

# Jozef Samaj

## List of Publications by Year in Descending Order

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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.

192  
papers

8,024  
citations

50  
h-index

83  
g-index

212  
ext. papers

9,674  
ext. citations

6.6  
avg, IF

5.81  
L-index

#	Paper	IF	Citations
192	Imaging plant cells and organs with light-sheet and super-resolution microscopy.. <i>Plant Physiology</i> , <b>2022</b> , 188, 683-702	6.6	6
191	Iron Superoxide Dismutase FSD1 Protects Against Methyl Viologen-Induced Oxidative Stress in a Copper-Dependent Manner.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 823561	6.2	0
190	HEAT SHOCK PROTEIN 90 proteins and YODA regulate main body axis formation during early embryogenesis. <i>Plant Physiology</i> , <b>2021</b> , 186, 1526-1544	6.6	2
189	TALEN-Based Knock-Out Attenuates Proteome and Root Hair Phenotypic Responses to flg22 in Barley. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 666229	6.2	1
188	Overexpression of alfalfa SIMK promotes root hair growth, nodule clustering and shoot biomass production. <i>Plant Biotechnology Journal</i> , <b>2021</b> , 19, 767-784	11.6	4
187	In vivo light-sheet microscopy resolves localisation patterns of FSD1, a superoxide dismutase with function in root development and osmoprotection. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 68-87	8.4	8
186	Analysis of formin functions during cytokinesis using specific inhibitor SMIFH2. <i>Plant Physiology</i> , <b>2021</b> , 186, 945-963	6.6	3
185	Single Amino Acid Exchange in ACTIN2 Confers Increased Tolerance to Oxidative Stress in Arabidopsis Mutant. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
184	GR24, A Synthetic Strigolactone Analog, and Light Affect the Organization of Cortical Microtubules in Arabidopsis Hypocotyl Cells. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 675981	6.2	2
183	CRISPR/Cas9-Induced Loss-of-Function Mutation in the Barley Gene Causes Abnormal Embryo Development Leading to Severely Reduced Grain Germination and Seedling Shootless Phenotype. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 670302	6.2	1
182	Zebularine induces enzymatic DNA-protein crosslinks in 45S rDNA heterochromatin of Arabidopsis nuclei.. <i>Nucleic Acids Research</i> , <b>2021</b> ,	20.1	3
181	Super-resolution imaging of microtubules in Medicago sativa. <i>Methods in Cell Biology</i> , <b>2020</b> , 160, 237-251.	11.8	4
180	Biotechnological Perspectives of Omics and Genetic Engineering Methods in Alfalfa. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 592	6.2	5
179	Complementary Superresolution Visualization of Composite Plant Microtubule Organization and Dynamics. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 693	6.2	6
178	Spatiotemporal Pattern of Ectopic Cell Divisions Contribute to Mis-Shaped Phenotype of Primary and Lateral Roots of Mutant. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 734	6.2	9
177	FSD1: developmentally-regulated plastidial, nuclear and cytoplasmic enzyme with anti-oxidative and osmoprotective role. <i>Plant, Cell and Environment</i> , <b>2020</b> ,	8.4	2
176	YODA-HSP90 Module Regulates Phosphorylation-Dependent Inactivation of SPEECHLESS to Control Stomatal Development under Acute Heat Stress in Arabidopsis. <i>Molecular Plant</i> , <b>2020</b> , 13, 612-633	14.4	34

