Jinling Huang

List of Publications by Year
in descending order

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65 papers	4,031 citations	136950 32 h-index	128289 60 g-index
68 all docs	68 docs citations	68 times ranked	5121 citing authors

#	Article	IF	Citations
1	Horizontal gene transfer: building the web of life. Nature Reviews Genetics, 2015, 16, 472-482.	16.3	1,018
2	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.	7.1	195
3	Widespread impact of horizontal gene transfer on plant colonization of land. Nature Communications, 2012, 3, 1152.	12.8	181
4	Did an ancient chlamydial endosymbiosis facilitate the establishment of primary plastids?. Genome Biology, 2007, 8, R99.	9.6	165
5	The cellulose synthase superfamily in fully sequenced plants and algae. BMC Plant Biology, 2009, 9, 99.	3.6	143
6	Phylogenomic evidence supports past endosymbiosis, intracellular and horizontal gene transfer in Cryptosporidium parvum. Genome Biology, 2004, 5, R88.	9.6	141
7	The evolution of photosynthesis in chromist algae through serial endosymbioses. Nature Communications, 2014, 5, 5764.	12.8	130
8	Horizontal gene transfer in eukaryotes: The weakâ€link model. BioEssays, 2013, 35, 868-875.	2.5	129
9	Genome of Crucihimalaya himalaica , a close relative of Arabidopsis , shows ecological adaptation to high altitude. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7137-7146.	7.1	108
10	A first glimpse into the pattern and scale of gene transfer in the Apicomplexa. International Journal for Parasitology, 2004, 34, 265-274.	3.1	90
11	Origin of plant auxin biosynthesis. Trends in Plant Science, 2014, 19, 764-770.	8.8	81
12	The Cycas genome and the early evolution of seed plants. Nature Plants, 2022, 8, 389-401.	9.3	80
13	Horizontal Gene Transfer From Bacteria and Plants to the Arbuscular Mycorrhizal Fungus Rhizophagus irregularis. Frontiers in Plant Science, 2018, 9, 701.	3.6	77
14	Are algal genes in nonphotosynthetic protists evidence of historical plastid endosymbioses?. BMC Genomics, 2009, 10, 484.	2.8	76
15	Ancient horizontal gene transfer can benefit phylogenetic reconstruction. Trends in Genetics, 2006, 22, 361-366.	6.7	71
16	Proteasome-Mediated Degradation of FRIGIDA Modulates Flowering Time in Arabidopsis during Vernalization. Plant Cell, 2014, 26, 4763-4781.	6.6	71
17	Introgressing the Aegilops tauschii genome into wheat as a basis for cereal improvement. Nature Plants, 2021, 7, 774-786.	9.3	65
18	Evolution of Plant Nucleotide-Sugar Interconversion Enzymes. PLoS ONE, 2011, 6, e27995.	2.5	64

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19	Analyses of the oligopeptide transporter gene family in poplar and grape. BMC Genomics, 2011, 12, 465.	2.8	64
20	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.	4.0	61
21	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.	3.6	57
22	The genome of Populus alba x Populus tremula var. glandulosa clone 84K. DNA Research, 2019, 26, 423-431.	3.4	56
23	Major episodes of horizontal gene transfer drove the evolution of land plants. Molecular Plant, 2022, 15, 857-871.	8.3	50
24	Evidence for acquisition of virulence effectors in pathogenic chytrids. BMC Evolutionary Biology, 2011, 11, 195.	3.2	48
25	Transcriptome sequencing of Crucihimalaya himalaica (Brassicaceae) reveals how Arabidopsis close relative adapt to the Qinghai-Tibet Plateau. Scientific Reports, 2016, 6, 21729.	3.3	47
26	Concerted gene recruitment in early plant evolution. Genome Biology, 2008, 9, R109.	9.6	46
27	Molecular evolution and phylogeny of the angiosperm ycf2 gene. Journal of Systematics and Evolution, 2010, 48, 240-248.	3.1	44
28	The Presence of a Haloarchaeal Type Tyrosyl-tRNA Synthetase Marks the Opisthokonts as Monophyletic. Molecular Biology and Evolution, 2005, 22, 2142-2146.	8.9	43
29	Genomic insights into the fast growth of paulownias and the formation of Paulownia witches' broom. Molecular Plant, 2021, 14, 1668-1682.	8.3	39
30	Algal Genes in the Closest Relatives of Animals. Molecular Biology and Evolution, 2010, 27, 2879-2889.	8.9	38
31	De novo origin of new genes with introns inPlasmodium vivax. FEBS Letters, 2011, 585, 641-644.	2.8	38
32	Ancient horizontal transfer of transaldolaseâ€like protein gene and its role in plant vascular development. New Phytologist, 2015, 206, 807-816.	7.3	34
33	Ancient gene transfer from algae to animals: Mechanisms and evolutionary significance. BMC Evolutionary Biology, 2012, 12, 83.	3.2	33
34	Comparative Transcriptomics of Strawberries (Fragaria spp.) Provides Insights into Evolutionary Patterns. Frontiers in Plant Science, 2016, 7, 1839.	3.6	33
35	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.	6.3	32
36	ABI5-BINDING PROTEIN2 Coordinates CONSTANS to Delay Flowering by Recruiting the Transcriptional Corepressor TPR2. Plant Physiology, 2019, 179, 477-490.	4.8	29

