

# Yuan-Nian Jiao

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

5,985  
citations

257450

24  
h-index

243625

44  
g-index

47  
all docs

47  
docs citations

47  
times ranked

7667  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ancestral polyploidy in seed plants and angiosperms. <i>Nature</i> , 2011, 473, 97-100.	27.8	1,862
2	The <i>Amborella</i> Genome and the Evolution of Flowering Plants. <i>Science</i> , 2013, 342, 1241089.	12.6	743
3	A genome triplication associated with early diversification of the core eudicots. <i>Genome Biology</i> , 2012, 13, R3.	9.6	389
4	Genome of the long-living sacred lotus ( <i>Nelumbo nucifera</i> Gaertn.). <i>Genome Biology</i> , 2013, 14, R41.	9.6	329
5	Evolution of the H9N2 influenza genotype that facilitated the genesis of the novel H7N9 virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 548-553.	7.1	287
6	The water lily genome and the early evolution of flowering plants. <i>Nature</i> , 2020, 577, 79-84.	27.8	238
7	Integrated Syntenic and Phylogenomic Analyses Reveal an Ancient Genome Duplication in Monocots. <i>Plant Cell</i> , 2014, 26, 2792-2802.	6.6	220
8	The hornwort genome and early land plant evolution. <i>Nature Plants</i> , 2020, 6, 107-118.	9.3	203
9	Genetic Contribution of Paleopolyploidy to Adaptive Evolution in Angiosperms. <i>Molecular Plant</i> , 2020, 13, 59-71.	8.3	178
10	The <i>Aegilops tauschii</i> genome reveals multiple impacts of transposons. <i>Nature Plants</i> , 2017, 3, 946-955.	9.3	164
11	Clinical cancer genomic profiling by three-platform sequencing of whole genome, whole exome and transcriptome. <i>Nature Communications</i> , 2018, 9, 3962.	12.8	142
12	A Collinearity-Incorporating Homology Inference Strategy for Connecting Emerging Assemblies in the Triticeae Tribe as a Pilot Practice in the Plant Pangenomic Era. <i>Molecular Plant</i> , 2020, 13, 1694-1708.	8.3	126
13	Genome Sequence of <i>Striga asiatica</i> Provides Insight into the Evolution of Plant Parasitism. <i>Current Biology</i> , 2019, 29, 3041-3052.e4.	3.9	109
14	Polyploidy-associated genome modifications during land plant evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130355.	4.0	90
15	The Genome of a Southern Hemisphere Seagrass Species ( <i>Zostera muelleri</i> ). <i>Plant Physiology</i> , 2016, 172, 272-283.	4.8	88
16	The <i>Cycas</i> genome and the early evolution of seed plants. <i>Nature Plants</i> , 2022, 8, 389-401.	9.3	80
17	A TRIM insertion in the promoter of <i>Ms2</i> causes male sterility in wheat. <i>Nature Communications</i> , 2017, 8, 15407.	12.8	79
18	The Chromosome-Based Rubber Tree Genome Provides New Insights into Spurge Genome Evolution and Rubber Biosynthesis. <i>Molecular Plant</i> , 2020, 13, 336-350.	8.3	73