175	A Dual Strategy of Breeding for Drought Tolerance and Introducing Drought-Tolerant, Underutilized Crops into Production Systems to Enhance Their Resilience to Water Deficiency. <i>Plants</i> , <b>2020</b> , 9,	4.5	6
174	Uncovering the Genetic Networks Driving Stomatal Lineage Development. <i>Molecular Plant</i> , <b>2020</b> , 13, 1355-1357	14.4	2
173	HSP90 chaperones regulate stomatal differentiation under normal and heat stress conditions. <i>Plant Signaling and Behavior</i> , <b>2020</b> , 15, 1789817	2.5	4
172	The Tetracentron genome provides insight into the early evolution of eudicots and the formation of vessel elements. <i>Genome Biology</i> , <b>2020</b> , 21, 291	18.3	5
171	Advanced Microscopy Reveals Complex Developmental and Subcellular Localization Patterns of ANNEXIN 1 in. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 1153	6.2	7
170	Tissue culture, genetic transformation, interaction with beneficial microbes, and modern bio-imaging techniques in alfalfa research. <i>Critical Reviews in Biotechnology</i> , <b>2020</b> , 40, 1265-1280	9.4	4
169	Cytokinin fluoroprobe reveals multiple sites of cytokinin perception at plasma membrane and endoplasmic reticulum. <i>Nature Communications</i> , <b>2020</b> , 11, 4285	17.4	29
168	Multifaceted roles of HEAT SHOCK PROTEIN 90 molecular chaperones in plant development. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 3966-3985	7	15
167	Signaling Toward Reactive Oxygen Species-Scavenging Enzymes in Plants. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 618835	6.2	28
166	Nuclear Disposition of Alien Chromosome Introgressions into Wheat and Rye Using 3D-FISH. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	5
165	Recent Advances in the Cellular and Developmental Biology of Phospholipases in Plants. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 362	6.2	21
164	Instability of Alien Chromosome Introgressions in Wheat Associated with Improper Positioning in the Nucleus. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
163	Phosphorylation of Plant Microtubule-Associated Proteins During Cell Division. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 238	6.2	11
162	Proteomic Analysis of Arabidopsis Mutants Revealed an Important Role of Phospholipase D Alpha 1 in Chloroplast Biogenesis. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 89	6.2	6
161	Biochemical and Genetic Interactions of Phospholipase D Alpha 1 and Mitogen-Activated Protein Kinase 3 Affect Arabidopsis Stress Response. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 275	6.2	9
160	Phosphorylation-Mediated Dynamics of Nitrate Transceptor NRT1.1 Regulate Auxin Flux and Nitrate Signaling in Lateral Root Growth. <i>Plant Physiology</i> , <b>2019</b> , 181, 480-498	6.6	42
159	Secretion of Phospholipase D Functions as a Regulatory Mechanism in Plant Innate Immunity. <i>Plant Cell</i> , <b>2019</b> , 31, 3015-3032	11.6	27
158	Shot-Gun Proteomic Analysis on Roots of Arabidopsis Mutants Suggesting the Involvement of PLD in Mitochondrial Protein Import, Vesicular Trafficking and Glucosinolate Biosynthesis. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 20,	6.3	2

157	Cell and Developmental Biology of Plant Mitogen-Activated Protein Kinases. <i>Annual Review of Plant Biology</i> , <b>2018</b> , 69, 237-265	30.7	44
156	Advanced microscopy methods for bioimaging of mitotic microtubules in plants. <i>Methods in Cell Biology</i> , <b>2018</b> , 145, 129-158	1.8	8
155	Gene Expression Pattern and Protein Localization of Arabidopsis Phospholipase D Alpha 1 Revealed by Advanced Light-Sheet and Super-Resolution Microscopy. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 371	6.2	22
154	Cytoskeleton in the Parasitic Plant During Germination and Prehaustorium Formation. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 794	6.2	7
153	Comparative Digital Gene Expression Analysis of Tissue-Cultured Plantlets of Highly Resistant and Susceptible Banana Cultivars in Response to <i>Fusarium oxysporum</i> . <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	14
152	Single-point ACT2 gene mutation in the Arabidopsis root hair mutant <i>der1-3</i> affects overall actin organization, root growth and plant development. <i>Annals of Botany</i> , <b>2018</b> , 122, 889-901	4.1	10
151	Expression of tomato prosystemin gene in Arabidopsis reveals systemic translocation of its mRNA and confers necrotrophic fungal resistance. <i>New Phytologist</i> , <b>2018</b> , 217, 799-812	9.8	17
150	Advances in Imaging Plant Cell Dynamics. <i>Plant Physiology</i> , <b>2018</b> , 176, 80-93	6.6	46
149	Multiscale imaging of plant development by light-sheet fluorescence microscopy. <i>Nature Plants</i> , <b>2018</b> , 4, 639-650	11.5	51
148	Actin depolymerization-induced changes in proteome of Arabidopsis roots. <i>Journal of Proteomics</i> , <b>2017</b> , 153, 89-99	3.9	5
147	Integrating cell biology and proteomic approaches in plants. <i>Journal of Proteomics</i> , <b>2017</b> , 169, 165-175	3.9	10
146	Expression and distribution of extensins and AGPs in susceptible and resistant banana cultivars in response to wounding and <i>Fusarium oxysporum</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 42400	4.9	20
145	The dynamics and endocytosis of Flot1 protein in response to <i>flg22</i> in Arabidopsis. <i>Journal of Plant Physiology</i> , <b>2017</b> , 215, 73-84	3.6	20
144	The role of electrical and jasmonate signalling in the recognition of captured prey in the carnivorous sundew plant <i>Drosera capensis</i> . <i>New Phytologist</i> , <b>2017</b> , 213, 1818-1835	9.8	54
143	Plant Cytokinesis: Terminology for Structures and Processes. <i>Trends in Cell Biology</i> , <b>2017</b> , 27, 885-894	18.3	88
142	Feedback Microtubule Control and Microtubule-Actin Cross-talk in Revealed by Integrative Proteomic and Cell Biology Analysis of Mutants. <i>Molecular and Cellular Proteomics</i> , <b>2017</b> , 16, 1591-1609	7.6	18
141	KATANIN 1 Is Essential for Embryogenesis and Seed Formation in Arabidopsis. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 728	6.2	17
140	Katanin Effects on Dynamics of Cortical Microtubules and Mitotic Arrays in Revealed by Advanced Live-Cell Imaging. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 866	6.2	42

