Hong Ma

List of Publications by Year
in descending order

278 papers	27,916 citations	5727 83 h-index	6881 156 g-index
292 all docs	292 docs citations	292 times ranked	27454 citing authors

#	Article	IF	Citations
1	Ancestral polyploidy in seed plants and angiosperms. Nature, 2011, 473, 97-100.	36.2	1,920
2	The protein encoded by the Arabidopsis homeotic gene agamous resembles transcription factors. Nature, 1990, 346, 35-39.	36.2	1,660
3	The <i>Amborella</i> Genome and the Evolution of Flowering Plants. Science, 2013, 342, 1241089.	20.9	775
4	Control of rice grain-filling and yield by a gene with a potential signature of domestication. Nature Genetics, 2008, 40, 1370-1374.	20.4	730
5	Widespread genome duplications throughout the history of flowering plants. Genome Research, 2006, 16, 738-749.	5.6	675
6	The Rice Tapetum Degeneration Retardation Gene Is Required for Tapetum Degradation and Anther Development. Plant Cell, 2006, 18, 2999-3014.	6.7	635
7	The SCFCOI1 Ubiquitin-Ligase Complexes Are Required for Jasmonate Response in Arabidopsis. Plant Cell, 2002, 14, 1919-1935.	6.7	612
8	MOLECULAR GENETIC ANALYSES OF MICROSPOROGENESIS AND MICROGAMETOGENESIS IN FLOWERING PLANTS. Annual Review of Plant Biology, 2005, 56, 393-434.	19.0	586
9	Plasmid construction by homologous recombination in yeast. Gene, 1987, 58, 201-216.	2.3	573
10	Genome-Wide Analysis of Basic/Helix-Loop-Helix Transcription Factor Family in Rice and Arabidopsis. Plant Physiology, 2006, 141, 1167-1184.	5.1	548
11	Ectopic expression of the floral homeotic gene AGAMOUS in transgenic Arabidopsis plants alters floral organ identity. Cell, 1992, 71, 119-131.	27.8	470
12	Identification of an SCF ubiquitin-ligase complex required for auxin response in Arabidopsis thaliana. Genes and Development, 1999, 13, 1678-1691.	5.9	460
13	The <i>EXCESS MICROSPOROCYTES1</i> gene encodes a putative leucine-rich repeat receptor protein kinase that controls somatic and reproductive cell fates in the <i>Arabidopsis</i> anther. Genes and Development, 2002, 16, 2021-2031.	5.9	447
14	Regulation of Arabidopsis tapetum development and function by DYSFUNCTIONAL TAPETUM1 (DYT1) encoding a putative bHLH transcription factor. Development (Cambridge), 2006, 133, 3085-3095.	2.6	405
15	Patterns of gene duplication in the plant SKP1 gene family in angiosperms: evidence for multiple mechanisms of rapid gene birth. Plant Journal, 2007, 50, 873-885.	5.9	382
16	The Evolution of the SEPALLATA Subfamily of MADS-Box GenesSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY850178, AY850179, AY850180, AY850181, AY850182, AY850183, AY850184, AY850185, AY850186.. Genetics, 2005, 169, 2209-2223.	2.9	346
17	The <i>Arabidopsis AtRAD51</i> gene is dispensable for vegetative development but required for meiosis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10596-10601.	7.6	291
18	Expression Pattern Shifts Following Duplication Indicative of Subfunctionalization and Neofunctionalization in Regulatory Genes of Arabidopsis. Molecular Biology and Evolution, 2006, 23, 469-478.	9.2	281

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19	Brassinosteroids control male fertility by regulating the expression of key genes involved in <i>Arabidopsis</i> anther and pollen development. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6100-6105.	7.6	280
20	Evolution of F-box genes in plants: Different modes of sequence divergence and their relationships with functional diversification. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 835-840.	7.6	277
21	Resolution of Brassicaceae Phylogeny Using Nuclear Genes Uncovers Nested Radiations and Supports Convergent Morphological Evolution. Molecular Biology and Evolution, 2016, 33, 394-412.	9.2	274
22	Widespread Whole Genome Duplications Contribute to Genome Complexity and Species Diversity in Angiosperms. Molecular Plant, 2018, 11, 414-428.	8.4	274
