

Jocelyn K C Rose

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

148 papers	14,093 citations	67 h-index	118 g-index
206 ext. papers	17,229 ext. citations	8.7 avg, IF	6.46 L-index

#	Paper	IF	Citations
148	Phytophthora genome sequences uncover evolutionary origins and mechanisms of pathogenesis. <i>Science</i> , 2006 , 313, 1261-6	33.3	827
147	The formation and function of plant cuticles. <i>Plant Physiology</i> , 2013 , 163, 5-20	6.6	664
146	Genome sequence of the hot pepper provides insights into the evolution of pungency in Capsicum species. <i>Nature Genetics</i> , 2014 , 46, 270-8	36.3	594
145	The XTH family of enzymes involved in xyloglucan endotransglucosylation and endohydrolysis: current perspectives and a new unifying nomenclature. <i>Plant and Cell Physiology</i> , 2002 , 43, 1421-35	4.9	568
144	Cooperative disassembly of the cellulose-xyloglucan network of plant cell walls: parallels between cell expansion and fruit ripening. <i>Trends in Plant Science</i> , 1999 , 4, 176-183	13.1	364
143	A critical evaluation of sample extraction techniques for enhanced proteomic analysis of recalcitrant plant tissues. <i>Proteomics</i> , 2004 , 4, 2522-32	4.8	342
142	Sample extraction techniques for enhanced proteomic analysis of plant tissues. <i>Nature Protocols</i> , 2006 , 1, 769-74	18.8	333
141	Fleshy fruit expansion and ripening are regulated by the Tomato SHATTERPROOF gene TAGL1. <i>Plant Cell</i> , 2009 , 21, 3041-62	11.6	311
140	A reevaluation of the key factors that influence tomato fruit softening and integrity. <i>Plant Physiology</i> , 2007 , 144, 1012-28	6.6	274
139	The genome of the stress-tolerant wild tomato species <i>Solanum pennellii</i> . <i>Nature Genetics</i> , 2014 , 46, 1034-8	36.3	269
138	Tackling the plant proteome: practical approaches, hurdles and experimental tools. <i>Plant Journal</i> , 2004 , 39, 715-33	6.9	264
137	Temporal sequence of cell wall disassembly in rapidly ripening melon fruit. <i>Plant Physiology</i> , 1998 , 117, 345-61	6.6	246
136	Systems biology of tomato fruit development: combined transcript, protein, and metabolite analysis of tomato transcription factor (nor, rin) and ethylene receptor (Nr) mutants reveals novel regulatory interactions. <i>Plant Physiology</i> , 2011 , 157, 405-25	6.6	245
135	Arabidopsis LTPG is a glycosylphosphatidylinositol-anchored lipid transfer protein required for export of lipids to the plant surface. <i>Plant Cell</i> , 2009 , 21, 1230-8	11.6	234
134	The linkage between cell wall metabolism and fruit softening: looking to the future. <i>Journal of the Science of Food and Agriculture</i> , 2007 , 87, 1435-1448	4.3	233
133	The biochemistry and biology of extracellular plant lipid-transfer proteins (LTPs). <i>Protein Science</i> , 2008 , 17, 191-8	6.3	204
132	ESTs, cDNA microarrays, and gene expression profiling: tools for dissecting plant physiology and development. <i>Plant Journal</i> , 2004 , 39, 697-714	6.9	203

131	Fruit Softening: Revisiting the Role of Pectin. <i>Trends in Plant Science</i> , 2018 , 23, 302-310	13.1	196
130	Cutin deficiency in the tomato fruit cuticle consistently affects resistance to microbial infection and biomechanical properties, but not transpirational water loss. <i>Plant Journal</i> , 2009 , 60, 363-77	6.9	193
129	Nomenclature for members of the expansin superfamily of genes and proteins. <i>Plant Molecular Biology</i> , 2004 , 55, 311-4	4.6	192
128	The Plant Polyester Cutin: Biosynthesis, Structure, and Biological Roles. <i>Annual Review of Plant Biology</i> , 2016 , 67, 207-33	30.7	183
