derived from Seven Species. <i>Plant Cell</i> , 2011, 23, 895-910.	3.1	297
8	Cellulose Synthases and Synthesis in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2011, 4, 199-211.	3.9	281
9	POM-POM2/CELLULOSE SYNTHASE INTERACTING1 Is Essential for the Functional Association of Cellulose Synthase and Microtubules in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 163-177.	3.1	252
10	The <i>Arabidopsis</i> irregular xylem8 Mutant Is Deficient in Glucuronoxylan and Homogalacturonan, Which Are Essential for Secondary Cell Wall Integrity. <i>Plant Cell</i> , 2007, 19, 237-255.	3.1	251
11	A Mechanism for Sustained Cellulose Synthesis during Salt Stress. <i>Cell</i> , 2015, 162, 1353-1364.	13.5	245
12	Inositol signaling and plant growth. <i>Trends in Plant Science</i> , 2000, 5, 252-258.	4.3	238
13	The TPLATE Adaptor Complex Drives Clathrin-Mediated Endocytosis in Plants. <i>Cell</i> , 2014, 156, 691-704.	13.5	238
14	Identification of a cellulose synthase-associated protein required for cellulose biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12866-12871.	3.3	228
15	<i>TRICHOME BIREFRINGENCE</i> and Its Homolog <i>AT5G01360</i> Encode Plant-Specific DUF231 Proteins Required for Cellulose Biosynthesis in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010, 153, 590-602.	2.3	196
16	Transcriptional Coordination of the Metabolic Network in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2006, 142, 762-774.	2.3	178
17	Assembly of an Interactive Correlation Network for the <i>Arabidopsis</i> Genome Using a Novel Heuristic Clustering Algorithm. <i>Plant Physiology</i> , 2009, 152, 29-43.	2.3	174
18	Patterning and Lifetime of Plasma Membrane-Localized Cellulose Synthase Is Dependent on Actin Organization in <i>Arabidopsis</i> Interphase Cells. <i>Plant Physiology</i> , 2013, 162, 675-688.	2.3	171

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19	Building a plant cell wall at a glance. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	170
20	CHITINASE-LIKE1/POM-POM1 and Its Homolog CTL2 Are Glucan-Interacting Proteins Important for Cellulose Biosynthesis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 589-607.	3.1	158
21	Phosphatidylinositol 4,5-Bisphosphate Influences PIN Polarization by Controlling Clathrin-Mediated Membrane Trafficking in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 25, 4894-4911.	3.1	158
22	Carbon Supply and the Regulation of Cell Wall Synthesis. <i>Molecular Plant</i> , 2018, 11, 75-94.	3.9	158
23	Cellulose synthesis: a complex complex. <i>Current Opinion in Plant Biology</i> , 2008, 11, 252-257.	3.5	152
24	Live Cell Imaging Reveals Structural Associations between the Actin and Microtubule Cytoskeleton in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 2302-2313.	3.1	151
25	Genetic Evidence That Cellulose Synthase Activity Influences Microtubule Cortical Array Organization. <i>Plant Physiology</i> , 2008, 147, 1723-1734.	2.3	147
26	<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
27	GeneCAT: novel webtools that combine BLAST and co-expression analyses. <i>Nucleic Acids Research</i> , 2008, 36, W320-W326.	6.5	139
28	Subfunctionalization of Cellulose Synthases in Seed Coat Epidermal Cells Mediates Secondary Radial Wall Synthesis and Mucilage Attachment. <i>Plant Physiology</i> , 2011, 157, 441-453.	2.3	130
29	Large-Scale Co-Expression Approach to Dissect Secondary Cell Wall Formation Across Plant Species. <i>Frontiers in Plant Science</i> , 2011, 2, 23.	1.7	127
30	V-ATPase activity in the TGN/EE is required for exocytosis and recycling in <i>Arabidopsis</i> . <i>Nature Plants</i> , 2015, 1, 15094.	4.7	127