23	Origins and evolution of the recA/RAD51 gene family: Evidence for ancient gene duplication and endosymbiotic gene transfer. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10328-10333.	7.6	270
24	The water lily genome and the early evolution of flowering plants. Nature, 2020, 577, 79-84.	36.2	264
25	<i>Carbon Starved Anther</i>Encodes a MYB Domain Protein That Regulates Sugar Partitioning Required for Rice Pollen Development Â. Plant Cell, 2010, 22, 672-689.	6.7	261
26	Genome-Wide Analysis of the Cyclin Family in Arabidopsis and Comparative Phylogenetic Analysis of Plant Cyclin-Like Proteins. Plant Physiology, 2004, 135, 1084-1099.	5.1	256
27	Expression of floral MADS-box genes in basal angiosperms: implications for the evolution of floral regulators. Plant Journal, 2005, 43, 724-744.	5.9	252
28	Manipulation of flower structure in transgenic tobacco. Cell, 1992, 71, 133-143.	27.8	244
29	<i>Defective Pollen Wall</i>Is Required for Anther and Microspore Development in Rice and Encodes a Fatty Acyl Carrier Protein Reductase Â Â. Plant Cell, 2011, 23, 2225-2246.	6.7	236
30	The BAM1/BAM2 Receptor-Like Kinases Are Important Regulators of Arabidopsis Early Anther Development. Plant Cell, 2006, 18, 1667-1680.	6.7	233
31	<i>Arabidopsis MALE STERILITY1</i> Encodes a PHD-Type Transcription Factor and Regulates Pollen and Tapetum Development. Plant Cell, 2007, 19, 3549-3562.	6.7	224
32	The NAC Family Transcription Factor OsNAP Confers Abiotic Stress Response Through the ABA Pathway. Plant and Cell Physiology, 2014, 55, 604-619.	3.2	219
33	The hornwort genome and early land plant evolution. Nature Plants, 2020, 6, 107-118.	9.4	219
34	Type I MADS-box genes have experienced faster birth-and-death evolution than type II MADS-box genes in angiosperms. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1910-1915.	7.6	214
35	Evolution of Rosaceae Fruit Types Based on Nuclear Phylogeny in the Context of Geological Times and Genome Duplication. Molecular Biology and Evolution, 2017, 34, msw242.	9.2	211
36	The FLORAL ORGAN NUMBER4 Gene Encoding a Putative Ortholog of Arabidopsis CLAVATA3 Regulates Apical Meristem Size in Rice. Plant Physiology, 2006, 142, 1039-1052.	5.1	204

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37	Specific interactions between the K domains of AG and AGLs, members of the MADS domain family of DNA binding proteins. Plant Journal, 1997, 12, 999-1010.	5.9	196
38	Highly conserved lowâ€copy nuclear genes as effective markers for phylogenetic analyses in angiosperms. New Phytologist, 2012, 195, 923-937.	7.8	196
39	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. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13542-13547.	7.6	195
40	The <i>Arabidopsis SKP1-LIKE1</i> gene is essential for male meiosis and may control homologue separation. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 11416-11421.	7.6	187
41	Flower Development under Drought Stress: Morphological and Transcriptomic Analyses Reveal Acute Responses and Long-Term Acclimation in <i>Arabidopsis</i>. Plant Cell, 2013, 25, 3785-3807.	6.7	182
42	The ABCs of Floral Evolution. Cell, 2000, 101, 5-8.	27.8	173
43	Conservation and divergence in the AGAMOUS subfamily of MADS-box genes: evidence of independent sub- and neofunctionalization events. Evolution & Development, 2006, 8, 30-45.	2.1	172
44	Plant fertility defects induced by the enhanced expression of microRNA167. Cell Research, 2006, 16, 457-465.	12.2	168
45	Spatially and temporally regulated expression of the MADS-box gene AGL2 in wild-type and mutant arabidopsis flowers. Plant Molecular Biology, 1994, 26, 581-595.	4.0	159
46	Multiple Polyploidization Events across Asteraceae with Two Nested Events in the Early History Revealed by Nuclear Phylogenomics. Molecular Biology and Evolution, 2016, 33, 2820-2835.	9.2	157
47	Homolog interaction during meiotic prophase I in Arabidopsis requires the SOLO DANCERS gene encoding a novel cyclin-like protein. EMBO Journal, 2002, 21, 3081-3095.	8.2	151
