Hong-Zhi Kong

List of Publications by Year
in descending order

66 papers	6,044 citations	159585 30 h-index	98798 67 g-index
68 all docs	68 docs citations	68 times ranked	7269 citing authors

#	Article	IF	Citations
1	The <i>Amborella</i> Genome and the Evolution of Flowering Plants. Science, 2013, 342, 1241089.	12.6	743
2	Divergence of duplicate genes in exonâ€“intron structure. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1187-1192.	7.1	671
3	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.	5.7	361
4	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	343
5	Resolution of deep angiosperm phylogeny using conserved nuclear genes and estimates of early divergence times. Nature Communications, 2014, 5, 4956.	12.8	330
6	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.	7.1	268
7	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.	7.1	268
8	Genome-Wide Analysis of the Cyclin Family in Arabidopsis and Comparative Phylogenetic Analysis of Plant Cyclin-Like Proteins. Plant Physiology, 2004, 135, 1084-1099.	4.8	252
9	Expression of floral MADS-box genes in basal angiosperms: implications for the evolution of floral regulators. Plant Journal, 2005, 43, 724-744.	5.7	247
10	The asparagus genome sheds light on the origin and evolution of a young Y chromosome. Nature Communications, 2017, 8, 1279.	12.8	240
11	The water lily genome and the early evolution of flowering plants. Nature, 2020, 577, 79-84.	27.8	238
12	The hornwort genome and early land plant evolution. Nature Plants, 2020, 6, 107-118.	9.3	203
13	The <i>SEPALLATA-</i>Like Gene <i>OsMADS34</i> Is Required for Rice Inflorescence and Spikelet Development Â Â Â. Plant Physiology, 2010, 153, 728-740.	4.8	193
14	The AGL6-like gene OsMADS6 regulates floral organ and meristem identities in rice. Cell Research, 2010, 20, 299-313.	12.0	134
15	Chloroplast genomic data provide new and robust insights into the phylogeny and evolution of the Ranunculaceae. Molecular Phylogenetics and Evolution, 2019, 135, 12-21.	2.7	123
16	Patterns of gene duplication and functional diversification during the evolution of the AP1/SQUA subfamily of plant MADS-box genes. Molecular Phylogenetics and Evolution, 2007, 44, 26-41.	2.7	104
17	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.	8.9	88
18	Disruption of the petal identity gene <i>APETALA3-3</i> is highly correlated with loss of petals within the buttercup family (Ranunculaceae). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5074-5079.	7.1	88

#	Article	IF	Citations
19	Flexibility in the structure of spiral flowers and its underlying mechanisms. Nature Plants, 2016, 2, 15188.	9.3	88
20	Interactions among Proteins of Floral MADS-Box Genes in Basal Eudicots: Implications for Evolution of the Regulatory Network for Flower Development. Molecular Biology and Evolution, 2010, 27, 1598-1611.	8.9	72
21	Highly Heterogeneous Rates of Evolution in the SKP1 Gene Family in Plants and Animals: Functional and Evolutionary Implications. Molecular Biology and Evolution, 2004, 21, 117-128.	8.9	69
22	Mitochondrial matR sequences help to resolve deep phylogenetic relationships in rosids. BMC Evolutionary Biology, 2007, 7, 217.	3.2	66
23	Petalâ€specific subfunctionalization of an <i>APETALA3</i> paralog in the Ranunculales and its implications for petal evolution. New Phytologist, 2011, 191, 870-883.	7.3	65
24	Carbonic Anhydrases Function in Anther Cell Differentiation Downstream of the Receptor-Like Kinase EMS1. Plant Cell, 2017, 29, 1335-1356.	6.6	52
25	Insights into angiosperm evolution, floral development and chemical biosynthesis from the Aristolochia fimbriata genome. Nature Plants, 2021, 7, 1239-1253.	9.3	51
26	Developmental mechanisms involved in the diversification of flowers. Nature Plants, 2019, 5, 917-923.	9.3	46
27	Gain of An Auto-regulatory Site Led to Divergence of the Arabidopsis APETALA1 and CAULIFLOWER Duplicate Genes in the Time, Space and Level of Expression and Regulation of One Paralog by the Other. Plant Physiology, 2016, 171, pp.00320.2016.	4.8	42
28	Comparative morphology of leaf epidermis in the Chloranthaceae. Botanical Journal of the Linnean Society, 2001, 136, 279-294.	1.6	39
29	Characterization of candidate class A, B and E floral homeotic genes from the perianthless basal angiosperm Chloranthus spicatus (Chloranthaceae). Development Genes and Evolution, 2005, 215, 437-449.	0.9	37
30	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.	5.7	34
31	The MIK region rather than the Câ€terminal domain of AP3â€like class B floral homeotic proteins determines functional specificity in the development and evolution of petals. New Phytologist, 2008, 178, 544-558.	7.3	32
32	Conservation and divergence of candidate class B genes in Akebia trifoliata (Lardizabalaceae). Development Genes and Evolution, 2006, 216, 785-795.	0.9	31
33	Identification of the Key Regulatory Genes Involved in Elaborate Petal Development and Specialized Character Formation in <i>Nigella</i><i>damascena</i> (Ranunculaceae). Plant Cell, 2020, 32, 3095-3112.	6.6	27
34	F-box proteins regulate ethylene signaling and more. Genes and Development, 2009, 23, 391-396.	5.9	26
35	Phylogeny of <i>Chloranthus</i> (Chloranthaceae) based on nuclear ribosomal ITS and plastid TRNLâ€F sequence data. American Journal of Botany, 2002, 89, 940-946.	1.7	25
36	Revisiting taxonomy, morphological evolution, and fossil calibration strategies in Chloranthaceae. Journal of Systematics and Evolution, 2011, 49, 315-329.	3.1	25

