

Hong

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.

233
papers

21,313
citations

77
h-index

143
g-index

238
ext. papers

25,616
ext. citations

9.8
avg, IF

6.64
L-index

#	Paper	IF	Citations
233	A well-supported nuclear phylogeny of Poaceae and implications for the evolution of C 4 photosynthesis.. <i>Molecular Plant</i> , 2022 ,	14.4	3
232	Multi-Omics Analysis in β -Thalassemia Using an Gene-Knockout Human Erythroid Progenitor Cell Model.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
231	TOX4 facilitates promoter-proximal pausing and C-terminal domain dephosphorylation of RNA polymerase II in human cells.. <i>Communications Biology</i> , 2022 , 5, 300	6.7	0
230	Phylotranscriptomic insights into Asteraceae diversity, polyploidy, and morphological innovation. <i>Journal of Integrative Plant Biology</i> , 2021 , 63, 1273-1293	8.3	3
229	Nuclear phylotranscriptomics and phylogenomics support numerous polyploidization events and hypotheses for the evolution of rhizobial nitrogen-fixing symbiosis in Fabaceae. <i>Molecular Plant</i> , 2021 , 14, 748-773	14.4	14
228	Gene duplications and phylogenomic conflict underlie major pulses of phenotypic evolution in gymnosperms. <i>Nature Plants</i> , 2021 , 7, 1015-1025	11.5	9
227	Msx1 cooperates with Runx1 for inhibiting myoblast differentiation. <i>Protein Expression and Purification</i> , 2021 , 179, 105797	2	2
226	Tyrosine-EDC Conjugation, an Undesirable Side Effect of the EDC-Catalyzed Carboxyl Labeling Approach. <i>Analytical Chemistry</i> , 2021 , 93, 697-703	7.8	1
225	Evolution of the Brassicaceae-specific MS5-Like family and neofunctionalization of the novel MALE STERILITY 5 gene essential for male fertility in Brassica napus. <i>New Phytologist</i> , 2021 , 229, 2339-2356	9.8	1
224	Fanconi anemia ortholog FANCM regulates meiotic crossover distribution in plants. <i>Plant Physiology</i> , 2021 , 186, 344-360	6.6	7
223	Basic pH reversed-phase liquid chromatography (bRPLC) in combination with tip-based strong cation exchange (SCX-Tip), ReST, an efficient approach for large-scale cross-linked peptide analysis. <i>Analytica Chimica Acta</i> , 2021 , 1179, 338838	6.6	1
222	Cell-type-dependent histone demethylase specificity promotes meiotic chromosome condensation in Arabidopsis. <i>Nature Plants</i> , 2020 , 6, 823-837	11.5	3
221	The cohesin loader SCC2 contains a PHD finger that is required for meiosis in land plants. <i>PLoS Genetics</i> , 2020 , 16, e1008849	6	6
220	Molecular genetic analyses of abiotic stress responses during plant reproductive development. <i>Journal of Experimental Botany</i> , 2020 , 71, 2870-2885	7	18
219	The hornwort genome and early land plant evolution. <i>Nature Plants</i> , 2020 , 6, 107-118	11.5	81
218	Basic Strong Cation Exchange Chromatography, BaSCX, a Highly Efficient Approach for C-Terminomic Studies Using LysargiNase Digestion. <i>Analytical Chemistry</i> , 2020 , 92, 4742-4748	7.8	6
217	A Natural Variation in Uncoveres a Crucial Role for Chloroplast tRNA Modification in Translation and Plant Development. <i>Plant Cell</i> , 2020 , 32, 2345-2366	11.6	5