139	Alfalfa Root Growth Rate Correlates with Progression of Microtubules during Mitosis and Cytokinesis as Revealed by Environmental Light-Sheet Microscopy. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1870	6.2	10
138	Katanin: A Sword Cutting Microtubules for Cellular, Developmental, and Physiological Purposes. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1982	6.2	24
137	Improvement of adventitious root formation in flax using hydrogen peroxide. <i>New Biotechnology</i> , <b>2016</b> , 33, 728-734	6.4	19
136	Comparative proteomic study of Arabidopsis mutants mpk4 and mpk6. <i>Scientific Reports</i> , <b>2016</b> , 6, 28306	4.9	20
135	Advantages and limitations of shot-gun proteomic analyses on Arabidopsis plants with altered MAPK signaling. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 107	6.2	7
134	Preparation of plants for developmental and cellular imaging by light-sheet microscopy. <i>Nature Protocols</i> , <b>2015</b> , 10, 1234-47	18.8	46
133	Superresolution live imaging of plant cells using structured illumination microscopy. <i>Nature Protocols</i> , <b>2015</b> , 10, 1248-63	18.8	53
132	Spatiotemporal Dynamics of the BRI1 Receptor and its Regulation by Membrane Microdomains in Living Arabidopsis Cells. <i>Molecular Plant</i> , <b>2015</b> , 8, 1334-49	14.4	79
131	Transient plant transformation mediated by <i>Agrobacterium tumefaciens</i> : Principles, methods and applications. <i>Biotechnology Advances</i> , <b>2015</b> , 33, 1024-42	17.8	97
130	Biotechnological aspects of cytoskeletal regulation in plants. <i>Biotechnology Advances</i> , <b>2015</b> , 33, 1043-62	17.8	11
129	Super-resolution Microscopy in Plant Cell Imaging. <i>Trends in Plant Science</i> , <b>2015</b> , 20, 834-843	13.1	68
128	Genome-wide analysis of the barley MAPK gene family and its expression patterns in relation to <i>Puccinia hordei</i> infection. <i>Acta Physiologiae Plantarum</i> , <b>2015</b> , 37, 1	2.6	7
127	Monitoring protein phosphorylation by acrylamide pendant Phos-Tag in various plants. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 336	6.2	13
126	Variable content and distribution of arabinogalactan proteins in banana ( <i>Musa</i> spp.) under low temperature stress. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 353	6.2	11
125	Developmental Nuclear Localization and Quantification of GFP-Tagged EB1c in Arabidopsis Root Using Light-Sheet Microscopy. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 1187	6.2	18
124	Endosomal Interactions during Root Hair Growth. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 1262	6.2	10
123	Proteomic and biochemical analyses show a functional network of proteins involved in antioxidant defense of the Arabidopsis anp2anp3 double mutant. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 5347-61	5.6	15
122	Dynamics and organization of cortical microtubules as revealed by superresolution structured illumination microscopy. <i>Plant Physiology</i> , <b>2014</b> , 165, 129-48	6.6	35