#	Article	IF	Citations
37	Floral organogenesis of Chloranthus sessilifolius , with special emphasis on the morphological nature of the androecium of Chloranthus (Chloranthaceae). Plant Systematics and Evolution, 2002, 232, 181-188.	0.9	24
38	Structural, Expression and Interaction Analysis of Rice SKP1-Like Genes. DNA Research, 2013, 20, 67-78.	3.4	24
39	Duplication and Divergence of Floral MADS-Box Genes in Grasses: Evidence for the Generation and Modification of Novel Regulators. Journal of Integrative Plant Biology, 2007, 49, 927-939.	8.5	23
40	The Tetracentron genome provides insight into the early evolution of eudicots and the formation of vessel elements. Genome Biology, 2020, 21, 291.	8.8	23
41	The making of elaborate petals in <i>Nigella</i> through developmental repatterning. New Phytologist, 2019, 223, 385-396.	7.3	21
42	A role for the Auxin Response Factors <i>ARF6</i> and <i>ARF8</i> homologs in petal spur elongation and nectary maturation in <i>Aquilegia</i>. New Phytologist, 2020, 227, 1392-1405.	7.3	21
43	A chromosome-scale reference genome of Aquilegia oxysepala var. kansuensis. Horticulture Research, 2020, 7, 113.	6.3	20
44	Prevalent Exon-Intron Structural Changes in the APETALA1/FRUITFULL, SEPALLATA, AGAMOUS-LIKE6, and FLOWERING LOCUS C MADS-Box Gene Subfamilies Provide New Insights into Their Evolution. Frontiers in Plant Science, 2016, 7, 598.	3.6	19
45	The morphology, molecular development and ecological function of pseudonectaries on Nigella damascena (Ranunculaceae) petals. Nature Communications, 2020, 11, 1777.	12.8	18
46	Evolution of the grass leaf by primordium extension and petiole-lamina remodeling. Science, 2021, 374, 1377-1381.	12.6	18
47	Interactions among proteins of floral MADSâ€box genes in <i>Nuphar pumila</i> (Nymphaeaceae) and the most recent common ancestor of extant angiosperms help understand the underlying mechanisms of the origin of the flower. Journal of Systematics and Evolution, 2015, 53, 285-296.	3.1	17
48	Evolutionary divergence of the APETALA1 and CAULIFLOWER proteins. Journal of Systematics and Evolution, 2012, 50, 502-511.	3.1	14
49	Karyotypes of Sarcandra Gardn. and Chloranthus Swartz (Chloranthaceae) from China. Botanical Journal of the Linnean Society, 2000, 133, 327-342.	1.6	12
50	Allozyme variation and population differentiation of the Aconitum delavayi complex (Ranunculaceae) in the Hengduan Mountains of China. Biochemical Genetics, 2003, 41, 47-55.	1.7	9
51	Petal development and elaboration. Journal of Experimental Botany, 2022, 73, 3308-3318.	4.8	9
52	Evolutionary pattern of the regulatory network for flower development: Insights gained from a comparison of two <i>Arabidopsis</i> species. Journal of Systematics and Evolution, 2011, 49, 528-538.	3.1	7
53	Identification of the target genes of AqAPETALA3â€3 (AqAP3â€3) in <i>Aquilegia coerulea</i> (Ranunculaceae) helps understand the molecular bases of the conserved and nonconserved features of petals. New Phytologist, 2020, 227, 1235-1248.	7.3	7
54	ABC model and floral evolution. Science Bulletin, 2003, 48, 2651-2657.	1.7	6

#	Article	IF	Citations
55	Evolution of the cyclin gene family in plants. Journal of Systematics and Evolution, 2014, 52, 651-659.	3.1	5
56	Phylogenomic detection and functional prediction of genes potentially important for plant meiosis. Gene, 2018, 643, 83-97.	2.2	4
57	Parallel evolution of apetalous lineages within the buttercup family (Ranunculaceae): outward expansion of <i>AGAMOUS1</i>, rather than disruption of <i>APETALA3â€3</i>. Plant Journal, 2020, 104, 1169-1181.	5.7	4
58	Diversity of flowers in basic structure and its underlying molecular mechanisms. Scientia Sinica Vitae, 2019, 49, 292-300.	0.3	4
59	MeioBase: a comprehensive database for meiosis. Frontiers in Plant Science, 2014, 5, 728.	3.6	3
60	Comparative morphology of leaf epidermis in the Chloranthaceae. Botanical Journal of the Linnean Society, 2001, 136, 279-294.	1.6	2
61	Plant evolutionary developmental biology. Introduction to a special issue. New Phytologist, 2017, 216, 335-336.	7.3	1
62	The genome of Ginkgo biloba refined. Nature Plants, 2021, 7, 714-715.	9.3	1
63	Loss of innovative traits underlies multiple origins of <i>Aquilegia ecalcarata</i>. Journal of Systematics and Evolution, 2022, 60, 1291-1302.	3.1	1
64	Developmental repatterning and biodiversity. Biodiversity Science, 2014, 22, 66.	0.6	1
65	How did the flower originate?. Chinese Science Bulletin, 2017, 62, 2323-2334.	0.7	1
66	Effects of regulatory evolution on morphological diversity. Biodiversity Science, 2014, 22, 72.	0.6	0