

Huan Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9052551/publications.pdf>

Version: 2024-02-01

69
papers

2,074
citations

236925

25
h-index

289244

40
g-index

92
all docs

92
docs citations

92
times ranked

2752
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomes of early-diverging streptophyte algae shed light on plant terrestrialization. <i>Nature Plants</i> , 2020, 6, 95-106.	9.3	146
2	The sequence and analysis of a Chinese pig genome. <i>GigaScience</i> , 2012, 1, 16.	6.4	125
3	The draft genomes of five agriculturally important African orphan crops. <i>GigaScience</i> , 2019, 8, .	6.4	108
4	Deciphering the Composition and Functional Profile of the Microbial Communities in Chinese Moutai Liquor Starters. <i>Frontiers in Microbiology</i> , 2019, 10, 1540.	3.5	98
5	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.	7.8	84
6	The <i>Cycas</i> genome and the early evolution of seed plants. <i>Nature Plants</i> , 2022, 8, 389-401.	9.3	80
7	The Distribution of Tryptophan-Dependent Indole-3-Acetic Acid Synthesis Pathways in Bacteria Unraveled by Large-Scale Genomic Analysis. <i>Molecules</i> , 2019, 24, 1411.	3.8	76
8	African Orphan Crops Consortium (AOCC): status of developing genomic resources for African orphan crops. <i>Planta</i> , 2019, 250, 989-1003.	3.2	73
9	Genomic and transcriptomic analysis unveils population evolution and development of pesticide resistance in fall armyworm <i>Spodoptera frugiperda</i> . <i>Protein and Cell</i> , 2022, 13, 513-531.	11.0	72
10	Whole-genome resequencing of 445 <i>Lactuca</i> accessions reveals the domestication history of cultivated lettuce. <i>Nature Genetics</i> , 2021, 53, 752-760.	21.4	64
11	The preceding root system drives the composition and function of the rhizosphere microbiome. <i>Genome Biology</i> , 2020, 21, 89.	8.8	61
12	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.	3.3	56
13	Mycorrhizal symbiosis modulates the rhizosphere microbiota to promote rhizobia-legume symbiosis. <i>Molecular Plant</i> , 2021, 14, 503-516.	8.3	56
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, .	6.4	53
15	Plastid phylogenomic insights into the evolution of the Caprifoliaceae s.l. (Dipsacales). <i>Molecular Phylogenetics and Evolution</i> , 2020, 142, 106641.	2.7	52
16	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.	8.3	46
17	<i>Chloranthus</i> genome provides insights into the early diversification of angiosperms. <i>Nature Communications</i> , 2021, 12, 6930.	12.8	44
18	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.	6.4	42

#	ARTICLE	IF	CITATIONS
19	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, .	6.4	39
20	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, .	6.4	38
21	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.	2.8	35
22	Factors Determining the Efficiency of Porcine Somatic Cell Nuclear Transfer: Data Analysis with Over 200,000 Reconstructed Embryos. <i>Cellular Reprogramming</i> , 2015, 17, 463-471.	0.9	32
23	The genome of <i>Magnolia biondii</i> Pamp. provides insights into the evolution of Magnoliales and biosynthesis of terpenoids. <i>Horticulture Research</i> , 2021, 8, 38.	6.3	32
24	Single cell atlas for 11 non-model mammals, reptiles and birds. <i>Nature Communications</i> , 2021, 12, 7083.	12.8	32
25	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, 3663-3676.	2.5	30
26	Draft Genomes of Two <i>Artocarpus</i> Plants, Jackfruit (<i>A. heterophyllus</i>) and Breadfruit (<i>A. altilis</i>). <i>Genes</i> , 2020, 11, 27.	2.4	30
27	A chromosome-level genome assembly of rugged rose (<i>Rosa rugosa</i>) provides insights into its evolution, ecology, and floral characteristics. <i>Horticulture Research</i> , 2021, 8, 141.	6.3	29
28	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.	2.5	27
29	Deciphering the Microbial Taxonomy and Functionality of Two Diverse Mangrove Ecosystems and Their Potential Abilities To Produce Bioactive Compounds. <i>MSystems</i> , 2020, 5, .	3.8	23
30	Genome-wide analyses across Viridiplantae reveal the origin and diversification of small RNA pathway-related genes. <i>Communications Biology</i> , 2021, 4, 412.	4.4	22
31	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.	2.8	21
32	The chromosome-scale genomes of <i>Dipterocarpus turbinatus</i> and <i>Hopea hainanensis</i> (Dipterocarpaceae) provide insights into fragrant oleoresin biosynthesis and hardwood formation. <i>Plant Biotechnology Journal</i> , 2022, 20, 538-553.	8.3	21
33	Genomes shed light on the evolution of <i>Begonia</i> , a mega-diverse genus. <i>New Phytologist</i> , 2022, 234, 295-310.	7.3	18
34	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.	3.5	17
35	Dissecting the genome of star fruit (<i>Averrhoa carambola</i> L.). <i>Horticulture Research</i> , 2020, 7, 94.	6.3	16
36	Generation of outbred Ace2 knockout mice by RNA transfection of TALENs displaying colitis reminiscent pathophysiology and inflammation. <i>Transgenic Research</i> , 2015, 24, 433-446.	2.4	14