216	Schistosoma japonicum cathepsin B2 (SjCB2) facilitates parasite invasion through the skin. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008810	4.8	7
215	A muscle-epidermis-glia signaling axis sustains synaptic specificity during allometric growth in. <i>ELife</i> , 2020 , 9,	8.9	3
214	Phylotranscriptomics in Cucurbitaceae Reveal Multiple Whole-Genome Duplications and Key Morphological and Molecular Innovations. <i>Molecular Plant</i> , 2020 , 13, 1117-1133	14.4	23
213	The water lily genome and the early evolution of flowering plants. <i>Nature</i> , 2020 , 577, 79-84	50.4	98
212	Phosphorylation of Msx1 promotes cell proliferation through the Fgf9/18-MAPK signaling pathway during embryonic limb development. <i>Nucleic Acids Research</i> , 2020 , 48, 11452-11467	20.1	5
211	Asterid Phylogenomics/Phylotranscriptomics Uncover Morphological Evolutionary Histories and Support Phylogenetic Placement for Numerous Whole-Genome Duplications. <i>Molecular Biology and Evolution</i> , 2020 , 37, 3188-3210	8.3	21
210	NaCO-responsive Photosynthetic and ROS Scavenging Mechanisms in Chloroplasts of Alkaligrass Revealed by Phosphoproteomics. <i>Genomics, Proteomics and Bioinformatics</i> , 2020 , 18, 271-288	6.5	3
209	Formaldehyde Derivatization: An Unexpected Side Reaction During Filter-Aided Sample Preparation. <i>Analytical Chemistry</i> , 2020 , 92, 12120-12125	7.8	3
208	Short-Term Mild Temperature-Stress-Induced Alterations in the Phosphoproteome. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
207	Global Quantitative Proteomics Studies Revealed Tissue-Preferential Expression and Phosphorylation of Regulatory Proteins in. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
206	Diverse trajectories of plastome degradation in holoparasitic Cistanche and genomic location of the lost plastid genes. <i>Journal of Experimental Botany</i> , 2020 , 71, 877-892	7	6
205	Recurrent genome duplication events likely contributed to both the ancient and recent rise of ferns. <i>Journal of Integrative Plant Biology</i> , 2020 , 62, 433-455	8.3	12
204	Conservation and Divergence in the Meiocyte sRNAomes of Arabidopsis, Soybean, and Cucumber. <i>Plant Physiology</i> , 2020 , 182, 301-317	6.6	6
203	Schistosoma japonicum cathepsin B2 (SjCB2) facilitates parasite invasion through the skin 2020 , 14, e0008810		
202	Schistosoma japonicum cathepsin B2 (SjCB2) facilitates parasite invasion through the skin 2020 , 14, e0008810		
201	Schistosoma japonicum cathepsin B2 (SjCB2) facilitates parasite invasion through the skin 2020 , 14, e0008810		
200	Schistosoma japonicum cathepsin B2 (SjCB2) facilitates parasite invasion through the skin 2020 , 14, e0008810		
199	Meiocyte-Specific and AtSPO11-1-Dependent Small RNAs and Their Association with Meiotic Gene Expression and Recombination. <i>Plant Cell</i> , 2019 , 31, 444-464	11.6	20