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37	Genome-wide and molecular evolution analysis of the subtilase gene family in Vitis vinifera. BMC Genomics, 2014, 15, 1116.	2.8	28
38	EGID: an ensemble algorithm for improved genomic island detection in genomic sequences. Bioinformation, 2011, 7, 311-314.	0.5	27
39	The scale and evolutionary significance of horizontal gene transfer in the choanoflagellate Monosiga brevicollis. BMC Genomics, 2013, 14, 729.	2.8	26
40	Horizontal gene transfer in the innovation and adaptation of land plants. Plant Signaling and Behavior, 2013, 8, e24130.	2.4	24
41	Origins of strigolactone and karrikin signaling in plants. Trends in Plant Science, 2022, 27, 450-459.	8.8	24
42	Horizontal gene transfer in the evolution of photosynthetic eukaryotes. Journal of Systematics and Evolution, 2013, 51, 13-29.	3.1	23
43	Genome Sequencing of the Endangered Kingdonia uniflora (Circaeasteraceae, Ranunculales) Reveals Potential Mechanisms of Evolutionary Specialization. IScience, 2020, 23, 101124.	4.1	23
44	Adaptive innovation of green plants by horizontal gene transfer. Biotechnology Advances, 2021, 46, 107671.	11.7	22
45	AGAMOUS-LIKE67 Cooperates with the Histone Mark Reader EBS to Modulate Seed Germination under High Temperature. Plant Physiology, 2020, 184, 529-545.	4.8	21
46	Ancient Gene Transfer as a Tool in Phylogenetic Reconstruction. Methods in Molecular Biology, 2009, 532, 127-139.	0.9	20
47	Gene refashioning through innovative shifting of reading frames in mosses. Nature Communications, 2018, 9, 1555.	12.8	19
48	Expression of FRIGIDA in root inhibits flowering in Arabidopsis thaliana. Journal of Experimental Botany, 2019, 70, 5101-5114.	4.8	17
49	A mycorrhizae-like gene regulates stem cell and gametophore development in mosses. Nature Communications, 2020, 11, 2030.	12.8	13
50	Re-analyses of â€œAlgalâ€•Genes Suggest a Complex Evolutionary History of Oomycetes. Frontiers in Plant Science, 2017, 8, 1540.	3.6	8
51	Are fungiâ€derived genomic regions related to antagonism towards fungi in mosses?. New Phytologist, 2020, 228, 1169-1175.	7.3	8
52	The maize single-nucleus transcriptome comprehensively describes signaling networks governing movement and development of grass stomata. Plant Cell, 2022, , .	6.6	8
53	The evolution of land plants: a perspective from horizontal gene transfer. Acta Societatis Botanicorum Poloniae, 2014, 83, 363-368.	0.8	7
54	Origin of the plant Tm-1-like gene via two independent horizontal transfer events and one gene fusion event. Scientific Reports, 2016, 6, 33691.	3.3	7

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55	The cellular function of ROP GTPase prenylation is important for multicellularity in the moss Physcomitrium patens. Development (Cambridge), 2022, 149, .	2.5	5
56	Analyses of domains and domain fusions in human proto-oncogenes. BMC Bioinformatics, 2009, 10, 88.	2.6	4
57	Origin of plant auxin biosynthesis in charophyte algae: a reply to Wang et al.. Trends in Plant Science, 2014, 19, 743.	8.8	3
58	Association Analysis of the Maize Gene ZmYS1 with Kernel Mineral Concentrations. Plant Molecular Biology Reporter, 2015, 33, 1327-1335.	1.8	3
59	Fungal Genes in Plants: Impact and Potential Applications. Trends in Plant Science, 2020, 25, 1064-1067.	8.8	3
60	Plant Colonization of Land: Mining Genes from Bacteria. Trends in Plant Science, 2020, 25, 317-319.	8.8	3
61	Algal genes in aplastidic eukaryotes are not necessarily derived from historical plastids. Mobile Genetic Elements, 2012, 2, 193-196.	1.8	2
62	Fungal genes in the innovation and evolution of land plants. Plant Signaling and Behavior, 2021, 16, 1879534.	2.4	1
63	Horizontal gene transfer provides new insights into biological evolution. Chinese Science Bulletin, 2014, 59, 2055-2064.	0.7	1
64	AST: An Automated Sequence-Sampling Method for Improving the Taxonomic Diversity of Gene Phylogenetic Trees. PLoS ONE, 2014, 9, e98844.	2.5	1
65	Why does lateral transfer occur in so many species and how?. Chinese Science Bulletin, 2017, 62, 1221-1225.	0.7	0