31	Transcriptional control of ROS homeostasis by KUODA1 regulates cell expansion during leaf development. <i>Nature Communications</i> , 2014, 5, 3767.	5.8	118
32	Golgi-localized STELLO proteins regulate the assembly and trafficking of cellulose synthase complexes in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2016, 7, 11656.	5.8	110
33	Expression atlas and comparative coexpression network analyses reveal important genes involved in the formation of lignified cell wall in <i>Brachypodium distachyon</i> . <i>New Phytologist</i> , 2017, 215, 1009-1025.	3.5	108
34	Phytohormones and the cell wall in <i>Arabidopsis</i> during seedling growth. <i>Trends in Plant Science</i> , 2010, 15, 291-301.	4.3	107
35	Cracking the elusive alignment hypothesis: the microtubule-cellulose synthase nexus unraveled. <i>Trends in Plant Science</i> , 2012, 17, 666-674.	4.3	106
36	Diversity of the protein disulfide isomerase family: Identification of breast tumor induced Hag2 and Hag3 as novel members of the protein family. <i>Molecular Phylogenetics and Evolution</i> , 2005, 36, 734-740.	1.2	103

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37	The impact of abiotic factors on cellulose synthesis. <i>Journal of Experimental Botany</i> , 2016, 67, 543-552.	2.4	99
38	Cellulose and callose synthesis and organization in focus, what's new?. <i>Current Opinion in Plant Biology</i> , 2016, 34, 9-16.	3.5	98
39	Plant Cytokinesis Is Orchestrated by the Sequential Action of the TRAPP II and Exocyst Tethering Complexes. <i>Developmental Cell</i> , 2014, 29, 607-620.	3.1	97
40	Beyond Genomics: Studying Evolution with Gene Coexpression Networks. <i>Trends in Plant Science</i> , 2017, 22, 298-307.	4.3	96
41	Cell Wall Heterogeneity in Root Development of Arabidopsis. <i>Frontiers in Plant Science</i> , 2016, 07, 1242.	1.7	93
42	The Ca ²⁺ Status of the Endoplasmic Reticulum Is Altered by Induction of Calreticulin Expression in Transgenic Plants. <i>Plant Physiology</i> , 2001, 126, 1092-1104.	2.3	92
43	Toward the Storage Metabolome: Profiling the Barley Vacuole. <i>Plant Physiology</i> , 2011, 157, 1469-1482.	2.3	92
44	Cellulose-Microtubule Uncoupling Proteins Prevent Lateral Displacement of Microtubules during Cellulose Synthesis in Arabidopsis. <i>Developmental Cell</i> , 2016, 38, 305-315.	3.1	92
45	Plant cell shape: modulators and measurements. <i>Frontiers in Plant Science</i> , 2013, 4, 439.	1.7	91
46	BRASSINOSTEROID INSENSITIVE2 negatively regulates cellulose synthesis in <i>Arabidopsis</i> by phosphorylating cellulose synthase 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3533-3538.	3.3	89
47	At the border: the plasma membrane-cell wall continuum. <i>Journal of Experimental Botany</i> , 2015, 66, 1553-1563.	2.4	82
48	Phylogenetic Analyses and Expression Studies Reveal Two Distinct Groups of Calreticulin Isoforms in Higher Plants. <i>Plant Physiology</i> , 2003, 133, 1385-1396.	2.3	73
49	Revisiting ancestral polyploidy in plants. <i>Science Advances</i> , 2017, 3, e1603195.	4.7	73
50	The companion of cellulose synthase 1 confers salt tolerance through a Tau-like mechanism in plants. <i>Nature Communications</i> , 2019, 10, 857.	5.8	71
51	Higher Plant Calreticulins Have Acquired Specialized Functions in Arabidopsis. <i>PLoS ONE</i> , 2010, 5, e11342.	1.1	69
52	Cellulose Synthesis and Cell Expansion Are Regulated by Different Mechanisms in Growing Arabidopsis Hypocotyls. <i>Plant Cell</i> , 2017, 29, 1305-1315.	3.1	67
53	Downregulation of the $\hat{\gamma}$ -Subunit Reduces Mitochondrial ATP Synthase Levels, Alters Respiration, and Restricts Growth and Gametophyte Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2792-2811.	3.1	66
