

Huan Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

892

citations

18

h-index

28

g-index

92

ext. papers

1,511

ext. citations

7.1

avg, IF

3.87

L-index

#	Paper	IF	Citations
66	Genomes shed light on the evolution of Begonia, a mega-diverse genus.. <i>New Phytologist</i> , 2022 ,	9.8	1
65	The genome of Hippophae rhamnoides provides insights into a conserved molecular mechanism in actinorhizal and rhizobial symbiosis.. <i>New Phytologist</i> , 2022 ,	9.8	2
64	The Cycas genome and the early evolution of seed plants.. <i>Nature Plants</i> , 2022 ,	11.5	5
63	Comparative Analyses of 3,654 Plastid Genomes Unravel Insights Into Evolutionary Dynamics and Phylogenetic Discordance of Green Plants.. <i>Frontiers in Plant Science</i> , 2022 , 13, 808156	6.2	0
62	Viral receptor profiles of masked palm civet revealed by single-cell transcriptomics.. <i>Journal of Genetics and Genomics</i> , 2022 ,	4	0
61	Chromosome-Scale Genome of Masked Palm Civet () Shows Genomic Signatures of Its Biological Characteristics and Evolution.. <i>Frontiers in Genetics</i> , 2021 , 12, 819493	4.5	1
60	Single cell atlas for 11 non-model mammals, reptiles and birds. <i>Nature Communications</i> , 2021 , 12, 7083	17.4	5
59	The chromosome-scale genomes of Dipterocarpus turbinatus and Hopea hainanensis (Dipterocarpaceae) provide insights into fragrant oleoresin biosynthesis and hard wood formation. <i>Plant Biotechnology Journal</i> , 2021 ,	11.6	1
58	Chloranthus genome provides insights into the early diversification of angiosperms. <i>Nature Communications</i> , 2021 , 12, 6930	17.4	5
57	The Draft Genome of the Centric Diatom Conticribra weissflogii (Coscinodiscophyceae, Ochrophyta).. <i>Protist</i> , 2021 , 172, 125845	2.5	1
56	VThunter: a database for single-cell screening of virus target cells in the animal kingdom. <i>Nucleic Acids Research</i> , 2021 ,	20.1	3
55	Genome-wide analyses across Viridiplantae reveal the origin and diversification of small RNA pathway-related genes. <i>Communications Biology</i> , 2021 , 4, 412	6.7	3
54	The genome of Magnolia biondii Pamp. provides insights into the evolution of Magnoliales and biosynthesis of terpenoids. <i>Horticulture Research</i> , 2021 , 8, 38	7.7	9
53	Whole-genome resequencing of 445 Lactuca accessions reveals the domestication history of cultivated lettuce. <i>Nature Genetics</i> , 2021 , 53, 752-760	36.3	9
52	A chromosome-level genome assembly of rugged rose (Rosa rugosa) provides insights into its evolution, ecology, and floral characteristics. <i>Horticulture Research</i> , 2021 , 8, 141	7.7	8
51	Mycorrhizal symbiosis modulates the rhizosphere microbiota to promote rhizobia-legume symbiosis. <i>Molecular Plant</i> , 2021 , 14, 503-516	14.4	18
50	Targeted enrichment of novel chloroplast-based probes reveals a large-scale phylogeny of 412 bamboos. <i>BMC Plant Biology</i> , 2021 , 21, 76	5.3	1

