

# 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  | 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        |
| 2  | 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         |
| 3  | VHunter: 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        |
| 4  | 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        |
| 5  | 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        |
| 6  | Chromosome-Level Genome Assemblies of Two Hypnales (Mosses) Reveal High Intergeneric Synteny. <i>Genome Biology and Evolution</i> , 2022, 14, .   | 2.5  | 11        |
| 7  | 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        |
| 8  | The <i>Cycas</i> genome and the early evolution of seed plants. <i>Nature Plants</i> , 2022, 8, 389-401.  | 9.3  | 80        |
| 9  | 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         |
| 10 | Viral receptor profiles of masked palm civet revealed by single-cell transcriptomics. <i>Journal of Genetics and Genomics</i> , 2022, , .   | 3.9  | 1         |
| 11 | 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         |
| 12 | Mycorrhizal symbiosis modulates the rhizosphere microbiota to promote rhizobia-legume symbiosis. <i>Molecular Plant</i> , 2021, 14, 503-516.  | 8.3  | 56        |
| 13 | 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         |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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        |
| 22 | 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         |
| 23 | <i>Chloranthus</i> genome provides insights into the early diversification of angiosperms. <i>Nature Communications</i> , 2021, 12, 6930.   | 12.8 | 44        |
| 24 | The Draft Genome of the Centric Diatom <i>Conticribra weissflogii</i> (Coscinodiscophyceae, Ochrophyta). <i>Protist</i> , 2021, 172, 125845.  | 1.5  | 4         |
| 25 | 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         |
| 26 | Single cell atlas for 11 non-model mammals, reptiles and birds. <i>Nature Communications</i> , 2021, 12, 7083.  | 12.8 | 32        |
| 27 | Plastid phylogenomic insights into the evolution of the <i>Caprifoliaceae</i> s.l. (Dipsacales). <i>Molecular Phylogenetics and Evolution</i> , 2020, 142, 106641.  | 2.7  | 52        |
| 28 | Genomes of early-diverging streptophyte algae shed light on plant terrestrialization. <i>Nature Plants</i> , 2020, 6, 95-106.   | 9.3  | 146       |
| 29 | 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        |
| 30 | 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        |
| 31 | 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         |
| 32 | The Draft Genome of <i>Coelastrum proboscideum</i> (Sphaeropleales, Chlorophyta). <i>Protist</i> , 2020, 171, 125758.   | 1.5  | 2         |
| 33 | 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        |
| 34 | 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        |
| 35 | Dissecting the genome of star fruit ( <i>Averrhoa carambola</i> L.). <i>Horticulture Research</i> , 2020, 7, 94.  | 6.3  | 16        |
| 36 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Are fungi-derived genomic regions related to antagonism towards fungi in mosses?. <i>New Phytologist</i> , 2020, 228, 1169-1175.   | 7.3 | 8         |
| 38 | The draft genome of mandrill ( <i>Mandrillus sphinx</i> ): An Old World monkey. <i>Scientific Reports</i> , 2020, 10, 2431.  | 3.3 | 3         |
| 39 | The preceding root system drives the composition and function of the rhizosphere microbiome. <i>Genome Biology</i> , 2020, 21, 89.   | 8.8 | 61        |
| 40 | 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         |
| 41 | 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        |
| 42 | Improving Species Identification of Ancient Mammals Based on Next-Generation Sequencing Data. <i>Genes</i> , 2019, 10, 509.  | 2.4 | 8         |
| 43 | 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        |
| 44 | African Orphan Crops Consortium (AOCC): status of developing genomic resources for African orphan crops. <i>Planta</i> , 2019, 250, 989-1003.  | 3.2 | 73        |
| 45 | 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         |
| 46 | 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        |
| 47 | 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         |
| 48 | Molecular evidence for origin, diversification and ancient gene duplication of plant subtilases (SBTs). <i>Scientific Reports</i> , 2019, 9, 12485.  | 3.3 | 14        |
| 49 | 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        |
| 50 | Molecular digitization of a botanical garden: high-depth whole-genome sequencing of 689 vascular plant species from the Ruli Botanical Garden. <i>GigaScience</i> , 2019, 8, .                                   | 6.4 | 39        |
| 51 | 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        |
| 52 | Fugacium Spliced Leader Genes Identified from Stranded RNA-Seq Datasets. <i>Microorganisms</i> , 2019, 7, 171.   | 3.6 | 3         |
| 53 | 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        |
| 54 | 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        |

| #  | 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 genomes of five agriculturally important African orphan crops. <i>GigaScience</i> , 2019, 8, .   | 6.4 | 108       |
| 57 | 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        |
| 58 | 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        |
| 59 | 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        |
| 60 | PIK3R1 negatively regulates the epithelial-mesenchymal transition and stem-like phenotype of renal cancer cells through the AKT/GSK3 $\beta$ /CTNNB1 signaling pathway. <i>Scientific Reports</i> , 2015, 5, 8997.   | 3.3 | 56        |
| 61 | 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        |
| 62 | 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        |
| 63 | Generation of outbred <i>Ace2</i> knockout mice by RNA transfection of TALENs displaying colitis reminiscent pathophysiology and inflammation. <i>Transgenic Research</i> , 2015, 24, 433-446.                       | 2.4 | 14        |
| 64 | Development of Transgenic Minipigs with Expression of Antimorphic Human Cryptochrome 1. <i>PLoS ONE</i> , 2013, 8, e76098.   | 2.5 | 9         |
| 65 | The sequence and analysis of a Chinese pig genome. <i>GigaScience</i> , 2012, 1, 16.   | 6.4 | 125       |
| 66 | Large Differentiation of Extremely Threatened Chinese Pangolins Provide New Genomic Cues for Their Conservation. <i>SSRN Electronic Journal</i> , 0, , .   | 0.4 | 0         |
| 67 | 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         |
| 68 | Draft genome of the aquatic moss <i>Fontinalis antipyretica</i> (Fontinalaceae, Bryophyta). <i>GigaByte</i> , 0, 2020, 1-9.  | 0.0 | 12        |
| 69 | Genome-Wide Analysis of the MADS-Box Gene Family in Holoparasitic Plants (Balanophora) Tj ETQq1 1 0.784314 rgBT /Overlçck 10 T 5   | 3.6 | 2         |