198	The Arabidopsis anaphase-promoting complex/cyclosome subunit 8 is required for male meiosis. <i>New Phytologist</i> , 2019 , 224, 229-241	9.8	7
197	Ubiquitylome study identifies increased histone 2A ubiquitylation as an evolutionarily conserved aging biomarker. <i>Nature Communications</i> , 2019 , 10, 2191	17.4	11
196	Reply to Zwaenepoel et al.: Meeting the Challenges of Detecting Polyploidy Events from Transcriptomic Data. <i>Molecular Plant</i> , 2019 , 12, 137-140	14.4	3
195	ANAC019 is required for recovery of reproductive development under drought stress in Arabidopsis. <i>Plant Molecular Biology</i> , 2019 , 99, 161-174	4.6	9
194	The Largest Subunit of DNA Polymerase Delta Is Required for Normal Formation of Meiotic Type I Crossovers. <i>Plant Physiology</i> , 2019 , 179, 446-459	6.6	9
193	Widespread Whole Genome Duplications Contribute to Genome Complexity and Species Diversity in Angiosperms. <i>Molecular Plant</i> , 2018 , 11, 414-428	14.4	125
192	Reversible Lysine Derivatization Enabling Improved Arg-C Digestion, a Highly Specific Arg-C Digestion Using Trypsin. <i>Analytical Chemistry</i> , 2018 , 90, 1554-1559	7.8	6
191	The AWPM-19 Family Protein OsPM1 Mediates Abscisic Acid Influx and Drought Response in Rice. <i>Plant Cell</i> , 2018 , 30, 1258-1276	11.6	54
190	Lys-C/Arg-C, a More Specific and Efficient Digestion Approach for Proteomics Studies. <i>Analytical Chemistry</i> , 2018 , 90, 9700-9707	7.8	18
189	OsERF101, an ERF family transcription factor, regulates drought stress response in reproductive tissues. <i>Plant Molecular Biology</i> , 2018 , 98, 51-65	4.6	30
188	Quantitative phosphoproteomics reveals GTBP-1 regulating C.elegans lifespan at different environmental temperatures. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 1962-1967	2.7	5
187	Enzyme and Chemical Assisted N-Terminal Blocked Peptides Analysis, ENCHANT, as a Selective Proteomics Approach Complementary to Conventional Shotgun Approach. <i>Journal of Proteome Research</i> , 2018 , 17, 212-221	5.6	10
186	Phylogenomic detection and functional prediction of genes potentially important for plant meiosis. <i>Gene</i> , 2018 , 643, 83-97	3.8	2
185	An Approach to Incorporate Multi-Enzyme Digestion into C-TAILS for C-Terminomics Studies. <i>Proteomics</i> , 2018 , 18, 1700034	4.8	13
184	Proteomic analysis of lysine acetylation provides strong evidence for involvement of acetylated proteins in plant meiosis and tapetum function. <i>Plant Journal</i> , 2018 , 93, 142-154	6.9	19
183	Elevated temperature increases meiotic crossover frequency via the interfering (Type I) pathway in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2018 , 14, e1007384	6	38
182	Order-level fern plastome phylogenomics: new insights from Hymenophyllales. <i>American Journal of Botany</i> , 2018 , 105, 1545-1555	2.7	19
181	A well-resolved fern nuclear phylogeny reveals the evolution history of numerous transcription factor families. <i>Molecular Phylogenetics and Evolution</i> , 2018 , 127, 961-977	4.1	21

180	Phosphorylation of SPOROCTELESS/NOZZLE by the MPK3/6 Kinase Is Required for Anther Development. <i>Plant Physiology</i> , 2017 , 173, 2265-2277	6.6	34
179	Poly(ADP-ribose) polymerases regulate cell division and development in Arabidopsis roots. <i>Journal of Integrative Plant Biology</i> , 2017 , 59, 459-474	8.3	12
178	Tissue-Specific Transcriptomics Reveals an Important Role of the Unfolded Protein Response in Maintaining Fertility upon Heat Stress in Arabidopsis. <i>Plant Cell</i> , 2017 , 29, 1007-1023	11.6	71
177	Resolution of deep eudicot phylogeny and their temporal diversification using nuclear genes from transcriptomic and genomic datasets. <i>New Phytologist</i> , 2017 , 214, 1338-1354	9.8	79
176	BK11 Regulates Plant Architecture through Coordinated Inhibition of the Brassinosteroid and ERECTA Signaling Pathways in Arabidopsis. <i>Molecular Plant</i> , 2017 , 10, 297-308	14.4	17
175	Stimulated Raman scattering microscopy and spectroscopy with a rapid scanning optical delay line. <i>Optics Letters</i> , 2017 , 42, 659-662	3	41
174	Evolution of Rosaceae Fruit Types Based on Nuclear Phylogeny in the Context of Geological Times and Genome Duplication. <i>Molecular Biology and Evolution</i> , 2017 , 34, 262-281	8.3	122
173	Cytological and Transcriptomic Analyses Reveal Important Roles of in Pollen Exine Formation. <i>Plant Physiology</i> , 2017 , 175, 1186-1202	6.6	11
172	The Compositae Tree of Life in the age of phylogenomics. <i>Journal of Systematics and Evolution</i> , 2017 , 55, 405-410	2.9	35
171	Reply: The BIF Domain Is Structurally and Functionally Distinct from Other Types of ACT-Like Domains. <i>Plant Cell</i> , 2017 , 29, 1803-1805	11.6	2
170	A Strategy for Screening Monoclonal Antibodies for Flowers. <i>Frontiers in Plant Science</i> , 2017 , 8, 270	6.2	2
169	Comparative Analysis of Proteome-Wide Lysine Acetylation in Juvenile and Adult. <i>Frontiers in Microbiology</i> , 2017 , 8, 2248	5.7	5
168	Arabidopsis RAD51, RAD51C and XRCC3 proteins form a complex and facilitate RAD51 localization on chromosomes for meiotic recombination. <i>PLoS Genetics</i> , 2017 , 13, e1006827	6	23
167	Abundant protein phosphorylation potentially regulates Arabidopsis anther development. <i>Journal of Experimental Botany</i> , 2016 , 67, 4993-5008	7	22
166	Multiple Polyploidization Events across Asteraceae with Two Nested Events in the Early History Revealed by Nuclear Phylogenomics. <i>Molecular Biology and Evolution</i> , 2016 , 33, 2820-2835	8.3	89
165	Phylogenomic analyses of large-scale nuclear genes provide new insights into the evolutionary relationships within the rosids. <i>Molecular Phylogenetics and Evolution</i> , 2016 , 105, 166-176	4.1	22
164	Proteomics and transcriptomics analyses of Arabidopsis floral buds uncover important functions of ARABIDOPSIS SKP1-LIKE1. <i>BMC Plant Biology</i> , 2016 , 16, 61	5.3	7
163	Resolution of Brassicaceae Phylogeny Using Nuclear Genes Uncovers Nested Radiations and Supports Convergent Morphological Evolution. <i>Molecular Biology and Evolution</i> , 2016 , 33, 394-412	8.3	165