54	Salt-Related MYB1 Coordinates Abscisic Acid Biosynthesis and Signaling during Salt Stress in Arabidopsis. <i>Plant Physiology</i> , 2015, 169, 1027-1041.	2.3	66

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55	FamNet: A Framework to Identify Multiplied Modules Driving Pathway Expansion in Plants. <i>Plant Physiology</i> , 2016, 170, 1878-1894.	2.3	63
56	Complete substitution of a secondary cell wall with a primary cell wall in Arabidopsis. <i>Nature Plants</i> , 2018, 4, 777-783.	4.7	63
57	Cellulose Synthesis – Central Components and Their Evolutionary Relationships. <i>Trends in Plant Science</i> , 2019, 24, 402-412.	4.3	62
58	Functional Characterization of Arabidopsis Calreticulin1a: A Key Alleviator of Endoplasmic Reticulum Stress. <i>Plant and Cell Physiology</i> , 2008, 49, 912-924.	1.5	61
59	Transcriptional Wiring of Cell Wall-Related Genes in Arabidopsis. <i>Molecular Plant</i> , 2009, 2, 1015-1024.	3.9	60
60	Root hair growth: it's a one way street. <i>F1000prime Reports</i> , 2015, 7, 23.	5.9	60
61	Two Complementary Mechanisms Underpin Cell Wall Patterning during Xylem Vessel Development. <i>Plant Cell</i> , 2017, 29, 2433-2449.	3.1	59
62	A Transcriptional and Metabolic Framework for Secondary Wall Formation in Arabidopsis. <i>Plant Physiology</i> , 2016, 172, pp.01100.2016.	2.3	57
63	Differential Regulation of Clathrin and Its Adaptor Proteins during Membrane Recruitment for Endocytosis. <i>Plant Physiology</i> , 2016, 171, 215-229.	2.3	56
64	Co-expression of cell-wall related genes: new tools and insights. <i>Frontiers in Plant Science</i> , 2012, 3, 83.	1.7	55
65	Identification of a novel calreticulin isoform (Crt2) in human and mouse. <i>Gene</i> , 2002, 297, 151-158.	1.0	54
66	Tricarboxylic Acid Cycle Activity Regulates Tomato Root Growth via Effects on Secondary Cell Wall Production. <i>Plant Physiology</i> , 2010, 153, 611-621.	2.3	54
67	Change your Tplate, change your fate: plant CME and beyond. <i>Trends in Plant Science</i> , 2015, 20, 41-48.	4.3	54
68	The elaborate route for UDP-arabinose delivery into the Golgi of plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4261-4266.	3.3	52
69	Feeding the Walls: How Does Nutrient Availability Regulate Cell Wall Composition?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2691.	1.8	52
70	Cellulose synthase complexes display distinct dynamic behaviors during xylem transdifferentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6366-E6374.	3.3	52
71	The Cellulose Synthases Are Cargo of the TPLATE Adaptor Complex. <i>Molecular Plant</i> , 2018, 11, 346-349.	3.9	51
72	Impaired Cellulose Synthase Guidance Leads to Stem Torsion and Twists Phyllotactic Patterns in Arabidopsis. <i>Current Biology</i> , 2013, 23, 895-900.	1.8	50

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73	Three AtCesA6-like members enhance biomass production by distinctively promoting cell growth in <i>Arabidopsis</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 976-988.	4.1	49
74	Cell wall integrity modulates <i>Arabidopsis thaliana</i> cell cycle gene expression in a cytokinin- and nitrate reductase-dependent manner. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	49
75	The FRIABLE1 Gene Product Affects Cell Adhesion in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2012, 7, e42914.	1.1	48
76	CESA TRAFFICKING INHIBITOR Inhibits Cellulose Deposition and Interferes with the Trafficking of Cellulose Synthase Complexes and Their Associated Proteins KORRIGAN1 and POM2/CELLULOSE SYNTHASE INTERACTIVE PROTEIN1. <i>Plant Physiology</i> , 2015, 167, 381-393.	2.3	46
