Song Ge

List of Publications by Year
in descending order

94 papers	7,001 citations	81900 39 h-index	62596 80 g-index
96 all docs	96 docs citations	96 times ranked	7845 citing authors

#	Article	IF	Citations
1	Resequencing 50 accessions of cultivated and wild rice yields markers for identifying agronomically important genes. Nature Biotechnology, 2012, 30, 105-111.	17.5	818
2	COLD1 Confers Chilling Tolerance in Rice. Cell, 2015, 160, 1209-1221.	28.9	724
3	Multilocus Analysis of Nucleotide Variation of Oryza sativa and Its Wild Relatives: Severe Bottleneck during Domestication of Rice. Molecular Biology and Evolution, 2007, 24, 875-888.	8.9	329
4	Centres of plant endemism in China: places for survival or for speciation?. Journal of Biogeography, 2011, 38, 1267-1280.	3.0	316
5	Natural Variation in the Promoter of GSE5 Contributes to Grain Size Diversity in Rice. Molecular Plant, 2017, 10, 685-694.	8.3	253
6	Draft genome of the living fossil Ginkgo biloba. GigaScience, 2016, 5, 49.	6.4	232
7	Phylogenetic relationships among A-genome species of the genus Oryza revealed by intron sequences of four nuclear genes. New Phytologist, 2005, 167, 249-265.	7.3	226
8	Plant Biodiversity in China: Richly Varied, Endangered, and in Need of Conservation. Biodiversity and Conservation, 2006, 15, 3983-4026.	2.6	183
9	Genetics and phylogenetics of rice domestication. Current Opinion in Genetics and Development, 2007, 17, 533-538.	3.3	177
10	Liriodendron genome sheds light on angiosperm phylogeny and speciesâ€“pair differentiation. Nature Plants, 2019, 5, 18-25.	9.3	163
11	The Puzzle of Rice Domestication. Journal of Integrative Plant Biology, 2007, 49, 760-768.	8.5	161
12	The phylogeny of the BEP clade in grasses revisited: Evidence from the whole-genome sequences of chloroplasts. Molecular Phylogenetics and Evolution, 2012, 62, 573-578.	2.7	153
13	Phylogenetic relationships in Elymus (Poaceae: Triticeae) based on the nuclear ribosomal internal transcribed spacer and chloroplast trnLâ€F sequences. New Phytologist, 2006, 170, 411-420.	7.3	148
14	Selection on grain shattering genes and rates of rice domestication. New Phytologist, 2009, 184, 708-720.	7.3	140
15	Genomic variation associated with local adaptation of weedy rice during de-domestication. Nature Communications, 2017, 8, 15323.	12.8	132
16	Molecular phylogeny of Oryzeae (Poaceae) based on DNA sequences from chloroplast, mitochondrial, and nuclear genomes. American Journal of Botany, 2005, 92, 1548-1558.	1.7	130
17	Phylogeography of the endangeredCathaya argyrophylla(Pinaceae) inferred from sequence variation of mitochondrial and nuclear DNA. Molecular Ecology, 2006, 15, 4109-4122.	3.9	127
18	Analysis of 142 genes resolves the rapid diversification of the rice genus. Genome Biology, 2008, 9, R49.	9.6	124