127	Malate plays a crucial role in starch metabolism, ripening, and soluble solid content of tomato fruit and affects postharvest softening. <i>Plant Cell</i> , 2011 , 23, 162-84	11.6	174
126	Auxin-regulated genes encoding cell wall-modifying proteins are expressed during early tomato fruit growth. <i>Plant Physiology</i> , 2000 , 122, 527-34	6.6	173
125	The charophycean green algae provide insights into the early origins of plant cell walls. <i>Plant Journal</i> , 2011 , 68, 201-11	6.9	172
124	Molecular cloning and characterization of glucanase inhibitor proteins: coevolution of a counterdefense mechanism by plant pathogens. <i>Plant Cell</i> , 2002 , 14, 1329-45	11.6	166
123	Tissue- and cell-type specific transcriptome profiling of expanding tomato fruit provides insights into metabolic and regulatory specialization and cuticle formation. <i>Plant Cell</i> , 2011 , 23, 3893-910	11.6	162
122	A surprising diversity and abundance of xyloglucan endotransglucosylase/hydrolases in rice. Classification and expression analysis. <i>Plant Physiology</i> , 2004 , 134, 1088-99	6.6	159
121	Adaptive horizontal transfer of a bacterial gene to an invasive insect pest of coffee. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4197-202	11.5	157
120	Auxin regulation and spatial localization of an endo-1,4-beta-D-glucanase and a xyloglucan endotransglycosylase in expanding tomato hypocotyls. <i>Plant Journal</i> , 1997 , 12, 417-26	6.9	157
119	Genetic improvement of tomato by targeted control of fruit softening. <i>Nature Biotechnology</i> , 2016 , 34, 950-2	44.5	155
118	Characterization of a new xyloglucan endotransglucosylase/hydrolase (XTH) from ripening tomato fruit and implications for the diverse modes of enzymic action. <i>Plant Journal</i> , 2006 , 47, 282-95	6.9	146
117	There's more than one way to skin a fruit: formation and functions of fruit cuticles. <i>Journal of Experimental Botany</i> , 2014 , 65, 4639-51	7	143
116	The identification of cutin synthase: formation of the plant polyester cutin. <i>Nature Chemical Biology</i> , 2012 , 8, 609-11	11.7	142
115	High-resolution spatiotemporal transcriptome mapping of tomato fruit development and ripening. <i>Nature Communications</i> , 2018 , 9, 364	17.4	131
114	Ethylene regulation of fruit softening and cell wall disassembly in Charentais melon. <i>Journal of Experimental Botany</i> , 2007 , 58, 1281-90	7	131

113	Cellulose microfibril crystallinity is reduced by mutating C-terminal transmembrane region residues CESA1A903V and CESA3T942I of cellulose synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4098-103	11.5	130
112	Polygalacturonase gene expression in ripe melon fruit supports a role for polygalacturonase in ripening-associated pectin disassembly. <i>Plant Physiology</i> , 1998 , 117, 363-73	6.6	126
111	Regulation of ripening and opportunities for control in tomato and other fruits. <i>Plant Biotechnology Journal</i> , 2013 , 11, 269-78	11.6	124
110	Overexpression of INFLORESCENCE DEFICIENT IN ABSCISSION activates cell separation in vestigial abscission zones in Arabidopsis. <i>Plant Cell</i> , 2006 , 18, 1467-76	11.6	121
109	The tomato SISHINE3 transcription factor regulates fruit cuticle formation and epidermal patterning. <i>New Phytologist</i> , 2013 , 197, 468-480	9.8	112
108	Detection of expansin proteins and activity during tomato fruit ontogeny. <i>Plant Physiology</i> , 2000 , 123, 1583-92	6.6	104