48	Isolation and characterization of the binding sequences for the product of the Arabidopsis floral homeotic geneAGAMOUS. Nucleic Acids Research, 1993, 21, 4769-4776.	14.0	148
49	<i>Arabidopsis</i> TOE proteins convey a photoperiodic signal to antagonize CONSTANS and regulate flowering time. Genes and Development, 2015, 29, 975-987.	5.9	146
50	Regulation of the Arabidopsis anther transcriptome by DYT1 for pollen development. Plant Journal, 2012, 72, 612-624.	5.9	140
51	Resolution of deep eudicot phylogeny and their temporal diversification using nuclear genes from transcriptomic and genomic datasets. New Phytologist, 2017, 214, 1338-1354.	7.8	140
52	Dual Role of BKI1 and 14-3-3Âs in Brassinosteroid Signaling to Link Receptor with Transcription Factors. Developmental Cell, 2011, 21, 825-834.	7.0	139
53	Tissue-Specific Transcriptomics Reveals an Important Role of the Unfolded Protein Response in Maintaining Fertility upon Heat Stress in Arabidopsis. Plant Cell, 2017, 29, 1007-1023.	6.7	139
54	Missing links: the genetic architecture of flower and floral diversification. Trends in Plant Science, 2002, 7, 22-31.	9.1	138

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55	Regulation of Arabidopsis Early Anther Development by the Mitogen-Activated Protein Kinases, MPK3 and MPK6, and the ERECTA and Related Receptor-Like Kinases. Molecular Plant, 2008, 1, 645-658.	8.4	137
56	The transcriptome landscape of Arabidopsis male meiocytes from highâ€throughput sequencing: the complexity and evolution of the meiotic process. Plant Journal, 2011, 65, 503-516.	5.9	136
57	AtPRK2 Promotes ROP1 Activation via RopGEFs in the Control of Polarized Pollen Tube Growth. Molecular Plant, 2013, 6, 1187-1201.	8.4	136
58	The Arabidopsis MADS-box gene AGL3 is widely expressed and encodes a sequence-specific DNA-binding protein. Plant Molecular Biology, 1995, 28, 549-567.	4.0	133
59	Analysis of <i>Arabidopsis</i> genome-wide variations before and after meiosis and meiotic recombination by resequencing Landsberg <i>erecta</i> and all four products of a single meiosis. Genome Research, 2012, 22, 508-518.	5.6	129
60	Evolution of the RNA-dependent RNA polymerase (RdRP) genes: Duplications and possible losses before and after the divergence of major eukaryotic groups. Gene, 2009, 447, 29-39.	2.3	128
61	Genome-Wide Comparative Analysis and Expression Pattern of TCP Gene Families in Arabidopsis thaliana and Oryza sativa. Journal of Integrative Plant Biology, 2007, 49, 885-897.	9.2	127
62	Aluminum hypophosphite microencapsulated to improve its safety and application to flame retardant polyamide 6. Journal of Hazardous Materials, 2015, 294, 186-194.	12.6	127
63	Antiquity and Evolution of the MADS-Box Gene Family Controlling Flower Development in Plants. Molecular Biology and Evolution, 2003, 20, 1435-1447.	9.2	126
64	<i>Os<scp>NAC</scp>2</i> encoding a <scp>NAC</scp> transcription factor that affects plant height through mediating the gibberellic acid pathway in rice. Plant Journal, 2015, 82, 302-314.	5.9	122
65	The ASK1 and ASK2 Genes Are Essential for Arabidopsis Early Development. Plant Cell, 2004, 16, 5-20.	6.7	119
66	Separation of AG function in floral meristem determinacy from that in reproductive organ identity by expressing antisense AG RNA. Plant Molecular Biology, 1995, 28, 767-784.	4.0	116
67	The Arabidopsis <i>ROCKâ€Nâ€ROLLERS</i> gene encodes a homolog of the yeast ATPâ€dependent DNA helicase MER3 and is required for normal meiotic crossover formation. Plant Journal, 2005, 43, 321-334.	5.9	114
68	Nuclear phylotranscriptomics and phylogenomics support numerous polyploidization events and hypotheses for the evolution of rhizobial nitrogen-fixing symbiosis in Fabaceae. Molecular Plant, 2021, 14, 748-773.	8.4	113
69	Members of the Arabidopsis-SKP1-like Gene Family Exhibit a Variety of Expression Patterns and May Play Diverse Roles in Arabidopsis. Plant Physiology, 2003, 133, 203-217.	5.1	111
