Jinling Huang

List of Publications by Year
in descending order

65 papers	4,031 citations	136740 32 h-index	128067 60 g-index
68 all docs	68 docs citations	68 times ranked	5121 citing authors

#	Article	IF	Citations
1	The maize single-nucleus transcriptome comprehensively describes signaling networks governing movement and development of grass stomata. Plant Cell, 2022, , .	3.1	8
2	Major episodes of horizontal gene transfer drove the evolution of land plants. Molecular Plant, 2022, 15, 857-871.	3.9	50
3	Origins of strigolactone and karrikin signaling in plants. Trends in Plant Science, 2022, 27, 450-459.	4.3	24
4	The Cycas genome and the early evolution of seed plants. Nature Plants, 2022, 8, 389-401.	4.7	80
5	The cellular function of ROP GTPase prenylation is important for multicellularity in the moss <i>Physcomitrium patens</i>. Development (Cambridge), 2022, 149, .	1.2	5
6	Adaptive innovation of green plants by horizontal gene transfer. Biotechnology Advances, 2021, 46, 107671.	6.0	22
7	Fungal genes in the innovation and evolution of land plants. Plant Signaling and Behavior, 2021, 16, 1879534.	1.2	1
8	Introgressing the Aegilops tauschii genome into wheat as a basis for cereal improvement. Nature Plants, 2021, 7, 774-786.	4.7	65
9	Genomic insights into the fast growth of paulownias and the formation of Paulownia witches' broom. Molecular Plant, 2021, 14, 1668-1682.	3.9	39
10	Fungal Genes in Plants: Impact and Potential Applications. Trends in Plant Science, 2020, 25, 1064-1067.	4.3	3
11	Genome Sequencing of the Endangered Kingdonia uniflora (Circaeasteraceae, Ranunculales) Reveals Potential Mechanisms of Evolutionary Specialization. IScience, 2020, 23, 101124.	1.9	23
12	AGAMOUS-LIKE67 Cooperates with the Histone Mark Reader EBS to Modulate Seed Germination under High Temperature. Plant Physiology, 2020, 184, 529-545.	2.3	21
13	Evolution and roles of cytokinin genes in angiosperms 2: Do ancient CKXs play housekeeping roles while non-ancient CKXs play regulatory roles?. Horticulture Research, 2020, 7, 29.	2.9	32
14	Are fungiâ€derived genomic regions related to antagonism towards fungi in mosses?. New Phytologist, 2020, 228, 1169-1175.	3.5	8
15	Plant Colonization of Land: Mining Genes from Bacteria. Trends in Plant Science, 2020, 25, 317-319.	4.3	3
16	A mycorrhizae-like gene regulates stem cell and gametophore development in mosses. Nature Communications, 2020, 11, 2030.	5.8	13
17	Expression of FRIGIDA in root inhibits flowering in Arabidopsis thaliana. Journal of Experimental Botany, 2019, 70, 5101-5114.	2.4	17
18	The genome of Populus alba x Populus tremula var. glandulosa clone 84K. DNA Research, 2019, 26, 423-431.	1.5	56

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19	Genome of <i>Crucihimalaya himalaica</i> , a close relative of <i>Arabidopsis</i> , shows ecological adaptation to high altitude. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7137-7146.	3.3	108
20	ABI5-BINDING PROTEIN2 Coordinates CONSTANS to Delay Flowering by Recruiting the Transcriptional Corepressor TPR2. Plant Physiology, 2019, 179, 477-490.	2.3	29
21	Gene refashioning through innovative shifting of reading frames in mosses. Nature Communications, 2018, 9, 1555.	5.8	19
22	Horizontal Gene Transfer From Bacteria and Plants to the Arbuscular Mycorrhizal Fungus Rhizophagus irregularis. Frontiers in Plant Science, 2018, 9, 701.	1.7	77
23	Re-analyses of â€œAlgalâ€•Genes Suggest a Complex Evolutionary History of Oomycetes. Frontiers in Plant Science, 2017, 8, 1540.	1.7	8
24	Why does lateral transfer occur in so many species and how?. Chinese Science Bulletin, 2017, 62, 1221-1225.	0.4	0
25	Comparative Transcriptomics of Strawberries (Fragaria spp.) Provides Insights into Evolutionary Patterns. Frontiers in Plant Science, 2016, 7, 1839.	1.7	33
26	Origin of the plant Tm-1-like gene via two independent horizontal transfer events and one gene fusion event. Scientific Reports, 2016, 6, 33691.	1.6	7
27	Transcriptome sequencing of Crucihimalaya himalaica (Brassicaceae) reveals how Arabidopsis close relative adapt to the Qinghai-Tibet Plateau. Scientific Reports, 2016, 6, 21729.	1.6	47
28	Horizontal gene transfer: building the web of life. Nature Reviews Genetics, 2015, 16, 472-482.	7.7	1,018
29	Association Analysis of the Maize Gene ZmYS1 with Kernel Mineral Concentrations. Plant Molecular Biology Reporter, 2015, 33, 1327-1335.	1.0	3
30	Ancient horizontal transfer of transaldolaseâ€‑like protein gene and its role in plant vascular development. New Phytologist, 2015, 206, 807-816.	3.5	34
31	The evolution of photosynthesis in chromist algae through serial endosymbioses. Nature Communications, 2014, 5, 5764.	5.8	130
32	Origin of plant auxin biosynthesis in charophyte algae: a reply to Wang et al.. Trends in Plant Science, 2014, 19, 743.	4.3	3
33	Proteasome-Mediated Degradation of FRIGIDA Modulates Flowering Time in <i>Arabidopsis</i> during Vernalization. Plant Cell, 2014, 26, 4763-4781.	3.1	71
34	Genome-wide and molecular evolution analysis of the subtilase gene family in Vitis vinifera. BMC Genomics, 2014, 15, 1116.	1.2	28
35	The evolution of land plants: a perspective from horizontal gene transfer. Acta Societatis Botanicorum Poloniae, 2014, 83, 363-368.	0.8	7
36	Root parasitic plant Orobanche aegyptiaca and shoot parasitic plant Cuscuta australis obtained Brassicaceae-specific strictosidine synthase-like genes by horizontal gene transfer. BMC Plant Biology, 2014, 14, 19.	1.6	57