107	Biology and genetic engineering of fruit maturation for enhanced quality and shelf-life. <i>Current Opinion in Biotechnology</i> , 2009 , 20, 197-203	11.4	103
106	Catalyzing plant science research with RNA-seq. <i>Frontiers in Plant Science</i> , 2013 , 4, 66	6.2	102
105	The Charophycean green algae as model systems to study plant cell walls and other evolutionary adaptations that gave rise to land plants. <i>Plant Signaling and Behavior</i> , 2012 , 7, 1-3	2.5	100
104	Limited correlation between expansin gene expression and elongation growth rate. <i>Plant Physiology</i> , 2000 , 123, 1399-414	6.6	98
103	The Genome of <i>Artemisia annua</i> Provides Insight into the Evolution of Asteraceae Family and Artemisinin Biosynthesis. <i>Molecular Plant</i> , 2018 , 11, 776-788	14.4	97
102	Activator mutagenesis of the pink scutellum1/viviparous7 locus of maize. <i>Plant Cell</i> , 2003 , 15, 874-84	11.6	95
101	A secreted effector protein (SNE1) from <i>Phytophthora infestans</i> is a broadly acting suppressor of programmed cell death. <i>Plant Journal</i> , 2010 , 62, 357-66	6.9	92
100	Three-dimensional imaging of plant cuticle architecture using confocal scanning laser microscopy. <i>Plant Journal</i> , 2009 , 60, 378-85	6.9	91
99	Characterization of a tomato protein that inhibits a xyloglucan-specific endoglucanase. <i>Plant Journal</i> , 2003 , 34, 327-38	6.9	89
98	A phenol-enriched cuticle is ancestral to lignin evolution in land plants. <i>Nature Communications</i> , 2017 , 8, 14713	17.4	87
97	Differential expression of seven alpha-expansin genes during growth and ripening of pear fruit. <i>Physiologia Plantarum</i> , 2003 , 117, 564-572	4.6	87
96	Interspecific reproductive barriers in the tomato clade: opportunities to decipher mechanisms of reproductive isolation. <i>Sexual Plant Reproduction</i> , 2011 , 24, 171-87		86

95	Antisense inhibition of a pectate lyase gene supports a role for pectin depolymerization in strawberry fruit softening. <i>Journal of Experimental Botany</i> , 2008 , 59, 2769-79	7	84
94	Digging deeper into the plant cell wall proteome. <i>Plant Physiology and Biochemistry</i> , 2004 , 42, 979-88	5.4	84
93	Straying off the highway: trafficking of secreted plant proteins and complexity in the plant cell wall proteome. <i>Plant Physiology</i> , 2010 , 153, 433-6	6.6	83
92	Two oxidosqualene cyclases responsible for biosynthesis of tomato fruit cuticular triterpenoids. <i>Plant Physiology</i> , 2011 , 155, 540-52	6.6	83
91	Quantitative proteomic analysis reveals that antioxidation mechanisms contribute to cold tolerance in plantain (<i>Musa paradisiaca</i> L.; ABB Group) seedlings. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1853-69	7.6	80
90	Ethylene suppresses tomato (<i>Solanum lycopersicum</i>) fruit set through modification of gibberellin metabolism. <i>Plant Journal</i> , 2015 , 83, 237-51	6.9	76
89	Pectin metabolism and assembly in the cell wall of the charophyte green alga <i>Penium margaritaceum</i> . <i>Plant Physiology</i> , 2014 , 165, 105-18	6.6	76
88	The fruit cuticles of wild tomato species exhibit architectural and chemical diversity, providing a new model for studying the evolution of cuticle function. <i>Plant Journal</i> , 2012 , 69, 655-66	6.9	72
87	Fruit cuticle lipid composition during development in tomato ripening mutants. <i>Physiologia Plantarum</i> , 2010 , 139, 107-17	4.6	72
86	Structural organization and a standardized nomenclature for plant endo-1,4-beta-glucanases (cellulases) of glycosyl hydrolase family 9. <i>Plant Physiology</i> , 2007 , 144, 1693-6	6.6	72