121	Involvement of YODA and mitogen activated protein kinase 6 in Arabidopsis post-embryonic root development through auxin up-regulation and cell division plane orientation. <i>New Phytologist</i> , <b>2014</b> , 203, 1175-1193	9.8	74
120	Immunofluorescent localization of MAPKs and colocalization with microtubules in Arabidopsis seedling whole-mount probes. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1171, 107-15	1.4	17
119	Trans-Golgi network localized small GTPase RabA1d is involved in cell plate formation and oscillatory root hair growth. <i>BMC Plant Biology</i> , <b>2014</b> , 14, 252	5.3	36
118	Salt-induced subcellular kinase relocation and seedling susceptibility caused by overexpression of Medicago SIMKK in Arabidopsis. <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 2335-50	7	29
117	Crosstalk between secondary messengers, hormones and MAPK modules during abiotic stress signalling in plants. <i>Biotechnology Advances</i> , <b>2014</b> , 32, 2-11	17.8	148
116	Immunofluorescent localization of MAPKs in SteedmanQ wax sections. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1171, 117-30	1.4	5
115	Affinity-based SDS PAGE identification of phosphorylated Arabidopsis MAPKs and substrates by acrylamide pendant Phos-Tag. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1171, 47-63	1.4	5
114	Integrative chemical proteomics and cell biology methods to study endocytosis and vesicular trafficking in Arabidopsis. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1209, 265-83	1.4	3
113	Live microscopy analysis of endosomes and vesicles in tip-growing root hairs. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1209, 31-44	1.4	0
112	Fluorescent protein tagging of Arabidopsis MAPKs for in vivo localization studies. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1171, 131-45	1.4	
111	Maize proteomics: an insight into the biology of an important cereal crop. <i>Proteomics</i> , <b>2013</b> , 13, 637-62	4.8	52
110	Vesicular trafficking and stress response coupled to PI3K inhibition by LY294002 as revealed by proteomic and cell biological analysis. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 4435-48	5.6	34
109	Improvement of stress tolerance in plants by genetic manipulation of mitogen-activated protein kinases. <i>Biotechnology Advances</i> , <b>2013</b> , 31, 118-28	17.8	96
108	Emerging topics in the cell biology of mitogen-activated protein kinases. <i>Trends in Plant Science</i> , <b>2013</b> , 18, 140-8	13.1	49
107	A systematic comparison of embryogenic and non-embryogenic cells of banana ( <i>Musa</i> spp. AAA): Ultrastructural, biochemical and cell wall component analyses. <i>Scientia Horticulturae</i> , <b>2013</b> , 159, 178-185 <sup>4.1</sup>	4.1	6
106	Wound-induced pectin methylesterases enhance banana ( <i>Musa</i> spp. AAA) susceptibility to <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> . <i>Journal of Experimental Botany</i> , <b>2013</b> , 64, 2219-29	7	26
105	ER disruption and GFP degradation during non-regenerable transformation of flax with <i>Agrobacterium tumefaciens</i> . <i>Protoplasma</i> , <b>2012</b> , 249, 53-63	3.4	6
104	Histological changes and differences in activities of some antioxidant enzymes and hydrogen peroxide content during somatic embryogenesis of <i>Musa</i> AAA cv. Yueyoukang 1. <i>Scientia Horticulturae</i> , <b>2012</b> , 144, 87-92	4.1	20