70	Reverse breeding: a novel breeding approach based on engineered meiosis. Plant Biotechnology Journal, 2009, 7, 837-845.	8.5	109
71	Optimized IMACâˆ’IMAC Protocol for Phosphopeptide Recovery from Complex Biological Samples. Journal of Proteome Research, 2010, 9, 3561-3573.	3.8	107
72	The rice OsDIL gene plays a role in drought tolerance at vegetative and reproductive stages. Plant Molecular Biology, 2013, 82, 239-253.	4.0	104

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73	Phylotranscriptomics in Cucurbitaceae Reveal Multiple Whole-Genome Duplications and Key Morphological and Molecular Innovations. Molecular Plant, 2020, 13, 1117-1133.	8.4	104
74	The floral genome: an evolutionary history of gene duplication and shifting patterns of gene expression. Trends in Plant Science, 2007, 12, 358-367.	9.1	103
75	Specific expression of the AGL1 MADS-box gene suggests regulatory functions in Arabidopsis gynoecium and ovule development. Plant Journal, 1996, 10, 343-353.	5.9	102
76	Rice Male Development under Drought Stress: Phenotypic Changes and Stage-Dependent Transcriptomic Reprogramming. Molecular Plant, 2013, 6, 1630-1645.	8.4	102
77	TheASK1 gene regulates development and interacts with theUFO gene to control floral organ identity inArabidopsis. Genesis, 1999, 25, 209-223.	2.6	100
78	Differential gene expression in Arabidopsis wildâ€type and mutant anthers: insights into anther cell differentiation and regulatory networks. Plant Journal, 2007, 52, 14-29.	5.9	99
79	Characterization of a novel putative zinc finger geneMIF1: involvement in multiple hormonal regulation of Arabidopsis development. Plant Journal, 2006, 45, 399-422.	5.9	98
80	Feedback Regulation of DYT1 by Interactions with Downstream bHLH Factors Promotes DYT1 Nuclear Localization and Anther Development. Plant Cell, 2016, 28, 1078-1093.	6.7	98
81	The origins and early evolution of DNA mismatch repair genesâ€"multiple horizontal gene transfers and co-evolution. Nucleic Acids Research, 2007, 35, 7591-7603.	14.0	97
82	Arabidopsis Genes<i>AS1</i>,<i>AS2</i>, and<i>JAG</i>Negatively Regulate Boundary-Specifying Genes to Promote Sepal and Petal Development. Plant Physiology, 2008, 146, 323-324.	5.1	96
83	Asterid Phylogenomics/Phylotranscriptomics Uncover Morphological Evolutionary Histories and Support Phylogenetic Placement for Numerous Whole-Genome Duplications. Molecular Biology and Evolution, 2020, 37, 3188-3210.	9.2	96
84	Evolution of Plant MADS Box Transcription Factors: Evidence for Shifts in Selection Associated with Early Angiosperm Diversification and Concerted Gene Duplications. Molecular Biology and Evolution, 2009, 26, 2229-2244.	9.2	91
85	The AWPM-19 Family Protein OsPM1 Mediates Abscisic Acid Influx and Drought Response in Rice. Plant Cell, 2018, 30, 1258-1276.	6.7	90
86	The Arabidopsis <i>CALLOSE DEFECTIVE MICROSPORE1</i> Gene Is Required for Male Fertility through Regulating Callose Metabolism during Microsporogenesis. Plant Physiology, 2014, 164, 1893-1904.	5.1	89
87	A well-resolved fern nuclear phylogeny reveals the evolution history of numerous transcription factor families. Molecular Phylogenetics and Evolution, 2018, 127, 961-977.	2.9	88
88	Phylogenetic Analysis of the Plantâ€specific<i>Zinc Fingerâ€Homeobox</i>and<i>Mini Zinc Finger</i>Gene Families. Journal of Integrative Plant Biology, 2008, 50, 1031-1045.	9.2	87
89	Identification, sequence analysis and expression studies of novel anther-specific genes of Arabidopsis thaliana. Plant Molecular Biology, 1998, 37, 607-619.	4.0	85
90	Wholeâ€genome DNA methylation patterns and complex associations with gene structure and expression during flower development in Arabidopsis. Plant Journal, 2015, 81, 268-281.	5.9	81

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91	Oestrogen Receptors and Signalling Pathways: Implications for Neuroprotective Effects of Sex Steroids in Parkinsonâ€™s Disease. Journal of Neuroendocrinology, 2012, 24, 48-61.	2.6	80