49	Metagenomic Analysis Reveals Microbial Community Structure and Metabolic Potential for Nitrogen Acquisition in the Oligotrophic Surface Water of the Indian Ocean. <i>Frontiers in Microbiology</i> , 2021 , 12, 518865	5.7	3
48	Chromosome-level genome of Himalayan yew provides insights into the origin and evolution of the paclitaxel biosynthetic pathway. <i>Molecular Plant</i> , 2021 , 14, 1199-1209	14.4	10
47	Chromosome-scale genomes provide new insights into subspecies divergence and evolutionary characteristics of the giant panda. <i>Science Bulletin</i> , 2021 , 66, 2002-2013	10.6	0
46	The <i>Clausena lansium</i> (Wampee) genome reveal new insights into the carbazole alkaloids biosynthesis pathway. <i>Genomics</i> , 2021 , 113, 3696-3704	4.3	2
45	An efficient pipeline for ancient DNA mapping and recovery of endogenous ancient DNA from whole-genome sequencing data. <i>Ecology and Evolution</i> , 2021 , 11, 390-401	2.8	2
44	Dissecting the genome of star fruit (<i>L.</i>). <i>Horticulture Research</i> , 2020 , 7, 94	7.7	8
43	The genome of <i>Prasinoderma coloniale</i> unveils the existence of a third phylum within green plants. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1220-1231	12.3	31
42	Are fungi-derived genomic regions related to antagonism towards fungi in mosses?. <i>New Phytologist</i> , 2020 , 228, 1169-1175	9.8	5
41	The draft genome of mandrill (<i>Mandrillus sphinx</i>): An Old World monkey. <i>Scientific Reports</i> , 2020 , 10, 2431	4.9	2
40	Comparative transcriptomic analyses of chlorogenic acid and luteolosides biosynthesis pathways at different flowering stages of diploid and tetraploid. <i>PeerJ</i> , 2020 , 8, e8690	3.1	2
39	Genomes of early-diverging streptophyte algae shed light on plant terrestrialization. <i>Nature Plants</i> , 2020 , 6, 95-106	11.5	73
38	Comparative Plastome Analysis of Root- and Stem-Feeding Parasites of Santalales Untangle the Footprints of Feeding Mode and Lifestyle Transitions. <i>Genome Biology and Evolution</i> , 2020 , 12, 3663-3678	2.9	16
37	Establishment of regeneration system of callus pathway for <i>Iris sanguinea</i> Donn ex Horn. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2020 , 56, 694-702	2.3	
36	The Draft Genome of <i>Coelastrum proboscideum</i> (Sphaeropleales, Chlorophyta). <i>Protist</i> , 2020 , 171, 125758	5.8	1
35	An Indo-Pacific Humpback Dolphin Genome Reveals Insights into Chromosome Evolution and the Demography of a Vulnerable Species. <i>iScience</i> , 2020 , 23, 101640	6.1	8
34	Genomic and transcriptomic analysis unveils population evolution and development of pesticide resistance in fall armyworm <i>Spodoptera frugiperda</i> . <i>Protein and Cell</i> , 2020 , 1	7.2	20
33	Deciphering the Microbial Taxonomy and Functionality of Two Diverse Mangrove Ecosystems and Their Potential Abilities To Produce Bioactive Compounds. <i>MSystems</i> , 2020 , 5,	7.6	5
32	Plastid phylogenomic insights into the evolution of the Caprifoliaceae s.l. (Dipsacales). <i>Molecular Phylogenetics and Evolution</i> , 2020 , 142, 106641	4.1	20

