

Hong

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#	Paper	IF	Citations
233	Ancestral polyploidy in seed plants and angiosperms. <i>Nature</i> , 2011 , 473, 97-100	50.4	1362
232	The protein encoded by the Arabidopsis homeotic gene agamous resembles transcription factors. <i>Nature</i> , 1990 , 346, 35-9	50.4	1359
231	Patterns of gene action in plant development revealed by enhancer trap and gene trap transposable elements. <i>Genes and Development</i> , 1995 , 9, 1797-810	12.6	569
230	The Amborella genome and the evolution of flowering plants. <i>Science</i> , 2013 , 342, 1241089	33.3	546
229	Widespread genome duplications throughout the history of flowering plants. <i>Genome Research</i> , 2006 , 16, 738-49	9.7	542
228	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
227	The SCF(COI1) ubiquitin-ligase complexes are required for jasmonate response in Arabidopsis. <i>Plant Cell</i> , 2002 , 14, 1919-35	11.6	519
226	Plasmid construction by homologous recombination in yeast. <i>Gene</i> , 1987 , 58, 201-16	3.8	506
225	The rice tapetum degeneration retardation gene is required for tapetum degradation and anther development. <i>Plant Cell</i> , 2006 , 18, 2999-3014	11.6	485
224	AGL1-AGL6, an Arabidopsis gene family with similarity to floral homeotic and transcription factor genes. <i>Genes and Development</i> , 1991 , 5, 484-95	12.6	480
223	Molecular genetic analyses of microsporogenesis and microgametogenesis in flowering plants. <i>Annual Review of Plant Biology</i> , 2005 , 56, 393-434	30.7	470
222	Ectopic expression of the floral homeotic gene AGAMOUS in transgenic Arabidopsis plants alters floral organ identity. <i>Cell</i> , 1992 , 71, 119-31	56.2	404
221	Genome-wide analysis of basic/helix-loop-helix transcription factor family in rice and Arabidopsis. <i>Plant Physiology</i> , 2006 , 141, 1167-84	6.6	396
220	Identification of an SCF ubiquitin-ligase complex required for auxin response in Arabidopsis thaliana. <i>Genes and Development</i> , 1999 , 13, 1678-91	12.6	384
219	The excess microsporocytes1 gene encodes a putative leucine-rich repeat receptor protein kinase that controls somatic and reproductive cell fates in the Arabidopsis anther. <i>Genes and Development</i> , 2002 , 16, 2021-31	12.6	334
218	Regulation of Arabidopsis tapetum development and function by DYSFUNCTIONAL TAPETUM1 (DYT1) encoding a putative bHLH transcription factor. <i>Development (Cambridge)</i> , 2006 , 133, 3085-95	6.6	314
217	The evolution of the SEPALLATA subfamily of MADS-box genes: a preangiosperm origin with multiple duplications throughout angiosperm history. <i>Genetics</i> , 2005 , 169, 2209-23	4	279

216	Expression pattern shifts following duplication indicative of subfunctionalization and neofunctionalization in regulatory genes of Arabidopsis. <i>Molecular Biology and Evolution</i> , 2006 , 23, 469-78	8.3	238
215	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
214	The Arabidopsis AtRAD51 gene is dispensable for vegetative development but required for meiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10596-601	11.5	221
213	Manipulation of flower structure in transgenic tobacco. <i>Cell</i> , 1992 , 71, 133-43	56.2	221
212	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
211	Genome-wide analysis of the cyclin family in Arabidopsis and comparative phylogenetic analysis of plant cyclin-like proteins. <i>Plant Physiology</i> , 2004 , 135, 1084-99	6.6	204
210	Origins and evolution of the recA/RAD51 gene family: evidence for ancient gene duplication and endosymbiotic gene transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10328-10333	11.5	201
209	Expression of floral MADS-box genes in basal angiosperms: implications for the evolution of floral regulators. <i>Plant Journal</i> , 2005 , 43, 724-44	6.9	201
208	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
207	The BAM1/BAM2 receptor-like kinases are important regulators of Arabidopsis early anther development. <i>Plant Cell</i> , 2006 , 18, 1667-80	11.6	185
206	A mitogen-activated protein kinase of the corn leaf pathogen <i>Cochliobolus heterostrophus</i> is involved in conidiation, appressorium formation, and pathogenicity: diverse roles for mitogen-activated protein kinase homologs in foliar pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 13542-7	11.5	181
205	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
204	Arabidopsis MALE STERILITY1 encodes a PHD-type transcription factor and regulates pollen and tapetum development. <i>Plant Cell</i> , 2007 , 19, 3549-62	11.6	180
203	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
202	Specific interactions between the K domains of AG and AGLs, members of the MADS domain family of DNA binding proteins. <i>Plant Journal</i> , 1997 , 12, 999-1010	6.9	173
201	Isolation of cDNAs encoding guanine nucleotide-binding protein beta-subunit homologues from maize (ZGB1) and Arabidopsis (AGB1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 9554-8	11.5	168
200	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
199	Type I MADS-box genes have experienced faster birth-and-death evolution than type II MADS-box genes in angiosperms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 1910-5	11.5	164