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37	Origin of plant auxin biosynthesis. Trends in Plant Science, 2014, 19, 764-770.	4.3	81
38	Horizontal gene transfer provides new insights into biological evolution. Chinese Science Bulletin, 2014, 59, 2055-2064.	0.4	1
39	AST: An Automated Sequence-Sampling Method for Improving the Taxonomic Diversity of Gene Phylogenetic Trees. PLoS ONE, 2014, 9, e98844.	1.1	1
40	Horizontal gene transfer in the evolution of photosynthetic eukaryotes. Journal of Systematics and Evolution, 2013, 51, 13-29.	1.6	23
41	The scale and evolutionary significance of horizontal gene transfer in the choanoflagellate Monosiga brevicollis. BMC Genomics, 2013, 14, 729.	1.2	26
42	Horizontal gene transfer in eukaryotes: The weakâ€link model. BioEssays, 2013, 35, 868-875.	1.2	129
43	Horizontal gene transfer in the innovation and adaptation of land plants. Plant Signaling and Behavior, 2013, 8, e24130.	1.2	24
44	Widespread impact of horizontal gene transfer on plant colonization of land. Nature Communications, 2012, 3, 1152.	5.8	181
45	Algal genes in aplastidic eukaryotes are not necessarily derived from historical plastids. Mobile Genetic Elements, 2012, 2, 193-196.	1.8	2
46	Ancient gene transfer from algae to animals: Mechanisms and evolutionary significance. BMC Evolutionary Biology, 2012, 12, 83.	3.2	33
47	Evolution of Plant Nucleotide-Sugar Interconversion Enzymes. PLoS ONE, 2011, 6, e27995.	1.1	64
48	De novo origin of new genes with introns inPlasmodium vivax. FEBS Letters, 2011, 585, 641-644.	1.3	38
49	Evidence for acquisition of virulence effectors in pathogenic chytrids. BMC Evolutionary Biology, 2011, 11, 195.	3.2	48
50	Analyses of the oligopeptide transporter gene family in poplar and grape. BMC Genomics, 2011, 12, 465.	1.2	64
51	EGID: an ensemble algorithm for improved genomic island detection in genomic sequences. Bioinformation, 2011, 7, 311-314.	0.2	27
52	Molecular evolution and phylogeny of the angiosperm ycf2 gene. Journal of Systematics and Evolution, 2010, 48, 240-248.	1.6	44
53	Algal Genes in the Closest Relatives of Animals. Molecular Biology and Evolution, 2010, 27, 2879-2889.	3.5	38
54	Horizontal gene transfer from extinct and extant lineages: biological innovation and the coral of life. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2229-2239.	1.8	61

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55	Analyses of domains and domain fusions in human proto-oncogenes. BMC Bioinformatics, 2009, 10, 88.	1.2	4
56	Are algal genes in nonphotosynthetic protists evidence of historical plastid endosymbioses?. BMC Genomics, 2009, 10, 484.	1.2	76
57	The cellulose synthase superfamily in fully sequenced plants and algae. BMC Plant Biology, 2009, 9, 99.	1.6	143
58	Ancient Gene Transfer as a Tool in Phylogenetic Reconstruction. Methods in Molecular Biology, 2009, 532, 127-139.	0.4	20
59	Concerted gene recruitment in early plant evolution. Genome Biology, 2008, 9, R109.	13.9	46
60	Did an ancient chlamydial endosymbiosis facilitate the establishment of primary plastids?. Genome Biology, 2007, 8, R99.	13.9	165
61	Ancient horizontal gene transfer can benefit phylogenetic reconstruction. Trends in Genetics, 2006, 22, 361-366.	2.9	71
62	The Presence of a Haloarchaeal Type Tyrosyl-tRNA Synthetase Marks the Opisthokonts as Monophyletic. Molecular Biology and Evolution, 2005, 22, 2142-2146.	3.5	43
63	Gene transfer in the evolution of parasite nucleotide biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3154-3159.	3.3	195
64	A first glimpse into the pattern and scale of gene transfer in the Apicomplexa. International Journal for Parasitology, 2004, 34, 265-274.	1.3	90
65	Phylogenomic evidence supports past endosymbiosis, intracellular and horizontal gene transfer in Cryptosporidium parvum. Genome Biology, 2004, 5, R88.	13.9	141