92	Perceived neighborhood environment and physical activity in 11 countries: Do associations differ by country?. International Journal of Behavioral Nutrition and Physical Activity, 2013, 10, 57.	4.5	78
93	Gene duplications and phylogenomic conflict underlie major pulses of phenotypic evolution in gymnosperms. Nature Plants, 2021, 7, 1015-1025.	9.4	78
94	The DNA Replication Factor RFC1 Is Required for Interference-Sensitive Meiotic Crossovers in Arabidopsis thaliana. PLoS Genetics, 2012, 8, e1003039.	3.4	77
95	Stable and dynamic nucleosome states during a meiotic developmental process. Genome Research, 2011, 21, 875-884.	5.6	76
96	Development of Flowering Plant Gametophytes. Current Topics in Developmental Biology, 2010, 91, 379-412.	5.7	74
97	Regulation of Flower Development in Arabidopsis by SCF Complexes. Plant Physiology, 2004, 134, 1574-1585.	5.1	71
98	A well-supported nuclear phylogeny of Poaceae and implications for the evolution of C4 photosynthesis. Molecular Plant, 2022, 15, 755-777.	8.4	69
99	The Amborella genome: an evolutionary reference for plant biology. Genome Biology, 2008, 9, 402.	7.3	68
100	Complex evolutionary history and diverse domain organization of SET proteins suggest divergent regulatory interactions. New Phytologist, 2012, 195, 248-263.	7.8	68
101	Elevated temperature increases meiotic crossover frequency via the interfering (Type I) pathway in Arabidopsis thaliana. PLoS Genetics, 2018, 14, e1007384.	3.4	68
102	Expansion and Functional Divergence of Jumonji C-Containing Histone Demethylases: Significance of Duplications in Ancestral Angiosperms and Vertebrates. Plant Physiology, 2015, 168, 1321-1337.	5.1	67
103	Genome-wide expression profiling and identification of gene activities during early flower development in Arabidopsis. Plant Molecular Biology, 2005, 58, 401-419.	4.0	66
104	OsERF101, an ERF family transcription factor, regulates drought stress response in reproductive tissues. Plant Molecular Biology, 2018, 98, 51-65.	4.0	66
105	The Compositae Tree of Life in the age of phylogenomics. Journal of Systematics and Evolution, 2017, 55, 405-410.	3.0	64
106	Phylotranscriptomic insights into Asteraceae diversity, polyploidy, and morphological innovation. Journal of Integrative Plant Biology, 2021, 63, 1273-1293.	9.2	64
107	Proteomic and phosphoproteomic analyses reveal extensive phosphorylation of regulatory proteins in developing rice anthers. Plant Journal, 2015, 84, 527-544.	5.9	63
108	Detection of genomic variations and DNA polymorphisms and impact on analysis of meiotic recombination and genetic mapping. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10007-10012.	7.6	58

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109	Deep mRNA Sequencing Analysis to Capture the Transcriptome Landscape of Zebrafish Embryos and Larvae. PLoS ONE, 2013, 8, e64058.	2.5	57
110	40Ar/39Ar laser-probe dating of diamond inclusions from the Premier kimberlite. Nature, 1989, 340, 460-462.	36.2	56
111	Arabidopsis <i>Cell Division Cycle 20.1</i> Is Required for Normal Meiotic Spindle Assembly and Chromosome Segregation. Plant Cell, 2015, 27, 3367-3382.	6.7	56
112	Phosphorylation of SPOROCYTELESS/NOZZLE by the MPK3/6 Kinase Is Required for Anther Development. Plant Physiology, 2017, 173, 2265-2277.	5.1	56
113	Stimulated Raman scattering microscopy and spectroscopy with a rapid scanning optical delay line. Optics Letters, 2017, 42, 659.	3.3	55
114	The soybean root-specific protein kinase GmWNK1 regulates stress-responsive ABA signaling on the root system architecture. Plant Journal, 2010, 64, 230-242.	5.9	53
115	<i>SKP1</i> is involved in abscisic acid signalling to regulate seed germination, stomatal opening and root growth in <i>Arabidopsis thaliana</i>. Plant, Cell and Environment, 2012, 35, 952-965.	6.0	53