198	The Arabidopsis SKP1-LIKE1 gene is essential for male meiosis and may control homologue separation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 11416-21	11.5	164
197	The ABCs of floral evolution. <i>Cell</i> , 2000 , 101, 5-8	56.2	154
196	The floral organ number4 gene encoding a putative ortholog of Arabidopsis CLAVATA3 regulates apical meristem size in rice. <i>Plant Physiology</i> , 2006 , 142, 1039-52	6.6	153
195	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
194	The unfolding drama of flower development: recent results from genetic and molecular analyses. <i>Genes and Development</i> , 1994 , 8, 745-56	12.6	149
193	Plant fertility defects induced by the enhanced expression of microRNA167. <i>Cell Research</i> , 2006 , 16, 457-65	24.7	148
192	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
191	Conservation and divergence in the AGAMOUS subfamily of MADS-box genes: evidence of independent sub- and neofunctionalization events. <i>Evolution & Development</i> , 2006 , 8, 30-45	2.6	136
190	Isolation and characterization of the binding sequences for the product of the Arabidopsis floral homeotic gene AGAMOUS. <i>Nucleic Acids Research</i> , 1993 , 21, 4769-76	20.1	135
189	To B or Not to B a flower: the role of DEFICIENS and GLOBOSA orthologs in the evolution of the angiosperms. <i>Journal of Heredity</i> , 2005 , 96, 225-40	2.4	130
188	Spatially and temporally regulated expression of the MADS-box gene AGL2 in wild-type and mutant arabidopsis flowers. <i>Plant Molecular Biology</i> , 1994 , 26, 581-95	4.6	127
187	Widespread Whole Genome Duplications Contribute to Genome Complexity and Species Diversity in Angiosperms. <i>Molecular Plant</i> , 2018 , 11, 414-428	14.4	125
186	The transcriptome landscape of Arabidopsis 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
185	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
184	Homolog interaction during meiotic prophase I in Arabidopsis requires the SOLO DANCERS gene encoding a novel cyclin-like protein. <i>EMBO Journal</i> , 2002 , 21, 3081-95	13	122
183	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
182	Missing links: the genetic architecture of flowers [correction of flower] and floral diversification. <i>Trends in Plant Science</i> , 2002 , 7, 22-31; dicussion 31-4	13.1	119
181	Dual role of BKI1 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

180	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
179	Separation of AG function in floral meristem determinacy from that in reproductive organ identity by expressing antisense AG RNA. <i>Plant Molecular Biology</i> , 1995 , 28, 767-84	4.6	106
178	The Arabidopsis MADS-box gene AGL3 is widely expressed and encodes a sequence-specific DNA-binding protein. <i>Plant Molecular Biology</i> , 1995 , 28, 549-67	4.6	104
177	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
176	Antiquity and evolution of the MADS-box gene family controlling flower development in plants. <i>Molecular Biology and Evolution</i> , 2003 , 20, 1435-47	8.3	102
175	Optimized IMAC-IMAC protocol for phosphopeptide recovery from complex biological samples. <i>Journal of Proteome Research</i> , 2010 , 9, 3561-73	5.6	100
174	The water lily genome and the early evolution of flowering plants. <i>Nature</i> , 2020 , 577, 79-84	50.4	98
173	The Arabidopsis ROCK-N-ROLLERS gene encodes a homolog of the yeast ATP-dependent DNA helicase MER3 and is required for normal meiotic crossover formation. <i>Plant Journal</i> , 2005 , 43, 321-34	6.9	97
172	Members of the Arabidopsis-SKP1-like gene family exhibit a variety of expression patterns and may play diverse roles in Arabidopsis. <i>Plant Physiology</i> , 2003 , 133, 203-17	6.6	95
171	Regulation of the Arabidopsis anther transcriptome by DYT1 for pollen development. <i>Plant Journal</i> , 2012 , 72, 612-24	6.9	93
170	The ASK1 and ASK2 genes are essential for Arabidopsis early development. <i>Plant Cell</i> , 2004 , 16, 5-20	11.6	93
169	Specific expression of the AGL1 MADS-box gene suggests regulatory functions in Arabidopsis gynoecium and ovule development. <i>Plant Journal</i> , 1996 , 10, 343-53	6.9	93
168	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
167	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
166	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
165	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
164	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
163	Analysis of Arabidopsis genome-wide variations before and after meiosis and meiotic recombination by resequencing Landsberg erecta and all four products of a single meiosis. <i>Genome Research</i> , 2012 , 22, 508-18	9.7	89