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19	The ancient wave of polyploidization events in flowering plants and their facilitated adaptation to environmental stress. <i>Plant, Cell and Environment</i> , 2020, 43, 2847-2856.	5.7	71
20	Evolutionary strategies drive a balance of the interacting gene products for the <i>CBL</i> and <i>CIPK</i> gene families. <i>New Phytologist</i> , 2020, 226, 1506-1516.	7.3	52
21	Insights into angiosperm evolution, floral development and chemical biosynthesis from the <i>Aristolochia fimbriata</i> genome. <i>Nature Plants</i> , 2021, 7, 1239-1253.	9.3	51
22	Evolution of a horizontally acquired legume gene, albumin 1, in the parasitic plant <i>Phelipanche aegyptiaca</i> and related species. <i>BMC Evolutionary Biology</i> , 2013, 13, 48.	3.2	39
23	Double the Genome, Double the Fun: Genome Duplications in Angiosperms. <i>Molecular Plant</i> , 2018, 11, 357-358.	8.3	33
24	Gene duplication and genetic innovation in cereal genomes. <i>Genome Research</i> , 2019, 29, 261-269.	5.5	29
25	A physical map for the <i>Amborella trichopoda</i> genome sheds light on the evolution of angiosperm genome structure. <i>Genome Biology</i> , 2011, 12, R48.	9.6	28
26	Multi-Phase US Spread and Habitat Switching of a Post-Columbian Invasive, <i>Sorghum halepense</i> . <i>PLoS ONE</i> , 2016, 11, e0164584.	2.5	28
27	The <i>Chrysanthemum lavandulifolium</i> genome and the molecular mechanism underlying diverse capitulum types. <i>Horticulture Research</i> , 2022, 9, .	6.3	24
28	The Tetracentron genome provides insight into the early evolution of eudicots and the formation of vessel elements. <i>Genome Biology</i> , 2020, 21, 291.	8.8	23
29	Characterization of the basal angiosperm <i>Aristolochia fimbriata</i> : a potential experimental system for genetic studies. <i>BMC Plant Biology</i> , 2013, 13, 13.	3.6	22
30	A chromosome-scale reference genome of <i>Aquilegia oxysepala</i> var. <i>kansuensis</i> . <i>Horticulture Research</i> , 2020, 7, 113.	6.3	20
31	Chromosome-level and haplotype-resolved genome provides insight into the tetraploid hybrid origin of patchouli. <i>Nature Communications</i> , 2022, 13, .	12.8	20
32	Genome-wide mapping of DNase I hypersensitive sites reveals chromatin accessibility changes in <i>Arabidopsis</i> euchromatin and heterochromatin regions under extended darkness. <i>Scientific Reports</i> , 2017, 7, 4093.	3.3	19
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	A recent burst of gene duplications in Triticeae. <i>Plant Communications</i> , 2022, 3, 100268.	7.7	18
35	Diversity, phylogeny, and adaptation of bryophytes: insights from genomic and transcriptomic data. <i>Journal of Experimental Botany</i> , 2022, 73, 4306-4322.	4.8	16
36	The <i>Physalis floridana</i> genome provides insights into the biochemical and morphological evolution of <i>Physalis</i> fruits. <i>Horticulture Research</i> , 2021, 8, 244.	6.3	15

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37	Generation of a large-scale genomic resource for functional and comparative genomics in <i>Liriodendron tulipifera</i> L. <i>Tree Genetics and Genomes</i> , 2011, 7, 941-954.	1.6	13
38	The <i>Gastrodia menghaiensis</i> (Orchidaceae) genome provides new insights of orchid mycorrhizal interactions. <i>BMC Plant Biology</i> , 2022, 22, 179.	3.6	13
39	Prehistory of the Angiosperms. <i>Advances in Botanical Research</i> , 2014, , 223-245.	1.1	7
40	Whole-Genome Sequencing of <i>Acer catalpifolium</i> Reveals Evolutionary History of Endangered Species. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	7
41	WheatCENet: A Database for Comparative Co-Expression Networks Analysis of Allohexaploid Wheat and Its Progenitors. <i>Genomics, Proteomics and Bioinformatics</i> , 2023, 21, 324-336.	6.9	6
42	The Genome of Opium Poppy Reveals Evolutionary History of Morphinan Pathway. <i>Genomics, Proteomics and Bioinformatics</i> , 2018, 16, 460-462.	6.9	5
43	New insights into the dispersion history and adaptive evolution of taxon <i>Aegilops tauschii</i> in China. <i>Journal of Genetics and Genomics</i> , 2021, , .	3.9	3
44	Phylogenomic Analysis Reconstructed the Order Matoniales from Paleopolyploidy Veil. <i>Plants</i> , 2022, 11, 1529.	3.5	3
45	In silico identification and structure function analysis of a putative coclaurine N-methyltransferase from <i>Aristolochia fimbriata</i> . <i>Computational Biology and Chemistry</i> , 2020, 85, 107201.	2.3	1