31	The preceding root system drives the composition and function of the rhizosphere microbiome. <i>Genome Biology</i> , 2020 , 21, 89	18.3	27
30	Molecular evidence for origin, diversification and ancient gene duplication of plant subtilases (SBTs). <i>Scientific Reports</i> , 2019 , 9, 12485	4.9	5
29	Draft genome sequence of <i>Solanum aethiopicum</i> provides insights into disease resistance, drought tolerance, and the evolution of the genome. <i>GigaScience</i> , 2019 , 8,	7.6	24
28	Molecular digitization of a botanical garden: high-depth whole-genome sequencing of 689 vascular plant species from the Ruili Botanical Garden. <i>GigaScience</i> , 2019 , 8,	7.6	24
27	Phylogenomics Provides New Insights into Gains and Losses of Selenoproteins among Archaeplastida. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
26	Spliced Leader Genes Identified from Stranded RNA-Seq Datasets. <i>Microorganisms</i> , 2019 , 7,	4.9	3
25	The Distribution of Tryptophan-Dependent Indole-3-Acetic Acid Synthesis Pathways in Bacteria Unraveled by Large-Scale Genomic Analysis. <i>Molecules</i> , 2019 , 24,	4.8	42
24	Phylogeographic Analysis and Genetic Structure of an Endemic Sino-Japanese Disjunctive Genus (<i>Caprifoliaceae</i>). <i>Frontiers in Plant Science</i> , 2019 , 10, 913	6.2	6
23	Improving Species Identification of Ancient Mammals Based on Next-Generation Sequencing Data. <i>Genes</i> , 2019 , 10,	4.2	2
22	Deciphering the Composition and Functional Profile of the Microbial Communities in Chinese Moutai Liquor Starters. <i>Frontiers in Microbiology</i> , 2019 , 10, 1540	5.7	29
21	African Orphan Crops Consortium (AOCC): status of developing genomic resources for African orphan crops. <i>Planta</i> , 2019 , 250, 989-1003	4.7	42
20	The Draft Genome of <i>Hariotina reticulata</i> (Sphaeropleales, Chlorophyta) Provides Insight into the Evolution of Scenedesmaceae. <i>Protist</i> , 2019 , 170, 125684	2.5	1
19	The Amount of RNA Editing Sites in Liverwort Organellar Genes Is Correlated with GC Content and Nuclear PPR Protein Diversity. <i>Genome Biology and Evolution</i> , 2019 , 11, 3233-3239	3.9	14
18	The Draft Genome of the Small, Spineless Green Alga <i>Desmodesmus costato-granulatus</i> (Sphaeropleales, Chlorophyta). <i>Protist</i> , 2019 , 170, 125697	2.5	4
17	Draft Genomes of Two Artocarpus Plants, Jackfruit (<i>A. heterophyllus</i>) and Breadfruit (<i>A. altilis</i>). <i>Genes</i> , 2019 , 11,	4.2	12
16	Mitochondrial genomes of the early land plant lineage liverworts (Marchantiophyta): conserved genome structure, and ongoing low frequency recombination. <i>BMC Genomics</i> , 2019 , 20, 953	4.5	12
15	The draft genomes of five agriculturally important African orphan crops. <i>GigaScience</i> , 2019 , 8,	7.6	68
14	Establishment of a <i>Macaca fascicularis</i> gut microbiome gene catalog and comparison with the human, pig, and mouse gut microbiomes. <i>GigaScience</i> , 2018 , 7,	7.6	27

13	Announcing the Genome Atlas of Bamboo and Rattan (GABR) project: promoting research in evolution and in economically and ecologically beneficial plants. <i>GigaScience</i> , 2017 , 6, 1-7	7.6	22
12	Thioredoxin-interacting protein regulates lipid metabolism via Akt/mTOR pathway in diabetic kidney disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 79, 1-13	5.6	25
11	Generation of outbred Ace2 knockout mice by RNA transfection of TALENs displaying colitis reminiscent pathophysiology and inflammation. <i>Transgenic Research</i> , 2015 , 24, 433-46	3.3	13
10	PIK3R1 negatively regulates the epithelial-mesenchymal transition and stem-like phenotype of renal cancer cells through the AKT/GSK3 β /CTNNB1 signaling pathway. <i>Scientific Reports</i> , 2015 , 5, 8997	4.9	46
9	Transgenic Wuzhishan minipigs designed to express a dominant-negative porcine growth hormone receptor display small stature and a perturbed insulin/IGF-1 pathway. <i>Transgenic Research</i> , 2015 , 24, 1029-42	3.3	8
8	Factors Determining the Efficiency of Porcine Somatic Cell Nuclear Transfer: Data Analysis with Over 200,000 Reconstructed Embryos. <i>Cellular Reprogramming</i> , 2015 , 17, 463-71	2.1	22
7	Development of transgenic minipigs with expression of antimorphic human cryptochrome 1. <i>PLoS ONE</i> , 2013 , 8, e76098	3.7	7
6	The sequence and analysis of a Chinese pig genome. <i>GigaScience</i> , 2012 , 1, 16	7.6	91
5	The draft genome assembly of the critically endangered <i>Nyssa yunnanensis</i> , a plant species with extremely small populations endemic to Yunnan Province, China. <i>GigaByte</i> , 2020, 1-12		1
4	Draft genome of the aquatic moss <i>Fontinalis antipyretica</i> (Fontinalaceae, Bryophyta). <i>GigaByte</i> , 2020, 1-9		4
3	Single-cell screening of SARS-CoV-2 target cells in pets, livestock, poultry and wildlife		10
2	Draft genome sequence of the <i>Solanum aethiopicum</i> provides insights into disease resistance, drought tolerance and the evolution of the genome		4
1	Comparative analyses of 3654 chloroplast genomes unraveled new insights into the evolutionary mechanism of green plants		2