77	Laying down the bricks: logistic aspects of cell wall biosynthesis. <i>Current Opinion in Plant Biology</i> , 2008, 11, 647-652.	3.5	45
78	Live-cell imaging of the cytoskeleton in elongating cotton fibres. <i>Nature Plants</i> , 2019, 5, 498-504.	4.7	45
79	System-wide organization of actin cytoskeleton determines organelle transport in hypocotyl plant cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5741-E5749.	3.3	44
80	AUXIN RESPONSE FACTORS 6 and 17 control the flag leaf angle in rice by regulating secondary cell wall biosynthesis of lamina joints. <i>Plant Cell</i> , 2021, 33, 3120-3133.	3.1	41
81	Atkinesin-13A Modulates Cell-Wall Synthesis and Cell Expansion in <i>Arabidopsis thaliana</i> via the THESEUS1 Pathway. <i>PLoS Genetics</i> , 2014, 10, e1004627.	1.5	40
82	Novel Disease Susceptibility Factors for Fungal Necrotrophic Pathogens in <i>Arabidopsis</i> . <i>PLoS Pathogens</i> , 2015, 11, e1004800.	2.1	40
83	Connecting two arrays: the emerging role of actin-microtubule cross-linking motor proteins. <i>Frontiers in Plant Science</i> , 2015, 6, 415.	1.7	39
84	Current and future advances in fluorescence-based visualization of plant cell wall components and cell wall biosynthetic machineries. <i>Biotechnology for Biofuels</i> , 2021, 14, 78.	6.2	39
85	GhMYB7 promotes secondary wall cellulose deposition in cotton fibres by regulating <i>GhCesA</i> gene expression through three distinct cis-elements. <i>New Phytologist</i> , 2021, 232, 1718-1737.	3.5	39
86	The connection of cytoskeletal network with plasma membrane and the cell wall. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 330-340.	4.1	37
87	Primary wall cellulose synthase regulates shoot apical meristem mechanics and growth. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	36
88	An Update on Xylan Synthesis. <i>Molecular Plant</i> , 2012, 5, 769-771.	3.9	31
89	The 2 ^o -O-methyladenosine nucleoside modification gene OsTRM13 positively regulates salt stress tolerance in rice. <i>Journal of Experimental Botany</i> , 2017, 68, 1479-1491.	2.4	31
90	Domestication of rice has reduced the occurrence of transposable elements within gene coding regions. <i>BMC Genomics</i> , 2017, 18, 55.	1.2	30

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91	Regulatory roles of phosphoinositides in membrane trafficking and their potential impact on cell-wall synthesis and re-modelling. <i>Annals of Botany</i> , 2014, 114, 1049-1057.	1.4	29
92	Cell cycle-regulated <i>PLEIADE</i> / <i>AtMAP65</i> links membrane and microtubule dynamics during plant cytokinesis. <i>Plant Journal</i> , 2016, 88, 531-541.	2.8	29
93	Investigation of CRISPR/Cas9-induced SD1 rice mutants highlights the importance of molecular characterization in plant molecular breeding. <i>Journal of Genetics and Genomics</i> , 2020, 47, 273-280.	1.7	29
94	Transition of primary to secondary cell wall synthesis. <i>Science Bulletin</i> , 2016, 61, 838-846.	4.3	28
95	Cellulose synthesis during cell plate assembly. <i>Physiologia Plantarum</i> , 2018, 164, 17-26.	2.6	27
96	A Golgi UDP-GlcNAc transporter delivers substrates for N-linked glycans and sphingolipids. <i>Nature Plants</i> , 2018, 4, 792-801.	4.7	27
97	Inhibition of TOR Represses Nutrient Consumption, Which Improves Greening after Extended Periods of Etiolation. <i>Plant Physiology</i> , 2018, 178, 101-117.	2.3	27
98	An integrated genomic and metabolomic framework for cell wall biology in rice. <i>BMC Genomics</i> , 2014, 15, 596.	1.2	26