103	Proteomic and biochemical analysis of maize anthers after cold pretreatment and induction of androgenesis reveals an important role of anti-oxidative enzymes. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 1886-94	3.9	32
102	Wortmannin treatment induces changes in Arabidopsis root proteome and post-Golgi compartments. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3127-42	5.6	41
101	Update on Methods and Techniques to Study Endocytosis in Plants <b>2012</b> , 1-36		1
100	A membrane microdomain-associated protein, Arabidopsis Flot1, is involved in a clathrin-independent endocytic pathway and is required for seedling development. <i>Plant Cell</i> , <b>2012</b> , 24, 2105-22	11.6	142
99	Probing and tracking organelles in living plant cells. <i>Protoplasma</i> , <b>2012</b> , 249 Suppl 2, S157-67	3.4	8
98	Endocytosis and Vesicular Recycling in Root Hairs and Pollen Tubes <b>2012</b> , 81-106		1
97	Proteomics on brefeldin A-treated Arabidopsis roots reveals profilin 2 as a new protein involved in the cross-talk between vesicular trafficking and the actin cytoskeleton. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 488-501	5.6	38
96	Stable transformation of <i>Mesembryanthemum crystallinum</i> (L.) with <i>Agrobacterium rhizogenes</i> harboring the green fluorescent protein targeted to the endoplasmic reticulum. <i>Journal of Plant Physiology</i> , <b>2011</b> , 168, 722-9	3.6	10
95	Developmental localization and methylesterification of pectin epitopes during somatic embryogenesis of banana ( <i>Musa</i> spp. AAA). <i>PLoS ONE</i> , <b>2011</b> , 6, e22992	3.7	26
94	Mitogen-activated protein kinase 4 is involved in the regulation of mitotic and cytokinetic microtubule transitions in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , <b>2011</b> , 189, 1069-1083	9.8	94
93	Ultrastructural changes and the distribution of arabinogalactan proteins during somatic embryogenesis of banana ( <i>Musa</i> spp. AAA cv. Queyoukang 1Q). <i>Physiologia Plantarum</i> , <b>2011</b> , 142, 372-89	4.6	27
92	Microtubules and mitogen-activated protein kinase signalling. <i>Current Opinion in Plant Biology</i> , <b>2011</b> , 14, 650-7	9.9	66
91	Immunohistochemical analysis of cell wall hydroxyproline-rich glycoproteins in the roots of resistant and susceptible wax gourd cultivars in response to <i>Fusarium oxysporum</i> f. sp. <i>Benincasae</i> infection and fusaric acid treatment. <i>Plant Cell Reports</i> , <b>2011</b> , 30, 1555-69	5.1	26
90	Developmental localization and the role of hydroxyproline rich glycoproteins during somatic embryogenesis of banana ( <i>Musa</i> spp. AAA). <i>BMC Plant Biology</i> , <b>2011</b> , 11, 38	5.3	30
89	Differential proteomics of plant development. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 577-88	3.9	57
88	Structural sterols are involved in both the initiation and tip growth of root hairs in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , <b>2010</b> , 22, 2999-3019	11.6	59
87	<i>Arabidopsis</i> homologs of nucleus- and phragmoplast-localized kinase 2 and 3 and mitogen-activated protein kinase 4 are essential for microtubule organization. <i>Plant Cell</i> , <b>2010</b> , 22, 755-71	11.6	115
86	<i>Arabidopsis</i> MPK6 is involved in cell division plane control during early root development, and localizes to the pre-prophase band, phragmoplast, trans-Golgi network and plasma membrane. <i>Plant Journal</i> , <b>2010</b> , 61, 234-48	6.9	96