85	An ATP binding cassette transporter is required for cuticular wax deposition and desiccation tolerance in the moss <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2013 , 25, 4000-13	11.6	71
84	Tomato Cutin Deficient 1 (CD1) and putative orthologs comprise an ancient family of cutin synthase-like (CUS) proteins that are conserved among land plants. <i>Plant Journal</i> , 2014 , 77, 667-75	6.9	70
83	Characterization of a tomato xyloglucan endotransglycosylase gene that is down-regulated by auxin in etiolated hypocotyls. <i>Plant Physiology</i> , 2001 , 127, 1180-92	6.6	70
82	Plant glycosyl hydrolases and biofuels: a natural marriage. <i>Current Opinion in Plant Biology</i> , 2008 , 11, 329-37	9.9	67
81	Mining the surface proteome of tomato (<i>Solanum lycopersicum</i>) fruit for proteins associated with cuticle biogenesis. <i>Journal of Experimental Botany</i> , 2010 , 61, 3759-71	7	64
80	The plot thickens: New perspectives of primary cell wall modification. <i>Current Opinion in Plant Biology</i> , 2004 , 7, 296-301	9.9	64
79	Mediation of the transition from biotrophy to necrotrophy in hemibiotrophic plant pathogens by secreted effector proteins. <i>Plant Signaling and Behavior</i> , 2010 , 5, 769-72	2.5	63
78	The <i>Penium margaritaceum</i> Genome: Hallmarks of the Origins of Land Plants. <i>Cell</i> , 2020 , 181, 1097-1111	5.612	62

77	Cutin and suberin: assembly and origins of specialized lipidic cell wall scaffolds. <i>Current Opinion in Plant Biology</i> , 2020 , 55, 11-20	9.9	57
76	Multiple features that distinguish unilateral incongruity and self-incompatibility in the tomato clade. <i>Plant Journal</i> , 2010 , 64, 367-78	6.9	57
75	Enabling proteomic studies with RNA-Seq: The proteome of tomato pollen as a test case. <i>Proteomics</i> , 2012 , 12, 761-74	4.8	56
74	Cloning, expression and characterization of a family-74 xyloglucanase from <i>Thermobifida fusca</i> . <i>FEBS Journal</i> , 2003 , 270, 3083-91		56
73	Expression of ripening-related genes in cold-stored tomato fruit. <i>Postharvest Biology and Technology</i> , 2011 , 61, 1-14	6.2	54
72	Towards characterization of the glycoproteome of tomato (<i>Solanum lycopersicum</i>) fruit using Concanavalin A lectin affinity chromatography and LC-MALDI-MS/MS analysis. <i>Proteomics</i> , 2011 , 11, 1530-44	4.8	54
71	The Glycerol-3-Phosphate Acyltransferase GPAT6 from Tomato Plays a Central Role in Fruit Cutin Biosynthesis. <i>Plant Physiology</i> , 2016 , 171, 894-913	6.6	54
70	Structure of the glucanase inhibitor protein (GIP) family from phytophthora species suggests coevolution with plant endo-beta-1,3-glucanases. <i>Molecular Plant-Microbe Interactions</i> , 2008 , 21, 820-30	3.6	53
69	A functional screen to characterize the secretomes of eukaryotic pathogens and their hosts in planta. <i>Molecular Plant-Microbe Interactions</i> , 2006 , 19, 1368-77	3.6	51
68	Proteinaceous inhibitors of endo-beta-glucanases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004 , 1696, 223-33	4	50
67	Transcriptional dynamics of <i>Phytophthora infestans</i> during sequential stages of hemibiotrophic infection of tomato. <i>Molecular Plant Pathology</i> , 2016 , 17, 29-41	5.7	49
66	Expansin protein levels decline with the development of mealiness in peaches. <i>Postharvest Biology and Technology</i> , 2003 , 29, 11-18	6.2	49
65	A tomato endo-beta-1,4-glucanase, SlCel9C1, represents a distinct subclass with a new family of carbohydrate binding modules (CBM49). <i>Journal of Biological Chemistry</i> , 2007 , 282, 12066-74	5.4	48