116	To be, or not to be, a flower â€” control of floral meristem identity. Trends in Genetics, 1998, 14, 26-32.	6.9	51
117	Towards a comprehensive integration of morphological and genetic studies of floral development. Trends in Plant Science, 2004, 9, 164-173.	9.1	51
118	Double-stranded DNA breaks and gene functions in recombination and meiosis. Cell Research, 2006, 16, 402-412.	12.2	51
119	Comprehensive Analysis of Genic Male Sterility-Related Genes in Brassica rapa Using a Newly Developed Br300K Oligomeric Chip. PLoS ONE, 2013, 8, e72178.	2.5	50
120	<i>MID1</i> plays an important role in response to drought stress during reproductive development. Plant Journal, 2016, 88, 280-293.	5.9	50
121	The<i>Arabidopsis SKP1</i>homolog<i>ASK1</i>controls meiotic chromosome remodeling and release of chromatin from the nuclear membrane and nucleolus. Journal of Cell Science, 2006, 119, 3754-3763.	2.1	49
122	The <i>Arabidopsis thaliana</i> DSB formation (<i>AtDFO</i>) gene is required for meiotic doubleâ€strand break formation. Plant Journal, 2012, 72, 271-281.	5.9	48
123	The PHD Finger Protein MMD1/DUET Ensures the Progression of Male Meiotic Chromosome Condensation and Directly Regulates the Expression of the Condensin Gene <i>CAP-D3</i>. Plant Cell, 2016, 28, 1894-1909.	6.7	48
124	Alternative splicing during Arabidopsis flower development results in constitutive and stage-regulated isoforms. Frontiers in Genetics, 2014, 5, 25.	2.3	46
125	Plant based Pickering stabilization of emulsions using soluble flaxseed protein and mucilage nano-assemblies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 563, 170-182.	4.8	45
126	Recurrent genome duplication events likely contributed to both the ancient and recent rise of ferns. Journal of Integrative Plant Biology, 2020, 62, 433-455.	9.2	45

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127	Molecular genetic analyses of abiotic stress responses during plant reproductive development. Journal of Experimental Botany, 2020, 71, 2870-2885.	4.9	45
128	Isolation, sequence analysis, and expression studies of florally expressed cDNAs in Arabidopsis. Plant Molecular Biology, 2003, 53, 545-563.	4.0	44
129	ASK1, a SKP1 homolog, is required for nuclear reorganization, presynaptic homolog juxtaposition and the proper distribution of cohesin during meiosis in Arabidopsis. Plant Molecular Biology, 2006, 62, 99-110.	4.0	43
130	Phylogenomic analyses of large-scale nuclear genes provide new insights into the evolutionary relationships within the rosids. Molecular Phylogenetics and Evolution, 2016, 105, 166-176.	2.9	43
131	Conservation and divergence of ASK1 and ASK2 gene functions during male meiosis in Arabidopsis thaliana. Plant Molecular Biology, 2003, 53, 163-173.	4.0	42
132	Vaccine antigens. Perspectives in Vaccinology, 2011, 1, 61-88.	0.2	42
133	Arabidopsis RAD51, RAD51C and XRCC3 proteins form a complex and facilitate RAD51 localization on chromosomes for meiotic recombination. PLoS Genetics, 2017, 13, e1006827.	3.4	41
134	Meiotic sex chromosome inactivation. Current Biology, 2010, 20, R962-R963.	4.0	40
135	Tobacco Influence on Taste and Smell: Systematic Review of the Literature. International Archives of Otorhinolaryngology, 2018, 22, 081-087.	0.8	40
136	Protein phosphorylation in plants: enzymes, substrates and regulators. Trends in Genetics, 1993, 9, 228-230.	6.9	39
137	Regulated Expression of the Arabidopsis G Protein Î± Subunit Gene GPA1. International Journal of Plant Sciences, 1994, 155, 3-14.	1.4	39
138	The <scp>A</scp>rabidopsis <i><scp>RAD</scp>51</i> paralogs <i><scp>RAD</scp>51B</i>,<i><scp>RAD</scp>51<scp>D</scp></i> and <i><scp>XRCC</scp>2</i> play partially redundant roles in somatic <scp>DNA</scp> repair and gene regulation. New Phytologist, 2014, 201, 292-304.	7.8	39
139	Moderate drought causes dramatic floral transcriptomic reprogramming to ensure successful reproductive development in Arabidopsis. BMC Plant Biology, 2014, 14, 164.	3.7	39