162	MID1 plays an important role in response to drought stress during reproductive development. <i>Plant Journal</i> , 2016 , 88, 280-293	6.9	33
161	The PHD Finger Protein MMD1/DUET Ensures the Progression of Male Meiotic Chromosome Condensation and Directly Regulates the Expression of the Condensin Gene CAP-D3. <i>Plant Cell</i> , 2016 , 28, 1894-909	11.6	19
160	Evolution and protein interactions of AP2 proteins in Brassicaceae: Evidence linking development and environmental responses. <i>Journal of Integrative Plant Biology</i> , 2016 , 58, 549-63	8.3	9
159	An optimized guanidination method for large-scale proteomic studies. <i>Proteomics</i> , 2016 , 16, 1837-46	4.8	5
158	Using nuclear genes to reconstruct angiosperm phylogeny at the species level: A case study with Brassicaceae species. <i>Journal of Systematics and Evolution</i> , 2016 , 54, 438-452	2.9	6
157	Evolution of the leucine-rich repeat receptor-like protein kinase gene family: Ancestral copy number and functional divergence of BAM1 and BAM2 in Brassicaceae. <i>Journal of Systematics and Evolution</i> , 2016 , 54, 204-218	2.9	6
156	Feedback Regulation of DYT1 by Interactions with Downstream bHLH Factors Promotes DYT1 Nuclear Localization and Anther Development. <i>Plant Cell</i> , 2016 , 28, 1078-93	11.6	52
155	Phylogenetic Resolution of Deep Eukaryotic and Fungal Relationships Using Highly Conserved Low-Copy Nuclear Genes. <i>Genome Biology and Evolution</i> , 2016 , 8, 2683-701	3.9	27
154	Differential evolution of members of the rhomboid gene family with conservative and divergent patterns. <i>New Phytologist</i> , 2015 , 206, 368-380	9.8	16
153	Arabidopsis TOE proteins convey a photoperiodic signal to antagonize CONSTANS and regulate flowering time. <i>Genes and Development</i> , 2015 , 29, 975-87	12.6	102
152	Systematic Optimization of C-Terminal Amine-Based Isotope Labeling of Substrates Approach for Deep Screening of C-Terminome. <i>Analytical Chemistry</i> , 2015 , 87, 10354-61	7.8	17
151	Formation of interference-sensitive meiotic cross-overs requires sufficient DNA leading-strand elongation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12534-9	11.5	20
150	Expansion and Functional Divergence of Jumonji C-Containing Histone Demethylases: Significance of Duplications in Ancestral Angiosperms and Vertebrates. <i>Plant Physiology</i> , 2015 , 168, 1321-37	6.6	35
149	Whole-genome DNA methylation patterns and complex associations with gene structure and expression during flower development in Arabidopsis. <i>Plant Journal</i> , 2015 , 81, 268-81	6.9	62
148	OsNAC2 encoding a NAC transcription factor that affects plant height through mediating the gibberellic acid pathway in rice. <i>Plant Journal</i> , 2015 , 82, 302-14	6.9	71
147	Proteomic and phosphoproteomic analyses reveal extensive phosphorylation of regulatory proteins in developing rice anthers. <i>Plant Journal</i> , 2015 , 84, 527-44	6.9	41
146	Step-wise and lineage-specific diversification of plant RNA polymerase genes and origin of the largest plant-specific subunits. <i>New Phytologist</i> , 2015 , 207, 1198-212	9.8	18
145	The DYT1-interacting proteins bHLH010, bHLH089 and bHLH091 are redundantly required for Arabidopsis anther development and transcriptome. <i>Plant Journal</i> , 2015 , 83, 976-90	6.9	92