162	The floral genome: an evolutionary history of gene duplication and shifting patterns of gene expression. <i>Trends in Plant Science</i> , 2007 , 12, 358-67	13.1	88
161	Reverse breeding: a novel breeding approach based on engineered meiosis. <i>Plant Biotechnology Journal</i> , 2009 , 7, 837-45	11.6	86
160	The hornwort genome and early land plant evolution. <i>Nature Plants</i> , 2020 , 6, 107-118	11.5	81
159	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
158	The origins and early evolution of DNA mismatch repair genes--multiple horizontal gene transfers and co-evolution. <i>Nucleic Acids Research</i> , 2007 , 35, 7591-603	20.1	78
157	The ASK1 gene regulates development and interacts with the UFO gene to control floral organ identity in Arabidopsis. <i>Genesis</i> , 1999 , 25, 209-23		78
156	Characterization of a novel putative zinc finger gene MIF1: involvement in multiple hormonal regulation of Arabidopsis development. <i>Plant Journal</i> , 2006 , 45, 399-422	6.9	76
155	Molecular control of microsporogenesis in Arabidopsis. <i>Current Opinion in Plant Biology</i> , 2011 , 14, 66-73	9.9	73
154	Identification, sequence analysis and expression studies of novel anther-specific genes of Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 1998 , 37, 607-19	4.6	72
153	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
152	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
151	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
150	Rice male development under drought stress: phenotypic changes and stage-dependent transcriptomic reprogramming. <i>Molecular Plant</i> , 2013 , 6, 1630-45	14.4	66
149	The plant WNK gene family and regulation of flowering time in Arabidopsis. <i>Plant Biology</i> , 2008 , 10, 548-57	5.7	66
148	Stable and dynamic nucleosome states during a meiotic developmental process. <i>Genome Research</i> , 2011 , 21, 875-84	9.7	65
147	Genome-wide expression profiling and identification of gene activities during early flower development in Arabidopsis. <i>Plant Molecular Biology</i> , 2005 , 58, 401-19	4.6	63
146	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
145	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

144	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
143	Genome-Wide Comparative Analysis and Expression Pattern of TCP Gene Families in <i>Arabidopsis thaliana</i> and <i>Oryza sativa</i> . <i>Journal of Integrative Plant Biology</i> , 2007 , 49, 885-897	8.3	61
142	Regulation of flower development in <i>Arabidopsis</i> by SCF complexes. <i>Plant Physiology</i> , 2004 , 134, 1574-85.6		59
141	<i>Arabidopsis</i> 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
140	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
139	The <i>Amborella</i> genome: an evolutionary reference for plant biology. <i>Genome Biology</i> , 2008 , 9, 402	18.3	52
138	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
137	Development of flowering plant gametophytes. <i>Current Topics in Developmental Biology</i> , 2010 , 91, 379-413		51
136	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
135	Signaling and transcriptional control of reproductive development in <i>Arabidopsis</i> . <i>Current Biology</i> , 2010 , 20, R988-97	6.3	47
134	Double-stranded DNA breaks and gene functions in recombination and meiosis. <i>Cell Research</i> , 2006 , 16, 402-12	24.7	47
133	To be, or not to be, a flower--control of floral meristem identity. <i>Trends in Genetics</i> , 1998 , 14, 26-32	8.5	45
132	The <i>Arabidopsis</i> SKP1 homolog ASK1 controls meiotic chromosome remodeling and release of chromatin from the nuclear membrane and nucleolus. <i>Journal of Cell Science</i> , 2006 , 119, 3754-63	5.3	44
131	Towards a comprehensive integration of morphological and genetic studies of floral development. <i>Trends in Plant Science</i> , 2004 , 9, 164-73	13.1	44
130	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
129	Deep mRNA sequencing analysis to capture the transcriptome landscape of zebrafish embryos and larvae. <i>PLoS ONE</i> , 2013 , 8, e64058	3.7	42
128	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
127	Stimulated Raman scattering microscopy and spectroscopy with a rapid scanning optical delay line. <i>Optics Letters</i> , 2017 , 42, 659-662	3	41