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19	Divergent evolution of oxidosqualene cyclases in plants. New Phytologist, 2012, 193, 1022-1038.	7.3	122
20	Variability and adaptability of Miscanthus species evaluated for energy crop domestication. GCB Bioenergy, 2012, 4, 49-60.	5.6	107
21	A selfish genetic element confers non-Mendelian inheritance in rice. Science, 2018, 360, 1130-1132.	12.6	105
22	Resequencing 545 ginkgo genomes across the world reveals the evolutionary history of the living fossil. Nature Communications, 2019, 10, 4201.	12.8	99
23	Microsatellite analysis of genetic diversity and population genetic structure of a wild rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Overlock	3.6	98
24	Transposable elements drive rapid phenotypic variation in Capsella rubella. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6908-6913.	7.1	97
25	Phylogeny and biogeography of the rice tribe (Oryzeae): Evidence from combined analysis of 20 chloroplast fragments. Molecular Phylogenetics and Evolution, 2010, 54, 266-277.	2.7	87
26	Ecological divergence in the presence of gene flow in two closely related Oryza species (Oryza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	3.9	82
27	Genetic diversity and domestication history of African rice (Oryza glaberrima) as inferred from multiple gene sequences. Theoretical and Applied Genetics, 2011, 123, 21-31.	3.6	75
28	Multiple species of wild tree peonies gave rise to the â€˜king of flowersâ€™, Paeonia suffruticosa Andrews. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141687.	2.6	74
29	A host plant genome (Zizania latifolia) after a centuryâ€long endophyte infection. Plant Journal, 2015, 83, 600-609.	5.7	67
30	Genetic Erosion in Northern Marginal Population of the Common Wild RiceOryza RufipogonGriff. and its Conservation, Revealed by the Change of Population Genetic cstructure. Hereditas, 2000, 133, 47-53.	1.4	66
31	Divergence and adaptive evolution of the gibberellin oxidase genes in plants. BMC Evolutionary Biology, 2015, 15, 207.	3.2	55
32	A phylogeny of the rice tribe Oryzeae (Poaceae) based on matK sequence data. American Journal of Botany, 2002, 89, 1967-1972.	1.7	53
33	Clonality in wild rice (Oryza rufipogon, Poaceae) and its implications for conservation management. American Journal of Botany, 2001, 88, 1058-1064.	1.7	51
34	On the Origin of De Novo Genes inArabidopsis thalianaPopulations. Genome Biology and Evolution, 2016, 8, 2190-2202.	2.5	49
35	A preliminary study on population genetic structure and phylogeography of the wild and cultivated Zizania latifolia (Poaceae) based on Adh1a sequences. Theoretical and Applied Genetics, 2008, 116, 835-843.	3.6	47
36	A well-supported nuclear phylogeny of Poaceae and implications for the evolution of C4 photosynthesis. Molecular Plant, 2022, 15, 755-777.	8.3	47

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37	Molecular evidence for glacial expansion and interglacial retreat during Quaternary climatic changes in a montane temperate pine (Pinus kwangtungensis Chun ex Tsiang) in southern China. Plant Systematics and Evolution, 2010, 284, 219-229.	0.9	46
38	Population genetic structure of Oryza rufipogon and Oryza nivara: implications for the origin of O.Ânivara. Molecular Ecology, 2015, 24, 5211-5228.	3.9	46
39	Multilocus estimation of divergence times and ancestral effective population sizes of <scp>O</scp>ryza species and implications for the rapid diversification of the genus. New Phytologist, 2013, 198, 1155-1164.	7.3	43
40	Decrease of gene expression diversity during domestication of animals and plants. BMC Evolutionary Biology, 2019, 19, 19.	3.2	42
41	Contrasting population genetic structure and gene flow between Oryza rufipogon and Oryza nivara. Theoretical and Applied Genetics, 2008, 117, 1181-1189.	3.6	41
42	Are Differences in Genomic Data Sets due to True Biological Variants or Errors in Genome Assembly: An Example from Two Chloroplast Genomes. PLoS ONE, 2015, 10, e0118019.	2.5	41
43	Frequent Introgressions from Diploid Species Contribute to the Adaptation of the Tetraploid Shepherdâ€™s Purse (Capsella bursa-pastoris). Molecular Plant, 2015, 8, 427-438.	8.3	40
44	Genetic Diversity and Population Differentiation of Liaoning Weedy Rice Detected by RAPD and SSR Markers. Biochemical Genetics, 2005, 43, 261-270.	1.7	39
45	Comparisons of Genetic Diversity in the Endangered Adenophora lobophylla and Its Widespread Congener, A. potaninii. Conservation Biology, 1999, 13, 509-513.	4.7	36
46	Multiple patterns of rDNA evolution following polyploidy in Oryza. Molecular Phylogenetics and Evolution, 2010, 55, 136-142.	2.7	32
47	Genetic Variation in Hippophae rhamnoides ssp. sinensis (Elaeagnaceae) Revealed by RAPD Markers. Biochemical Genetics, 2006, 44, 186-197.	1.7	31
48	Parallel Speciation of Wild Rice Associated with Habitat Shifts. Molecular Biology and Evolution, 2019, 36, 875-889.	8.9	31
49	The impact and origin of copy number variations in the Oryza species. BMC Genomics, 2016, 17, 261.	2.8	30
50	Stepwise selection of natural variations at CTB2 and CTB4a improves cold adaptation during domestication of japonica rice. New Phytologist, 2021, 231, 1056-1072.	7.3	30
51	Allozyme Variation in Ophiopogon xylorrhizus , an Extreme Endemic Species of Yunnan, China. Conservation Biology, 1997, 11, 562-565.	4.7	29
52	Comparative phylogeography of the wildâ€rice genus Zizania (Poaceae) in eastern Asia and North America. American Journal of Botany, 2015, 102, 239-247.	1.7	29
53	Characterization of the whole chloroplast genome of Chikusichloa mutica and its comparison with other rice tribe (Oryzeae) species. PLoS ONE, 2017, 12, e0177553.	2.5	28
54	Phylogeny and species delimitation of the Câ€genome diploid species in Oryza. Journal of Systematics and Evolution, 2011, 49, 386-395.	3.1	27