144	Intake of hydrolyzed casein is associated with reduced body fat accretion and enhanced phase II metabolism in obesity prone C57BL/6J mice. <i>PLoS ONE</i> , 2015 , 10, e0118895	3.7	9
143	Arabidopsis Cell Division Cycle 20.1 Is Required for Normal Meiotic Spindle Assembly and Chromosome Segregation. <i>Plant Cell</i> , 2015 , 27, 3367-82	11.6	20
142	CbCBF from <i>Capsella bursa-pastoris</i> enhances cold tolerance and restrains growth in <i>Nicotiana tabacum</i> by antagonizing with gibberellin and affecting cell cycle signaling. <i>Plant Molecular Biology</i> , 2014 , 85, 259-75	4.6	29
141	The NAC family transcription factor OsNAP confers abiotic stress response through the ABA pathway. <i>Plant and Cell Physiology</i> , 2014 , 55, 604-19	4.9	152
140	The Arabidopsis RAD51 paralogs RAD51B, RAD51D and XRCC2 play partially redundant roles in somatic DNA repair and gene regulation. <i>New Phytologist</i> , 2014 , 201, 292-304	9.8	31
139	The Arabidopsis CALLOSE DEFECTIVE MICROSPORE1 gene is required for male fertility through regulating callose metabolism during microsporogenesis. <i>Plant Physiology</i> , 2014 , 164, 1893-904	6.6	66
138	Detection of genomic variations and DNA polymorphisms and impact on analysis of meiotic recombination and genetic mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10007-12	11.5	40
137	Moderate drought causes dramatic floral transcriptomic reprogramming to ensure successful reproductive development in Arabidopsis. <i>BMC Plant Biology</i> , 2014 , 14, 164	5.3	28
136	Alternative splicing during Arabidopsis flower development results in constitutive and stage-regulated isoforms. <i>Frontiers in Genetics</i> , 2014 , 5, 25	4.5	32
135	MeioBase: a comprehensive database for meiosis. <i>Frontiers in Plant Science</i> , 2014 , 5, 728	6.2	2
134	Arabidopsis PTD is required for type I crossover formation and affects recombination frequency in two different chromosomal regions. <i>Journal of Genetics and Genomics</i> , 2014 , 41, 165-75	4	6
133	The rice OsDIL gene plays a role in drought tolerance at vegetative and reproductive stages. <i>Plant Molecular Biology</i> , 2013 , 82, 239-53	4.6	61
132	Flower development under drought stress: morphological and transcriptomic analyses reveal acute responses and long-term acclimation in Arabidopsis. <i>Plant Cell</i> , 2013 , 25, 3785-807	11.6	120
131	The Amborella genome and the evolution of flowering plants. <i>Science</i> , 2013 , 342, 1241089	33.3	546
130	A battle between genomes in plant male fertility. <i>Nature Genetics</i> , 2013 , 45, 472-3	36.3	13
129	AtPRK2 promotes ROP1 activation via RopGEFs in the control of polarized pollen tube growth. <i>Molecular Plant</i> , 2013 , 6, 1187-201	14.4	91
128	Rice male development under drought stress: phenotypic changes and stage-dependent transcriptomic reprogramming. <i>Molecular Plant</i> , 2013 , 6, 1630-45	14.4	66
127	Deep mRNA sequencing analysis to capture the transcriptome landscape of zebrafish embryos and larvae. <i>PLoS ONE</i> , 2013 , 8, e64058	3.7	42