64	Tissue-specific transcriptome profiling of the citrus fruit epidermis and subepidermis using laser capture microdissection. <i>Journal of Experimental Botany</i> , 2010 , 61, 3321-30	7	46
63	Stable transformation and reverse genetic analysis of <i>Penium margaritaceum</i> : a platform for studies of charophyte green algae, the immediate ancestors of land plants. <i>Plant Journal</i> , 2014 , 77, 339-51	6.9	45
62	Cuticle Biosynthesis in Tomato Leaves Is Developmentally Regulated by Absciscic Acid. <i>Plant Physiology</i> , 2017 , 174, 1384-1398	6.6	43
61	A comparative study of lectin affinity based plant N-glycoproteome profiling using tomato fruit as a model. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 566-79	7.6	43
60	Development and validation of genetic markers for sex and cannabinoid chemotype in <i>Cannabis sativa</i> L.. <i>GCB Bioenergy</i> , 2020 , 12, 213-222	5.6	42

59	The secreted plant N-glycoproteome and associated secretory pathways. <i>Frontiers in Plant Science</i> , 2012 , 3, 117	6.2	42
58	The respiratory climacteric is present in Charentais (Cucumis melocv. Reticulatus F1 Alpha) melons ripened on or off the plant. <i>Journal of Experimental Botany</i> , 1995 , 46, 1923-1925	7	42
57	The Tomato Expression Atlas. <i>Bioinformatics</i> , 2017 , 33, 2397-2398	7.2	39
56	Comparative characterization of the glycosylation profiles of an influenza hemagglutinin produced in plant and insect hosts. <i>Proteomics</i> , 2012 , 12, 1269-88	4.8	38
55	Cell wall metabolism in cold-stored tomato fruit. <i>Postharvest Biology and Technology</i> , 2010 , 57, 106-113	6.2	38
54	Developmental onset of reproductive barriers and associated proteome changes in stigma/styles of <i>Solanum pennellii</i> . <i>Journal of Experimental Botany</i> , 2013 , 64, 265-79	7	37
53	Manipulation of β -carotene levels in tomato fruits results in increased ABA content and extended shelf life. <i>Plant Biotechnology Journal</i> , 2020 , 18, 1185-1199	11.6	36
52	Cell wall composition profiling of parasitic giant dodder (<i>Cuscuta reflexa</i>) and its hosts: a priori differences and induced changes. <i>New Phytologist</i> , 2015 , 207, 805-16	9.8	34
51	Transcriptome Analysis of Mango (<i>Mangifera indica</i> L.) Fruit Epidermal Peel to Identify Putative Cuticle-Associated Genes. <i>Scientific Reports</i> , 2017 , 7, 46163	4.9	31
50	A relationship between tomato fruit softening, cuticle properties and water availability. <i>Food Chemistry</i> , 2019 , 295, 300-310	8.5	31
49	Dissecting the molecular signatures of apical cell-type shoot meristems from two ancient land plant lineages. <i>New Phytologist</i> , 2015 , 207, 893-904	9.8	31
48	Use of a secretion trap screen in pepper following <i>Phytophthora capsici</i> infection reveals novel functions of secreted plant proteins in modulating cell death. <i>Molecular Plant-Microbe Interactions</i> , 2011 , 24, 671-84	3.6	30
47	Analysis of the tomato leaf transcriptome during successive hemibiotrophic stages of a compatible interaction with the oomycete pathogen <i>Phytophthora infestans</i> . <i>Molecular Plant Pathology</i> , 2016 , 17, 42-54	5.7	28
46	Natural Variation Underlies Differences in ETHYLENE RESPONSE FACTOR17 Activity in Fruit Peel Degreening. <i>Plant Physiology</i> , 2018 , 176, 2292-2304	6.6	27
45	CUTIN SYNTHASE 2 Maintains Progressively Developing Cuticular Ridges in Arabidopsis Sepals. <i>Molecular Plant</i> , 2017 , 10, 560-574	14.4	26