85	The speed of mitochondrial movement is regulated by the cytoskeleton and myosin in <i>Picea wilsonii</i> pollen tubes. <i>Planta</i> , <b>2010</b> , 231, 779-91	4.7	19
84	Disruption of actin filaments induces mitochondrial Ca <sup>2+</sup> release to the cytoplasm and [Ca <sup>2+</sup> ] <sub>c</sub> changes in <i>Arabidopsis</i> root hairs. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 53	5.3	29
83	MAP65 in tubulin/colchicine paracrystals of <i>Vigna sinensis</i> root cells: possible role in the assembly and stabilization of atypical tubulin polymers. <i>Cytoskeleton</i> , <b>2010</b> , 67, 152-60	2.4	9
82	Combined proteomic and cytological analysis of Ca <sup>2+</sup> -calmodulin regulation in <i>Picea meyeri</i> pollen tube growth. <i>Plant Physiology</i> , <b>2009</b> , 149, 1111-26	6.6	47
81	Doubled haploid production in Flax ( <i>Linum usitatissimum</i> L.). <i>Biotechnology Advances</i> , <b>2009</b> , 27, 371-5	17.8	14
80	Cytokinin and Ethylene Affect Auxin Transport-Dependent Rhizogenesis in Hypocotyls of Common Ice Plant ( <i>Mesembryanthemum crystallinum</i> L.). <i>Journal of Plant Growth Regulation</i> , <b>2009</b> , 28, 331-340	4.7	15
79	Lipid microdomain polarization is required for NADPH oxidase-dependent ROS signaling in <i>Picea meyeri</i> pollen tube tip growth. <i>Plant Journal</i> , <b>2009</b> , 60, 303-13	6.9	106
78	<i>Arabidopsis</i> profilin isoforms, PRF1 and PRF2 show distinctive binding activities and subcellular distributions. <i>Journal of Integrative Plant Biology</i> , <b>2009</b> , 51, 113-21	8.3	15
77	Nitric oxide modulates the influx of extracellular Ca <sup>2+</sup> and actin filament organization during cell wall construction in <i>Pinus bungeana</i> pollen tubes. <i>New Phytologist</i> , <b>2009</b> , 182, 851-862	9.8	77
76	Actin turnover is required for myosin-dependent mitochondrial movements in <i>Arabidopsis</i> root hairs. <i>PLoS ONE</i> , <b>2009</b> , 4, e5961	3.7	53
75	Isolation of de-exined pollen and cytological studies of the pollen intines of <i>Pinus bungeana</i> Zucc. Ex Endl. and <i>Picea wilsonii</i> Mast. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , <b>2008</b> , 203, 332-340	1.9	20
74	Integrative proteomic and cytological analysis of the effects of extracellular Ca <sup>2+</sup> influx on <i>Pinus bungeana</i> pollen tube development. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 4299-312	5.6	31
73	Arabinogalactan-protein epitope Gal4 is differentially regulated and localized in cell lines of hybrid fir ( <i>Abies alba</i> x <i>Abies cephalonica</i> ) with different embryogenic and regeneration potential. <i>Plant Cell Reports</i> , <b>2008</b> , 27, 221-9	5.1	29
72	Calreticulin mRNA and protein are localized to protein bodies in storage maize callus cells. <i>Plant Cell Reports</i> , <b>2008</b> , 27, 231-9	5.1	14
71	The block of intracellular calcium release affects the pollen tube development of <i>Picea wilsonii</i> by changing the deposition of cell wall components. <i>Protoplasma</i> , <b>2008</b> , 233, 39-49	3.4	19
70	Regulation Of Root Hair Tip Growth: Can Mitogen-Activated Protein Kinases Be Taken Into Account?. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , <b>2008</b> , 91-128	0.3	
69	A unifying new model of cytokinesis for the dividing plant and animal cells. <i>BioEssays</i> , <b>2007</b> , 29, 371-81	4.1	17
68	A plastid-localized glycogen synthase kinase 3 modulates stress tolerance and carbohydrate metabolism. <i>Plant Journal</i> , <b>2007</b> , 49, 1076-90	6.9	62



67	Somatic embryogenesis and plant regeneration in <i>Catharanthus roseus</i> . <i>Biologia Plantarum</i> , <b>2007</b> , 51, 641-646	2.1	29
66	Cell-type-specific disruption and recovery of the cytoskeleton in <i>Arabidopsis thaliana</i> epidermal root cells upon heat shock stress. <i>Protoplasma</i> , <b>2007</b> , 230, 231-42	3.4	43
65	A mitogen-activated protein kinase signals to programmed cell death induced by self-incompatibility in <i>Papaver</i> pollen. <i>Plant Physiology</i> , <b>2007</b> , 145, 236-45	6.6	69
64	Molecular dissection of endosomal compartments in plants. <i>Plant Physiology</i> , <b>2007</b> , 145, 293-304	6.6	46
63	Disruption of actin filaments by latrunculin B affects cell wall construction in <i>Picea meyeri</i> pollen tube by disturbing vesicle trafficking. <i>Plant and Cell Physiology</i> , <b>2007</b> , 48, 19-30	4.9	81
62	Roles of the ubiquitin/proteasome pathway in pollen tube growth with emphasis on MG132-induced alterations in ultrastructure, cytoskeleton, and cell wall components. <i>Plant Physiology</i> , <b>2006</b> , 141, 1578-90	6.6	51
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