126	Comprehensive analysis of genic male sterility-related genes in <i>Brassica rapa</i> using a newly developed Br300K oligomeric chip. <i>PLoS ONE</i> , 2013 , 8, e72178	3.7	42
125	The <i>Arabidopsis thaliana</i> DSB formation (AtDFO) gene is required for meiotic double-strand break formation. <i>Plant Journal</i> , 2012 , 72, 271-81	6.9	29
124	AMS-dependent and independent regulation of anther transcriptome and comparison with those affected by other <i>Arabidopsis</i> anther genes. <i>BMC Plant Biology</i> , 2012 , 12, 23	5.3	34
123	Regulation of the <i>Arabidopsis</i> anther transcriptome by DYT1 for pollen development. <i>Plant Journal</i> , 2012 , 72, 612-24	6.9	93
122	Complex evolutionary history and diverse domain organization of SET proteins suggest divergent regulatory interactions. <i>New Phytologist</i> , 2012 , 195, 248-63	9.8	43
121	Highly conserved low-copy nuclear genes as effective markers for phylogenetic analyses in angiosperms. <i>New Phytologist</i> , 2012 , 195, 923-937	9.8	144
120	SKP1 is involved in abscisic acid signalling to regulate seed germination, stomatal opening and root growth in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2012 , 35, 952-65	8.4	31
119	The DNA replication factor RFC1 is required for interference-sensitive meiotic crossovers in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2012 , 8, e1003039	6	34
118	Analysis of <i>Arabidopsis</i> genome-wide variations before and after meiosis and meiotic recombination by resequencing <i>Landsberg erecta</i> and all four products of a single meiosis. <i>Genome Research</i> , 2012 , 22, 508-18	9.7	89
117	Dual role of BK1 and 14-3-3 s in brassinosteroid signaling to link receptor with transcription factors. <i>Developmental Cell</i> , 2011 , 21, 825-34	10.2	108
116	Overexpression of the soybean GmWNK1 altered the sensitivity to salt and osmotic stress in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2011 , 168, 2260-7	3.6	15
115	The transcriptome landscape of <i>Arabidopsis</i> male meiocytes from high-throughput sequencing: the complexity and evolution of the meiotic process. <i>Plant Journal</i> , 2011 , 65, 503-16	6.9	125
114	Ancestral polyploidy in seed plants and angiosperms. <i>Nature</i> , 2011 , 473, 97-100	50.4	1362
113	Molecular control of microsporogenesis in <i>Arabidopsis</i> . <i>Current Opinion in Plant Biology</i> , 2011 , 14, 66-73	9.9	73
112	Development: a pathway to plant female germ cells. <i>Current Biology</i> , 2011 , 21, R476-8	6.3	5
111	Ectopic expression of the <i>Arabidopsis</i> MINI ZINC FINGER1 and MIF3 genes induces shoot meristems on leaf margins. <i>Plant Molecular Biology</i> , 2011 , 76, 57-68	4.6	10
110	Generation of a large-scale genomic resource for functional and comparative genomics in <i>Liriodendron tulipifera</i> L.. <i>Tree Genetics and Genomes</i> , 2011 , 7, 941-954	2.1	10
109	Defective pollen wall is required for anther and microspore development in rice and encodes a fatty acyl carrier protein reductase. <i>Plant Cell</i> , 2011 , 23, 2225-46	11.6	180