99	Grass-Specific <i>EPAD1</i> Is Essential for Pollen Exine Patterning in Rice. <i>Plant Cell</i> , 2020, 32, 3961-3977.	3.1	26
100	Long-term single-cell imaging and simulations of microtubules reveal principles behind wall patterning during proto-xylem development. <i>Nature Communications</i> , 2021, 12, 669.	5.8	26
101	A G protein-coupled receptor-like module regulates cellulose synthase secretion from the endomembrane system in <i>Arabidopsis</i> . <i>Developmental Cell</i> , 2021, 56, 1484-1497.e7.	3.1	23
102	Xylan-based nanocompartments orchestrate plant vessel wall patterning. <i>Nature Plants</i> , 2022, 8, 295-306.	4.7	23
103	<i>AtCSLD3</i> and <i>GhCSLD3</i> mediate root growth and cell elongation downstream of the ethylene response pathway in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 1065-1080.	2.4	22
104	Structure of <i>Arabidopsis</i> CESA3 catalytic domain with its substrate UDP-glucose provides insight into the mechanism of cellulose synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
105	The Rice Actin-Binding Protein RMD Regulates Light-Dependent Shoot Gravitropism. <i>Plant Physiology</i> , 2019, 181, 630-644.	2.3	20
106	Diverging functions among calreticulin isoforms in higher plants. <i>Plant Signaling and Behavior</i> , 2011, 6, 905-910.	1.2	19
107	Paramutation-Like Interaction of T-DNA Loci in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2012, 7, e51651.	1.1	18
108	T-DNA-Induced Chromosomal Translocations in <i>feronia</i> and <i>anxur2</i> Mutants Reveal Implications for the Mechanism of Collapsed Pollen Due to Chromosomal Rearrangements. <i>Molecular Plant</i> , 2014, 7, 1591-1594.	3.9	17

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109	The Toolbox to Study Protein-Protein Interactions in Plants. <i>Critical Reviews in Plant Sciences</i> , 2018, 37, 308-334.	2.7	16
110	Associations between phytohormones and cellulose biosynthesis in land plants. <i>Annals of Botany</i> , 2020, 126, 807-824.	1.4	16
111	AtTrm5a catalyses 1-methylguanosine and 1-methylinosine formation on tRNAs and is important for vegetative and reproductive growth in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> , 2019, 47, 883-898.	6.5	15
112	Overexpression of the Ca ²⁺ -binding protein calreticulin in the endoplasmic reticulum improves growth of tobacco cell suspensions (<i>Nicotiana tabacum</i>) in high-Ca ²⁺ medium. <i>Physiologia Plantarum</i> , 2005, 123, 92-99.	2.6	14
113	The cellulose synthase companion proteins act non-redundantly with CELLULOSE SYNTHASE INTERACTING1/POM2 and CELLULOSE SYNTHASE 6. <i>Plant Signaling and Behavior</i> , 2016, 11, e1135281.	1.2	14
114	A network-based framework for shape analysis enables accurate characterization of leaf epidermal cells. <i>Nature Communications</i> , 2021, 12, 458.	5.8	14
115	Brassinosteroids Influence <i>Arabidopsis</i> Hypocotyl Gravidresponses through Changes in Mannans and Cellulose. <i>Plant and Cell Physiology</i> , 2021, 62, 678-692.	1.5	14
116	The OsJAZ1 degron modulates jasmonate signaling sensitivity during rice development. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	14
117	Cellulose squeezes through. <i>Nature Chemical Biology</i> , 2010, 6, 883-884.	3.9	13
118	Differential Regulation of Carbon Partitioning by the Central Growth Regulator Target of Rapamycin (TOR). <i>Molecular Plant</i> , 2013, 6, 1731-1733.	3.9	13
119	Sweet sorghum and <i>Miscanthus</i> : Two potential dedicated bioenergy crops in China. <i>Journal of Integrative Agriculture</i> , 2017, 16, 1236-1243.	1.7	13
120	Molecular and genetic pathways for optimizing spikelet development and grain yield. <i>ABIOTECH</i> , 2020, 1, 276-292.	1.8	13