140	EST database for early flower development in California poppy (Eschscholzia californica Cham.,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	4.0	38
141	AMS-dependent and independent regulation of anther transcriptome and comparison with those affected by other Arabidopsis anther genes. BMC Plant Biology, 2012, 12, 23.	3.7	38
142	Phylotranscriptomics Resolves the Phylogeny of Pooideae and Uncovers Factors for Their Adaptive Evolution. Molecular Biology and Evolution, 2022, 39, .	9.2	38
143	Meiocyte-Specific and AtSPO11-1â€"Dependent Small RNAs and Their Association with Meiotic Gene Expression and Recombination. Plant Cell, 2019, 31, 444-464.	6.7	37
144	Characterization of cultured human prostatic epithelial cells by cluster designation antigen expression. Cell and Tissue Research, 2001, 305, 389-397.	3.0	36

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145	Functional divergence of the duplicated <i>AtKIN14a</i> and <i>AtKIN14b</i> genes: critical roles in Arabidopsis meiosis and gametophyte development. Plant Journal, 2008, 53, 1013-1026.	5.9	36
146	Cell Biological Characterization of Male Meiosis and Pollen Development in Rice. Journal of Integrative Plant Biology, 2005, 47, 734-744.	9.2	35
147	CbCBF from Capsella bursa-pastoris enhances cold tolerance and restrains growth in Nicotiana tabacum by antagonizing with gibberellin and affecting cell cycle signaling. Plant Molecular Biology, 2014, 85, 259-275.	4.0	34
148	Abundant protein phosphorylation potentially regulates Arabidopsis anther development. Journal of Experimental Botany, 2016, 67, 4993-5008.	4.9	34
149	BKI1 Regulates Plant Architecture through Coordinated Inhibition of the Brassinosteroid and ERECTA Signaling Pathways in Arabidopsis. Molecular Plant, 2017, 10, 297-308.	8.4	34
150	Functional conservation of the meiotic genes SDS and RCK in male meiosis in the monocot rice. Cell Research, 2009, 19, 768-782.	12.2	33
151	Stepâ€wise and lineageâ€specific diversification of plant <scp>RNA</scp> polymerase genes and origin of the largest plantâ€specific subunits. New Phytologist, 2015, 207, 1198-1212.	7.8	33
152	Proteomic analysis of lysine acetylation provides strong evidence for involvement of acetylated proteins in plant meiosis and tapetum function. Plant Journal, 2018, 93, 142-154.	5.9	33
153	Orderâ€level fern plastome phylogenomics: new insights from Hymenophyllales. American Journal of Botany, 2018, 105, 1545-1555.	1.9	32
154	Clinical Trials of Probiotic Strains in Selected Disease Entities. International Journal of Microbiology, 2020, 2020, 1-8.	2.3	32
155	Fibrotic Response to Neoadjuvant Therapy Predicts Survival in Pancreatic Cancer and Is Measurable with Collagen-Targeted Molecular MRI. Clinical Cancer Research, 2020, 26, 5007-5018.	7.2	32
156	An EST database for Liriodendron tulipifera L. floral buds: the first EST resource for functional and comparative genomics in Liriodendron. Tree Genetics and Genomes, 2008, 4, 419-433.	1.7	31
157	Use of UPLC-ESI-MS/MS to quantitate free amino acid concentrations in micro-samples of mammalian milk. SpringerPlus, 2013, 2, 622.	1.2	31
158	Phylogenetic Resolution of Deep Eukaryotic and Fungal Relationships Using Highly Conserved Low-Copy Nuclear Genes. Genome Biology and Evolution, 2016, 8, 2683-2701.	2.6	31
159	ANAC019 is required for recovery of reproductive development under drought stress in Arabidopsis. Plant Molecular Biology, 2019, 99, 161-174.	4.0	31
160	Graded levels of hemorrhage, thirst and angiotensin II in the rat. Physiology and Behavior, 1975, 15, 117-119.	2.1	30
161	Vectors for plant transformation and cosmid libraries. Gene, 1992, 117, 161-167.	2.3	30
162	Spin-cluster effect and lattice-deformation-induced Kondo effect, spin-glass freezing, and strong phonon scattering in La0.7Ca0.3Mn1â^'xCrxO3. Journal of Applied Physics, 2005, 97, 103908.	2.3	29

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