108	Stable and dynamic nucleosome states during a meiotic developmental process. <i>Genome Research</i> , 2011 , 21, 875-84	9.7	65
107	The soybean root-specific protein kinase GmWNK1 regulates stress-responsive ABA signaling on the root system architecture. <i>Plant Journal</i> , 2010 , 64, 230-42	6.9	39
106	Carbon starved anther encodes a MYB domain protein that regulates sugar partitioning required for rice pollen development. <i>Plant Cell</i> , 2010 , 22, 672-89	11.6	174
105	Brassinosteroids control male fertility by regulating the expression of key genes involved in Arabidopsis anther and pollen development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6100-5	11.5	192
104	Development of flowering plant gametophytes. <i>Current Topics in Developmental Biology</i> , 2010 , 91, 379-413	5.3	51
103	Optimized IMAC-IMAC protocol for phosphopeptide recovery from complex biological samples. <i>Journal of Proteome Research</i> , 2010 , 9, 3561-73	5.6	100
102	Signaling and transcriptional control of reproductive development in Arabidopsis. <i>Current Biology</i> , 2010 , 20, R988-97	6.3	47
101	F-box proteins regulate ethylene signaling and more. <i>Genes and Development</i> , 2009 , 23, 391-6	12.6	21
100	Evolution of F-box genes in plants: different modes of sequence divergence and their relationships with functional diversification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 835-40	11.5	215
99	Evolution of plant MADS box transcription factors: evidence for shifts in selection associated with early angiosperm diversification and concerted gene duplications. <i>Molecular Biology and Evolution</i> , 2009 , 26, 2229-44	8.3	62
98	A terminator of floral stem cells. <i>Genes and Development</i> , 2009 , 23, 1705-8	12.6	7
97	Functional conservation of the meiotic genes SDS and RCK in male meiosis in the monocot rice. <i>Cell Research</i> , 2009 , 19, 768-82	24.7	31
96	Analysis of the Arabidopsis floral proteome: detection of over 2 000 proteins and evidence for posttranslational modifications. <i>Journal of Integrative Plant Biology</i> , 2009 , 51, 207-23	8.3	13
95	Reverse breeding: a novel breeding approach based on engineered meiosis. <i>Plant Biotechnology Journal</i> , 2009 , 7, 837-45	11.6	86
94	Evolution of the RNA-dependent RNA polymerase (RdRP) genes: duplications and possible losses before and after the divergence of major eukaryotic groups. <i>Gene</i> , 2009 , 447, 29-39	3.8	92
93	Control of rice grain-filling and yield by a gene with a potential signature of domestication. <i>Nature Genetics</i> , 2008 , 40, 1370-4	36.3	531
92	The plant WNK gene family and regulation of flowering time in Arabidopsis. <i>Plant Biology</i> , 2008 , 10, 548-57	6.7	66
91	The Amborella genome: an evolutionary reference for plant biology. <i>Genome Biology</i> , 2008 , 9, 402	18.3	52

90	Regulation of Arabidopsis early anther development by the mitogen-activated protein kinases, MPK3 and MPK6, and the ERECTA and related receptor-like kinases. <i>Molecular Plant</i> , 2008 , 1, 645-58	14.4	108
89	Arabidopsis genes AS1, AS2, and JAG negatively regulate boundary-specifying genes to promote sepal and petal development. <i>Plant Physiology</i> , 2008 , 146, 566-75	6.6	56
88	Functional divergence of the duplicated AtKIN14a and AtKIN14b genes: critical roles in Arabidopsis meiosis and gametophyte development. <i>Plant Journal</i> , 2008 , 53, 1013-26	6.9	25
87	An EST database for <i>Liriodendron tulipifera</i> L. floral buds: the first EST resource for functional and comparative genomics in <i>Liriodendron</i> . <i>Tree Genetics and Genomes</i> , 2008 , 4, 419-433	2.1	26
86	Phylogenetic analysis of the plant-specific zinc finger-homeobox and mini zinc finger gene families. <i>Journal of Integrative Plant Biology</i> , 2008 , 50, 1031-45	8.3	51
85	Cohesin interaction with centromeric minichromosomes shows a multi-complex rod-shaped structure. <i>PLoS ONE</i> , 2008 , 3, e2453	3.7	17
84	Patterns of gene duplication in the plant SKP1 gene family in angiosperms: evidence for multiple mechanisms of rapid gene birth. <i>Plant Journal</i> , 2007 , 50, 873-85	6.9	237
83	Differential gene expression in Arabidopsis wild-type and mutant anthers: insights into anther cell differentiation and regulatory networks. <i>Plant Journal</i> , 2007 , 52, 14-29	6.9	92
82	Genetic Analyses of Meiotic Recombination in Arabidopsis. <i>Journal of Integrative Plant Biology</i> , 2007 , 49, 1199-1207	8.3	9
81	Regulation of Arabidopsis Early Anther Development by Putative Cell-Cell Signaling Molecules and Transcriptional Regulators. <i>Journal of Integrative Plant Biology</i> , 2007 , 49, 60-68	8.3	15
80	Genome-wide Analysis of Kelch Repeat-containing F-box Family. <i>Journal of Integrative Plant Biology</i> , 2007 , 49, 940-952	8.3	21
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