#	ARTICLE	IF	CITATIONS
37	Molecular evidence for origin, diversification and ancient gene duplication of plant subtilases (SBTs). <i>Scientific Reports</i> , 2019, 9, 12485.	3.3	14
38	An Indo-Pacific Humpback Dolphin Genome Reveals Insights into Chromosome Evolution and the Demography of a Vulnerable Species. <i>IScience</i> , 2020, 23, 101640.	4.1	14
39	Genome of <i>Hippophae rhamnoides</i> provides insights into a conserved molecular mechanism in actinorhizal and rhizobial symbioses. <i>New Phytologist</i> , 2022, 235, 276-291.	7.3	14
40	Chromosome-scale genomes provide new insights into subspecies divergence and evolutionary characteristics of the giant panda. <i>Science Bulletin</i> , 2021, 66, 2002-2013.	9.0	13
41	VThunter: a database for single-cell screening of virus target cells in the animal kingdom. <i>Nucleic Acids Research</i> , 2022, 50, D934-D942.	14.5	13
42	Phylogeographic Analysis and Genetic Structure of an Endemic Sino-Japanese Disjunctive Genus <i>Diabelia</i> (Caprifoliaceae). <i>Frontiers in Plant Science</i> , 2019, 10, 913.	3.6	12
43	Draft genome of the aquatic moss <i>Fontinalis antipyretica</i> (Fontinalaceae, Bryophyta). <i>GigaByte</i> , 0, 2020, 1-9.	0.0	12
44	The <i>Clausena lansium</i> (Wampee) genome reveal new insights into the carbazole alkaloids biosynthesis pathway. <i>Genomics</i> , 2021, 113, 3696-3704.	2.9	11
45	Chromosome-Level Genome Assemblies of Two Hypnales (Mosses) Reveal High Intergeneric Synteny. <i>Genome Biology and Evolution</i> , 2022, 14, .	2.5	11
46	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, 1029-1042.	2.4	10
47	Phylogenomics Provides New Insights into Gains and Losses of Selenoproteins among Archaeplastida. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3020.	4.1	10
48	Development of Transgenic Minipigs with Expression of Antimorphic Human Cryptochrome 1. <i>PLoS ONE</i> , 2013, 8, e76098.	2.5	9
49	Improving Species Identification of Ancient Mammals Based on Next-Generation Sequencing Data. <i>Genes</i> , 2019, 10, 509.	2.4	8
50	Are fungi-derived genomic regions related to antagonism towards fungi in mosses?. <i>New Phytologist</i> , 2020, 228, 1169-1175.	7.3	8
51	Comparative transcriptomic analyses of chlorogenic acid and luteolosides biosynthesis pathways at different flowering stages of diploid and tetraploid <i>Lonicera japonica</i> . <i>PeerJ</i> , 2020, 8, e8690.	2.0	8
52	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.	3.6	8
53	Chromosome-scale assembly and whole-genome sequencing of 266 giant panda roundworms provide insights into their evolution, adaptation and potential drug targets. <i>Molecular Ecology Resources</i> , 2022, 22, 768-785.	4.8	6
54	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.	1.9	6

#	ARTICLE	IF	CITATIONS
55	The complete plastid genomes of two Fabaceae orphan crops from Africa. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 93-94.	0.4	5
56	The Draft Genome of the Small, Spineless Green Alga <i>Desmodesmus costato-granulatus</i> (Sphaeropleales, Chlorophyta). <i>Protist</i> , 2019, 170, 125697.	1.5	4
57	The Draft Genome of the Centric Diatom <i>Conticribra weissflogii</i> (Coscinodiscophyceae, Ochrophyta). <i>Protist</i> , 2021, 172, 125845.	1.5	4
58	Fugacium Spliced Leader Genes Identified from Stranded RNA-Seq Datasets. <i>Microorganisms</i> , 2019, 7, 171.	3.6	3
59	The draft genome of mandrill (<i>Mandrillus sphinx</i>): An Old World monkey. <i>Scientific Reports</i> , 2020, 10, 2431.	3.3	3
60	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> , 0, 2020, 1-12.	0.0	3
61	Chromosome-Scale Genome of Masked Palm Civet (<i>Paguma larvata</i>) Shows Genomic Signatures of Its Biological Characteristics and Evolution. <i>Frontiers in Genetics</i> , 2021, 12, 819493.	2.3	3
62	The Draft Genome of <i>Coelastrum proboscideum</i> (Sphaeropleales, Chlorophyta). <i>Protist</i> , 2020, 171, 125758.	1.5	2
63	Targeted enrichment of novel chloroplast-based probes reveals a large-scale phylogeny of 412 bamboos. <i>BMC Plant Biology</i> , 2021, 21, 76.	3.6	2
64	Chromosome-level genome of <i>Pedinomonas minor</i> (Chlorophyta) unveils adaptations to abiotic stress in a rapidly fluctuating environment. <i>New Phytologist</i> , 2022, , .	7.3	2
65	Genome-Wide Analysis of the MADS-Box Gene Family in Holoparasitic Plants (Balanophora) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	3.6	2
66	The Draft Genome of <i>Hariotina reticulata</i> (Sphaeropleales, Chlorophyta) Provides Insight into the Evolution of Scenedesmaceae. <i>Protist</i> , 2019, 170, 125684.	1.5	1
67	Viral receptor profiles of masked palm civet revealed by single-cell transcriptomics. <i>Journal of Genetics and Genomics</i> , 2022, , .	3.9	1
68	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.	2.1	0
69	Large Differentiation of Extremely Threatened Chinese Pangolins Provide New Genomic Cues for Their Conservation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0