121	Another brick in the wall. <i>Science</i> , 2015, 350, 156-157.	6.0	12
122	Not Just a Simple Sugar: Arabinose Metabolism and Function in Plants. <i>Plant and Cell Physiology</i> , 2021, 62, 1791-1812.	1.5	12
123	Secondary cell wall patterning—connecting the dots, pits and helices. <i>Open Biology</i> , 2022, 12, 210208.	1.5	12
124	Expression of bovine calmodulin in tobacco plants confers faster germination on saline media. <i>Plant Science</i> , 2004, 166, 1595-1604.	1.7	11
125	CytoSeg 2.0: automated extraction of actin filaments. <i>Bioinformatics</i> , 2020, 36, 2950-2951.	1.8	11
126	When a Day Makes a Difference. Interpreting Data from Endoplasmic Reticulum-Targeted Green Fluorescent Protein Fusions in Cells Grown in Suspension Culture. <i>Plant Physiology</i> , 2002, 128, 341-344.	2.3	10

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127	Co-ordination and divergence of cell-specific transcription and translation of genes in arabidopsis root cells. <i>Annals of Botany</i> , 2014, 114, 1109-1123.	1.4	10
128	Differentiation of Tracheary Elements in Sugarcane Suspension Cells Involves Changes in Secondary Wall Deposition and Extensive Transcriptional Reprogramming. <i>Frontiers in Plant Science</i> , 2020, 11, 617020.	1.7	10
129	CELLULOSE SYNTHASE INTERACTING 1 is required for wood mechanics and leaf morphology in aspen. <i>Plant Journal</i> , 2020, 103, 1858-1868.	2.8	10
130	Ectopic expression of OsJAZ6, which interacts with OsJAZ1, alters JA signaling and spikelet development in rice. <i>Plant Journal</i> , 2021, 108, 1083-1096.	2.8	10
131	Inferring gene functions through dissection of relevance networks: interleaving the intra- and inter-species views. <i>Molecular BioSystems</i> , 2012, 8, 2233.	2.9	9
132	Rice transcription factor MADS32 regulates floral patterning through interactions with multiple floral homeotic genes. <i>Journal of Experimental Botany</i> , 2021, 72, 2434-2449.	2.4	9
133	In vitro Microtubule Binding Assay and Dissociation Constant Estimation. <i>Bio-protocol</i> , 2016, 6, .	0.2	8
134	Quantitative analyses of the plant cytoskeleton reveal underlying organizational principles. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140362.	1.5	7
135	Quantification of Cytoskeletal Dynamics in Time-lapse Recordings. <i>Current Protocols in Plant Biology</i> , 2019, 4, e20091.	2.8	7
136	Synthetic biosensor for mapping dynamic responses and spatio-temporal distribution of jasmonate in rice. <i>Plant Biotechnology Journal</i> , 2021, 19, 2392-2394.	4.1	7
137	Fluorescent cytoskeletal markers reveal associations between the actin and microtubule cytoskeleton in rice cells. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	7
138	Bright Fluorescent Vacuolar Marker Lines Allow Vacuolar Tracing Across Multiple Tissues and Stress Conditions in Rice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4203.	1.8	5
139	Cell Wall Biology: Dual Control of Cellulose Synthase Guidance. <i>Current Biology</i> , 2020, 30, R232-R234.	1.8	5
140	Transcript and Metabolite Profiling for the Evaluation of Tobacco Tree and Poplar as Feedstock for the Bio-based Industry. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	3
141	The Plasma Membrane and the Cell Wall. <i>Plant Cell Monographs</i> , 2011, , 57-85.	0.4	2
142	The ER and Cell Calcium. <i>Plant Cell Monographs</i> , 2006, , 251-278.	0.4	1
143	ANALYZING GENE COEXPRESSION DATA BY AN EVOLUTIONARY MODEL. , 2010, , .		0
144	Salt with a sweet tooth: galactan synthesis impacts salt tolerance in Arabidopsis. <i>Molecular Plant</i> , 2021, 14, 361-363.	3.9	0