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55	Widespread and Adaptive Alterations in Genome-Wide Gene Expression Associated with Ecological Divergence of TwoOryzaSpecies. Molecular Biology and Evolution, 2016, 33, 62-78.	8.9	26
56	Phylogenomic approaches to deciphering the tree of life. Journal of Systematics and Evolution, 2015, 53, 369-370.	3.1	25
57	Title is missing!. Euphytica, 2002, 124, 273-281.	1.2	23
58	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
59	Development of microsatellite markers for Miscanthus sinensis (Poaceae) and crossâ€amplification in other related species. American Journal of Botany, 2011, 98, e195-7.	1.7	20
60	Multiple origins of BBCC allopolyploid species in the rice genus (Oryza). Scientific Reports, 2015, 5, 14876.	3.3	20
61	Genetic diversity and evolutionary relationships ofOryza species with the B- and C-genomes as revealed by SSR markers. Journal of Plant Biology, 2006, 49, 339-347.	2.1	18
62	Multilocus species tree analyses resolve the ancient radiation of the subtribe Zizaniinae (Poaceae). Molecular Phylogenetics and Evolution, 2015, 84, 232-239.	2.7	18
63	Oryza coarctata: the name that best reflects the relationships of Porteresia coarctata (Poaceae:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	16
64	Intra-Population Genetic Structure of Oryza rufipogon Griff. in Yunnan, China. Journal of Plant Research, 2001, 114, 107-113.	2.4	15
65	Identification of genomic constitutions of Oryza species with the B and C genomes by the PCR-RFLP method. Genetic Resources and Crop Evolution, 2005, 52, 69-76.	1.6	15
66	Machine learning algorithms improve the power of phytolith analysis: A case study of the tribe Oryzeae (Poaceae). Journal of Systematics and Evolution, 2017, 55, 377-384.	3.1	15
67	Cytotype Variation and Cytogeography of Scilla Sinensis (LOURIRO) Merrill (Hyacinthaceae) in China. Hereditas, 2004, 129, 151-160.	1.4	14
68	Spatial Autocorrelation of Genetic Variation in Three Stands of Ophiopogon xylorrhizus(Liliaceaes.l.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.9	13
69	The Gastrodia menghaiensis (Orchidaceae) genome provides new insights of orchid mycorrhizal interactions. BMC Plant Biology, 2022, 22, 179.	3.6	13
70	Population genetics and evolutionary history of Miscanthus species in China. Journal of Systematics and Evolution, 2019, 57, 530-542.	3.1	12
71	The whole chloroplast genome of wild rice (Oryza australiensis). Mitochondrial DNA, 2016, 27, 1062-1063.	0.6	11
72	Evidence that Natural Selection is the Primary Cause of the Guanine-cytosine Content Variation in Rice Genes. Journal of Integrative Plant Biology, 2007, 49, 1393-1399.	8.5	10