44	Identification of eukaryotic secreted and cell surface proteins using the yeast secretion trap screen. <i>Nature Protocols</i> , 2006 , 1, 2439-47	18.8	24
43	The postharvest tomato fruit quality of long shelf-life Mediterranean landraces is substantially influenced by irrigation regimes. <i>Postharvest Biology and Technology</i> , 2014 , 93, 114-121	6.2	23
42	Genetic and metabolic effects of ripening mutations and vine detachment on tomato fruit quality. <i>Plant Biotechnology Journal</i> , 2020 , 18, 106-118	11.6	23

41	A coupled yeast signal sequence trap and transient plant expression strategy to identify genes encoding secreted proteins from peach pistils. <i>Journal of Experimental Botany</i> , 2005 , 56, 2229-38	7	21
40	Progress toward the tomato fruit cell wall proteome. <i>Frontiers in Plant Science</i> , 2013 , 4, 159	6.2	19
39	Solid-State (13)C NMR Delineates the Architectural Design of Biopolymers in Native and Genetically Altered Tomato Fruit Cuticles. <i>Biomacromolecules</i> , 2016 , 17, 215-24	6.9	19
38	Application of wide selected-ion monitoring data-independent acquisition to identify tomato fruit proteins regulated by the CUTIN DEFICIENT2 transcription factor. <i>Proteomics</i> , 2016 , 16, 2081-94	4.8	19
37	Laser microdissection of tomato fruit cell and tissue types for transcriptome profiling. <i>Nature Protocols</i> , 2016 , 11, 2376-2388	18.8	18
36	TATA Box Insertion Provides a Selection Mechanism Underpinning Adaptations to Fe Deficiency. <i>Plant Physiology</i> , 2017 , 173, 715-727	6.6	18
35	Orthology Analysis and In Vivo Complementation Studies to Elucidate the Role of DIR1 during Systemic Acquired Resistance in <i>Arabidopsis thaliana</i> and <i>Cucumis sativus</i> . <i>Frontiers in Plant Science</i> , 2016 , 7, 566	6.2	17
34	Characterization of a Tomato Xyloglucan Endotransglycosylase Gene That Is Down-Regulated by Auxin in Etiolated Hypocotyls		16
33	Season-long characterization of high-cannabinoid hemp (<i>Cannabis sativa</i> L.) reveals variation in cannabinoid accumulation, flowering time, and disease resistance. <i>GCB Bioenergy</i> , 2021 , 13, 546-561	5.6	16
32	Function of the HYDROXYCINNAMOYL-CoA:SHIKIMATE HYDROXYCINNAMOYL TRANSFERASE is evolutionarily conserved in embryophytes. <i>Plant Cell</i> , 2021 , 33, 1472-1491	11.6	13
31	Identification of tomato introgression lines with enhanced susceptibility or resistance to infection by parasitic giant dodder (<i>Cuscuta reflexa</i>). <i>Physiologia Plantarum</i> , 2018 , 162, 205-218	4.6	13
30	A yeast secretion trap assay for identification of secreted proteins from eukaryotic phytopathogens and their plant hosts. <i>Methods in Molecular Biology</i> , 2012 , 835, 519-30	1.4	11
29	The tomato gene contributes to regulation of fruit ripening. <i>Horticulture Research</i> , 2019 , 6, 15	7.7	10
28	Glycerol-3-phosphate acyltransferase 6 controls filamentous pathogen interactions and cell wall properties of the tomato and <i>Nicotiana benthamiana</i> leaf epidermis. <i>New Phytologist</i> , 2019 , 223, 1547-1559	9.8	9
27	The Secretome and N-Glycosylation Profiles of the Charophycean Green Alga, <i>Penium margaritaceum</i> , Resemble Those of Embryophytes. <i>Proteomes</i> , 2018 , 6,	4.6	9
26	Comparative genomics of muskmelon reveals a potential role for retrotransposons in the modification of gene expression. <i>Communications Biology</i> , 2020 , 3, 432	6.7	9
25	Experimental Manipulation of Pectin Architecture in the Cell Wall of the Unicellular Charophyte,. <i>Frontiers in Plant Science</i> , 2020 , 11, 1032	6.2	8