126	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
125	Isolation, sequence analysis, and expression studies of florally expressed cDNAs in Arabidopsis. <i>Plant Molecular Biology</i> , 2003 , 53, 545-63	4.6	41
124	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
123	The soybean root-specific protein kinase GmWINK1 regulates stress-responsive ABA signaling on the root system architecture. <i>Plant Journal</i> , 2010 , 64, 230-42	6.9	39
122	Conservation and divergence of ASK1 and ASK2 gene functions during male meiosis in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2003 , 53, 163-73	4.6	39
121	Protein phosphorylation in plants: enzymes, substrates and regulators. <i>Trends in Genetics</i> , 1993 , 9, 228-30	5	39
120	ASK1, a SKP1 homolog, is required for nuclear reorganization, presynaptic homolog juxtaposition and the proper distribution of cohesin during meiosis in Arabidopsis. <i>Plant Molecular Biology</i> , 2006 , 62, 99-110	4.6	38
119	Elevated temperature increases meiotic crossover frequency via the interfering (Type I) pathway in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2018 , 14, e1007384	6	38
118	The G protein alpha subunit (GP alpha1) is associated with the ER and the plasma membrane in meristematic cells of Arabidopsis and cauliflower. <i>FEBS Letters</i> , 1997 , 407, 361-7	3.8	36
117	EST database for early flower development in California poppy (<i>Eschscholzia californica</i> Cham., Papaveraceae) tags over 6,000 genes from a basal eudicot. <i>Plant Molecular Biology</i> , 2006 , 62, 351-69	4.6	36
116	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
115	The Compositae Tree of Life in the age of phylogenomics. <i>Journal of Systematics and Evolution</i> , 2017 , 55, 405-410	2.9	35
114	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
113	AMS-dependent and independent regulation of anther transcriptome and comparison with those affected by other Arabidopsis anther genes. <i>BMC Plant Biology</i> , 2012 , 12, 23	5.3	34
112	The DNA replication factor RFC1 is required for interference-sensitive meiotic crossovers in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2012 , 8, e1003039	6	34
111	Regulated Expression of the Arabidopsis G Protein β Subunit Gene GPA1. <i>International Journal of Plant Sciences</i> , 1994 , 155, 3-14	2.6	34
110	MID1 plays an important role in response to drought stress during reproductive development. <i>Plant Journal</i> , 2016 , 88, 280-293	6.9	33
109	Alternative splicing during Arabidopsis flower development results in constitutive and stage-regulated isoforms. <i>Frontiers in Genetics</i> , 2014 , 5, 25	4.5	32

108	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
107	SKP1 is involved in abscisic acid signalling to regulate seed germination, stomatal opening and root growth in Arabidopsis thaliana. <i>Plant, Cell and Environment</i> , 2012 , 35, 952-65	8.4	31
106	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
105	Cell Biological Characterization of Male Meiosis and Pollen Development in Rice. <i>Journal of Integrative Plant Biology</i> , 2005 , 47, 734-744	8.3	31
104	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
103	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
102	The Arabidopsis thaliana DSB formation (AtDFO) gene is required for meiotic double-strand break formation. <i>Plant Journal</i> , 2012 , 72, 271-81	6.9	29
101	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
100	Vectors for plant transformation and cosmid libraries. <i>Gene</i> , 1992 , 117, 161-7	3.8	28
99	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
98	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
97	The GAOLAOZHUANGREN1 gene encodes a putative glycosyltransferase that is critical for normal development and carbohydrate metabolism. <i>Plant and Cell Physiology</i> , 2004 , 45, 1453-60	4.9	26
96	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
95	Plant G proteins: the different faces of GPA1. <i>Current Biology</i> , 2001 , 11, R869-71	6.3	23
94	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
93	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
92	Abundant protein phosphorylation potentially regulates Arabidopsis anther development. <i>Journal of Experimental Botany</i> , 2016 , 67, 4993-5008	7	22
91	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

90	F-box proteins regulate ethylene signaling and more. <i>Genes and Development</i> , 2009 , 23, 391-6	12.6	21
89	Genome-wide Analysis of Kelch Repeat-containing F-box Family. <i>Journal of Integrative Plant Biology</i> , 2007 , 49, 940-952	8.3	21
88	Plant reproduction: GABA gradient, guidance and growth. <i>Current Biology</i> , 2003 , 13, R834-6	6.3	21
87	Male meiotic spindle lengths in normal and mutant arabidopsis cells. <i>Plant Physiology</i> , 2001 , 126, 622-306.6		21
86	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
85	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
84	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
83	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
82	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
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