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73	Identification of long noncoding natural antisense transcripts (lncNATs) correlated with drought stress response in wild rice (Oryza nivara). BMC Genomics, 2021, 22, 424.	2.8	10
74	Genetic Diversity in Accessions of Wild Rice Oryza granulata from South and Southeast Asia. Genetic Resources and Crop Evolution, 2006, 53, 197-204.	1.6	9
75	Divergence in flowering time is a major component contributing to reproductive isolation between two wild rice species (Oryza rufipogon and O. nivara). Science China Life Sciences, 2020, 63, 1714-1724.	4.9	9
76	Title is missing!. Biochemical Genetics, 2000, 38, 138-146.	1.7	8
77	Evolutionary History and Complementary Selective Relaxation of the Duplicated PI Genes in Grasses. Journal of Integrative Plant Biology, 2011, 53, 682-693.	8.5	8
78	A study on population genetic structure ofOryzu meyeriana (Zoll. et Mor. ex Steud.) Baill. from Yunnan and itsin situ conservation significance. Science in China Series C: Life Sciences, 1999, 42, 102-108.	1.3	7
79	Evolution of genes and genomes in the genomics era. Science China Life Sciences, 2020, 63, 602-605.	4.9	7
80	Allozyme variation in the diploid (A genome) populations ofScilla scilloides (Hyacinthaceae). Plant Systematics and Evolution, 1999, 218, 23-31.	0.9	6
81	Positive effects of flower abundance and synchronous flowering on pollination success, and pollinia dispersal in rewardless Changnienia amoena (Orchidaceae). Biological Journal of the Linnean Society, 2010, 99, 477-488.	1.6	6
82	Isolation and characterization of 50 nuclear microsatellite markers for Cathaya argyrophylla, a Chinese endemic conifer. American Journal of Botany, 2010, 97, e117-20.	1.7	6
83	Nucleotide diversity of 11<scp>S</scp> seed storage protein gene and its implications for ecological adaptation of Oryza nivara. Journal of Systematics and Evolution, 2013, 51, 641-651.	3.1	6
84	Population genetics and evolutionary history of the wild rice species Oryza rufipogon and O.Ânivara in Sri Lanka. Ecology and Evolution, 2018, 8, 12056-12065.	1.9	6
85	Genome-wide investigation on transcriptional responses to drought stress in wild and cultivated rice. Environmental and Experimental Botany, 2021, 189, 104555.	4.2	6
86	Genomic landscape of parallel domestication of upland rice and its implications. Journal of Systematics and Evolution, 2021, 59, 229-239.	3.1	5
87	Genome evolution in Oryza allopolyploids of various ages: Insights into the process of diploidization. Plant Journal, 2021, 105, 721-735.	5.7	5
88	Mutational meltdown or controlled chain reaction: The dynamics of rapid plastome evolution in the hyperdiversity of Poaceae. Journal of Systematics and Evolution, 2023, 61, 328-344.	3.1	5
89	Endoâ€allopolyploidy of autopolyploids and recurrent hybridizationâ€”A possible mechanism to explain the unresolved Yâ€genome donor in polyploid Elymus species (Triticeae: Poaceae). Journal of Systematics and Evolution, 2022, 60, 344-360.	3.1	4
90	OUP accepted manuscript. DNA Research, 2022, , .	3.4	4

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91	Isolation and Characterization of Microsatellite Loci for a Bioenergy Grass, Miscanthus sacchariflorus (Poaceae). Applications in Plant Sciences, 2013, 1, 1200210.	2.1	3
92	Genetic structure and heterozygosity variation between generations of Ophiopogon xylorrhizus (Liliaceae s.l.), an endemic species in Yunnan, southwest China. Biochemical Genetics, 2001, 39, 93-98.	1.7	2
93	Biosystematic studies on Adenophora potaninii Korsh. complex (Campanulaceae) V. A taxonomic treatment. Journal of Systematics and Evolution, 2010, 48, 445-454.	3.1	1
94	Introduction of barley to the Tibetan Plateau: an important step toward Tibetan civilization. National Science Review, 2019, 6, 1014-1014.	9.5	1