24	Isolation and manipulation of protoplasts from the unicellular green alga <i>Penium margaritaceum</i> . <i>Plant Methods</i> , 2018 , 14,	5.8	7

23	Cell Wall Architecture and Metabolism in Ripening Fruit and the Complex Relationship with Softening 2013 , 163-187		7
22	Transpiration from Tomato Fruit Occurs Primarily via Trichome-Associated Transcuticular Polar Pores. <i>Plant Physiology</i> , 2020 , 184, 1840-1852	6.6	7
21	The Tomato Guanylate-Binding Protein SlGBP1 Enables Fruit Tissue Differentiation by Maintaining Endopolyploid Cells in a Non-Proliferative State. <i>Plant Cell</i> , 2020 , 32, 3188-3205	11.6	7
20	Cell Wall Disassembly 2018 , 264-324		6
19	Surveying the Plant Cell Wall Proteome, or Secretome 185-209		6
18	Apple Ripening Is Controlled by a NAC Transcription Factor. <i>Frontiers in Genetics</i> , 2021 , 12, 671300	4.5	6
17	Mining secreted proteins that function in pepper fruit development and ripening using a yeast secretion trap (YST). <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 882-8	3.4	5
16	Callose deposition is essential for the completion of cytokinesis in the unicellular alga. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	5
15	An HD-ZIP-MYB complex regulates glandular secretory trichome initiation in <i>Artemisia annua</i> . <i>New Phytologist</i> , 2021 , 231, 2050-2064	9.8	5
14	Limited effect of environmental stress on cannabinoid profiles in high-cannabidiol hemp (<i>Cannabis sativa</i> L.). <i>GCB Bioenergy</i> , 2021 , 13, 1666-1674	5.6	5
13	Endomembrane architecture and dynamics during secretion of the extracellular matrix of the unicellular charophyte, <i>Penium margaritaceum</i> . <i>Journal of Experimental Botany</i> , 2020 , 71, 3323-3339	7	4
12	Synthesis and Oligomerization of 10,16-Dihydroxyhexadecanoyl Esters with Different Head-Groups for the Study of CUS1 Selectivity. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 5704-5708	3.2	4
11	The WRKY transcription factor AaGSW2 promotes glandular trichome initiation in <i>Artemisia annua</i> . <i>Journal of Experimental Botany</i> , 2021 , 72, 1691-1701	7	4
10	Characterization of the plant cell wall proteome using high-throughput screens. <i>Methods in Molecular Biology</i> , 2011 , 715, 255-72	1.4	3
9	Apple ripening is controlled by a NAC transcription factor		3
8	The Genome of the Charophyte Alga <i>Penium margaritaceum</i> Bears Footprints of the Evolutionary Origins of Land Plants		3
7	A tomato LATERAL ORGAN BOUNDARIES transcription factor, , predominantly regulates cell wall and softening components of ripening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
6	Biochemical and physiological flexibility accompanies reduced cellulose biosynthesis in <i>Brachypodium</i> . <i>AoB PLANTS</i> , 2019 , 11, plz041	2.9	2

- 5 Morphometric relationships and their contribution to biomass and cannabinoid yield in hybrids of hemp (*Cannabis sativa*). *Journal of Experimental Botany*, **2021**, 72, 7694-7709 7 2
- 4 Trafficking Processes and Secretion Pathways Underlying the Formation of Plant Cuticles.. *Frontiers in Plant Science*, **2021**, 12, 786874 6.2 1
- 3 Surveying the Plant Cell Wall Proteome, or Secretome **2018**, 185-209 1
- 2 Plant Cell Walls in the Post-Genomic Era **2018**, 325-375 1
- 1 GENE EXPRESSION AND ACTIVITIES OF CELL WALL-ASSOCIATED ENZYMES IN COLD-STORED TOMATO FRUIT. *Hortscience: A Publication of the American Society for Horticultural Science*, **2006**, 41, 494C-494 2.4