Zhen-Xiang Xi

List of Publications by Year in Descending Order

42 papers	1,726 citations	21 h-index	41 g-index
51 ext. papers	2,418 ext. citations	7.2 avg, IF	4.89 L-index

#	Paper	IF	Citations
42	Diversity patterns and conservation gaps of Magnoliaceae species in China.. *Science of the Total Environment*, **2021**, 813, 152665	10.2	0
41	Genome evolution of the psammophyte for desert adaptation and further speciation. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
40	Deeply Altered Genome Architecture in the Endoparasitic Flowering Plant Sapria himalayana Griff. (Rafflesiaceae). *Current Biology*, **2021**, 31, 1002-1011.e9	6.3	17
39	Genome-wide (ChIP-seq) identification of target genes regulated by WRKY33 during submergence stress in Arabidopsis. *BMC Genomic Data*, **2021**, 22, 16	0	2
38	A chromosome-level Camptotheca acuminata genome assembly provides insights into the evolutionary origin of camptothecin biosynthesis. *Nature Communications*, **2021**, 12, 3531	17.4	4
37	Chromosome-level genome assembly of Sichuan pepper provides insights into apomixis, drought tolerance, and alkaloid biosynthesis. *Molecular Ecology Resources*, **2021**, 21, 2533-2545	8.4	2
36	Contrasting temporal variations in responses of leaf unfolding to daytime and nighttime warming. *Global Change Biology*, **2021**, 27, 5084-5093	11.4	0
35	The Conservation of Chloroplast Genome Structure and Improved Resolution of Infrafamilial Relationships of Crassulaceae. *Frontiers in Plant Science*, **2021**, 12, 631884	6.2	2
34	The Perfect Storm: Gene Tree Estimation Error, Incomplete Lineage Sorting, and Ancient Gene Flow Explain the Most Recalcitrant Ancient Angiosperm Clade, Malpighiales. *Systematic Biology*, **2021**, 70, 491-507	8.4	9
33	A chromosome-level genome assembly for the tertiary relict plant Tetracentron sinense oliv. (trochodendraceae). *Molecular Ecology Resources*, **2021**, 21, 1186-1199	8.4	1
32	Population Transcriptomics Reveals Gene Flow and Introgression Between Two Non-sister Alpine Gentians. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	1
31	A chromosome-scale reference genome of Lobularia maritima, an ornamental plant with high stress tolerance. *Horticulture Research*, **2020**, 7, 197	7.7	0
30	Phylotranscriptomics reveals extensive gene duplication in the subtribe Gentianinae (Gentianaceae). *Journal of Systematics and Evolution*, **2020**,	2.9	6
29	Water lily () genome reveals variable genomic signatures of ancient vascular cambium losses. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 8649-8656	11.5	15
28	Prickly waterlily and rigid hornwort genomes shed light on early angiosperm evolution. *Nature Plants*, **2020**, 6, 215-222	11.5	40
27	Machine learning predicts large scale declines in native plant phylogenetic diversity. *New Phytologist*, **2020**, 227, 1544-1556	9.8	9
26	Phylogenomics of the genus Populus reveals extensive interspecific gene flow and balancing selection. *New Phytologist*, **2020**, 225, 1370-1382	9.8	33

25	Widespread ancient whole-genome duplications in Malpighiales coincide with Eocene global climatic upheaval. *New Phytologist*, **2019**, 221, 565-576	9.8	43
24	Intergeneric Relationships within the Family Salicaceae based on Plastid Phylogenomics. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	10
23	A chromosome-level genome assembly of the Chinese tupelo Nyssa sinensis. *Scientific Data*, **2019**, 6, 282	8.2	4
22	The complete plastome of Nyssa yunnanensis, a critically endangered tree species. *Conservation Genetics Resources*, **2019**, 11, 313-315	0.8	1
21	Shifts in plant distributions in response to climate warming in a biodiversity hotspot, the Hengduan Mountains. *Journal of Biogeography*, **2018**, 45, 1334-1344	4.1	54
20	Taxon sampling effects on the quantification and comparison of community phylogenetic diversity. *Molecular Ecology*, **2018**, 27, 1296-1308	5.7	21
19	Ancient polymorphisms and divergence hitchhiking contribute to genomic islands of divergence within a poplar species complex. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E236-E243	11.5	59
18	Plastome phylogeny and lineage diversification of Salicaceae with focus on poplars and willows. *Ecology and Evolution*, **2018**, 8, 7817-7823	2.8	25
17	Unraveling the biogeographical history of Chrysobalanaceae from plastid genomes. *American Journal of Botany*, **2016**, 103, 1089-102	2.7	16
16	The Impact of Missing Data on Species Tree Estimation. *Molecular Biology and Evolution*, **2016**, 33, 838-60	8.3	82
15	Implementing and testing the multispecies coalescent model: A valuable paradigm for phylogenomics. *Molecular Phylogenetics and Evolution*, **2016**, 94, 447-62	4.1	230
14	Phylogeny of Elatinaceae and the Tropical Gondwanan Origin of the Centroplacaceae(Malpighiaceae, Elatinaceae) Clade. *PLoS ONE*, **2016**, 11, e0161881	3.7	11
13	Genes with minimal phylogenetic information are problematic for coalescent analyses when gene tree estimation is biased. *Molecular Phylogenetics and Evolution*, **2015**, 92, 63-71	4.1	69
12	Coalescent methods are robust to the simultaneous effects of long branches and incomplete lineage sorting. *Molecular Biology and Evolution*, **2015**, 32, 791-805	8.3	57
11	Estimating phylogenetic trees from genome-scale data. *Annals of the New York Academy of Sciences* , **2015**, 1360, 36-53	6.5	122
10	Horizontal gene transfer in parasitic plants. *Current Opinion in Plant Biology*, **2015**, 26, 14-9	9.9	52
9	Phylogeny of Gracilariaceae (Rhodophyta): evidence from plastid and mitochondrial nucleotide sequences. *Journal of Phycology*, **2015**, 51, 356-66	3	34
8	Coalescent versus concatenation methods and the placement of Amborella as sister to water lilies. *Systematic Biology*, **2014**, 63, 919-32	8.4	132

7	The establishment of Central American migratory corridors and the biogeographic origins of seasonally dry tropical forests in Mexico. *Frontiers in Genetics*, **2014**, 5, 433	4.5	24
6	Massive mitochondrial gene transfer in a parasitic flowering plant clade. *PLoS Genetics*, **2013**, 9, e1003265	6.5	86
5	Phylogenomics and coalescent analyses resolve extant seed plant relationships. *PLoS ONE*, **2013**, 8, e80870	3.7	58
4	Horizontal transfer of expressed genes in a parasitic flowering plant. *BMC Genomics*, **2012**, 13, 227	4.5	73
3	Phylogenomics and a posteriori data partitioning resolve the Cretaceous angiosperm radiation Malpighiales. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 17519-24	11.5	238
2	Phylogenetic Analysis of the Plastid Inverted Repeat for 244 Species: Insights into Deeper-Level Angiosperm Relationships from a Long, Slowly Evolving Sequence Region. *International Journal of Plant Sciences*, **2011**, 172, 541-558	2.6	74
1	WGDI: A user-friendly toolkit for evolutionary analyses of whole-genome duplications and ancestral karyotypes		6