

# Xin-Mao Zhou

## List of Publications by Year in descending order

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45  
papers

1,017  
citations

430442

18  
h-index

454577

30  
g-index

46  
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46  
docs citations

46  
times ranked

1034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of simultaneous saccharification and fermentation (SSF) from viscosity reducing of raw sweet potato for bioethanol production at laboratory, pilot and industrial scales. <i>Bioresource Technology</i> , 2011, 102, 4573-4579.	4.8	116
2	A large-scale phylogeny of the lycophyte genus <i>Selaginella</i> (Selaginellaceae: Lycopodiopsida) based on plastid and nuclear loci. <i>Cladistics</i> , 2016, 32, 360-389.	1.5	80
3	The Arabidopsis E3 ligase RIFP1 plays a negative role in abscisic acid signalling by facilitating ABA receptor RCAR3 degradation. <i>Plant, Cell and Environment</i> , 2016, 39, 571-582.	2.8	73
4	A classification of <i>Selaginella</i> (Selaginellaceae) based on molecular (chloroplast and nuclear), macromorphological, and spore features. <i>Taxon</i> , 2015, 64, 1117-1140.	0.4	68
5	CARK1 mediates ABA signaling by phosphorylation of ABA receptors. <i>Cell Discovery</i> , 2018, 4, 30.	3.1	50
6	A global plastid phylogeny of the brake fern genus <i>Pteris</i> (Pteridaceae) and related genera in the Pteridoideae. <i>Cladistics</i> , 2015, 31, 406-423.	1.5	49
7	ABA Receptor Subfamily III Enhances Abscisic Acid Sensitivity and Improves the Drought Tolerance of Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1938.	1.8	43
8	A well-sampled phylogenetic analysis of the polystichoid ferns (Dryopteridaceae) suggests a complex biogeographical history involving both boreotropical migrations and recent transoceanic dispersals. <i>Molecular Phylogenetics and Evolution</i> , 2016, 98, 324-336.	1.2	42
9	<i>AtRAE1</i> is involved in degradation of ABA receptor <i>RCAR1</i> and negatively regulates ABA signalling in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 231-244.	2.8	41
10	Expulsion of selenium/protein nanoparticles through vesicle-like structures by <i>Saccharomyces cerevisiae</i> under microaerophilic environment. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 3381-3386.	1.7	40
11	Arabidopsis ABA Receptor RCAR1/PYL9 Interacts with an R2R3-Type MYB Transcription Factor, AtMYB44. <i>International Journal of Molecular Sciences</i> , 2014, 15, 8473-8490.	1.8	40
12	Didymochlaenaceae: A new fern family of eupolypods I (Polypodiales). <i>Taxon</i> , 2015, 64, 27-38.	0.4	32
13	Circumscription and phylogeny of the fern family Tectariaceae based on plastid and nuclear markers, with the description of two new genera: <i>Draconopteris</i> and <i>Malaifilix</i> (Tectariaceae). <i>Taxon</i> , 2016, 65, 723-738.	0.4	32
14	CARK1 phosphorylates subfamily III members of ABA receptors. <i>Journal of Experimental Botany</i> , 2019, 70, 519-528.	2.4	27
15	A global plastid phylogeny of the fern genus <i>Asplenium</i> (Aspleniaceae). <i>Cladistics</i> , 2020, 36, 22-71.	1.5	25
16	A global phylogeny of the fern genus <i>Tectaria</i> (Tectariaceae: Polypodiales) based on plastid and nuclear markers identifies major evolutionary lineages and suggests repeated evolution of free venation from anastomosing venation. <i>Molecular Phylogenetics and Evolution</i> , 2017, 114, 295-333.	1.2	24
17	The inclusion of <i>Acrophorus</i> , <i>Diacalpe</i> , <i>Nothoperanema</i> , and <i>Peranema</i> in <i>Dryopteris</i> : The molecular phylogeny, systematics, and nomenclature of <i>Dryopteris</i> subgenus <i>Nothoperanema</i> (Dryopteridaceae). <i>Taxon</i> , 2012, 61, 1199-1216.	0.4	22
18	Using a multilocus phylogeny to test morphology-based classifications of <i>Polystichum</i> (Dryopteridaceae), one of the largest fern genera. <i>BMC Evolutionary Biology</i> , 2016, 16, 55.	3.2	22

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19	Over-expression of <i>AtEULS3</i> confers ABA sensitivity and drought tolerance in <i>Arabidopsis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 431-442.	1.2	21
20	A global plastid phylogeny uncovers extensive cryptic speciation in the fern genus <i>Hymenasplenium</i> (Aspleniaceae). <i>Molecular Phylogenetics and Evolution</i> , 2018, 127, 203-216.	1.2	16
21	Pteridryaceae: A new fern family of Polypodiaceae (Polypodiales) including taxonomic treatments. <i>Journal of Systematics and Evolution</i> , 2018, 56, 148-173.	1.6	14
22	Pollen morphology in <i>Rubus</i> (Rosaceae) and its taxonomic implications. <i>Plant Systematics and Evolution</i> , 2019, 305, 705-716.	0.3	13
23	Evolutionary relationships of the ancient fern lineage the adder's tongues (Ophioglossaceae) with description of <i>Sahashia</i> gen. nov. <i>Cladistics</i> , 2020, 36, 380-393.	1.5	13
24	Phylogeny of the fern subfamily Pteridoideae (Pteridaceae; Pteridophyta), with the description of a new genus: <i>Gastoniella</i> . <i>Molecular Phylogenetics and Evolution</i> , 2017, 109, 59-72.	1.2	12
25	A plastid phylogeny of the Old World fern genus <i>Leptochilus</i> (Polypodiaceae): Implications for cryptic speciation and progressive colonization from lower to higher latitudes. <i>Molecular Phylogenetics and Evolution</i> , 2019, 134, 311-322.	1.2	12
26	Plastome structure, evolution, and phylogeny of <i>Selaginella</i> . <i>Molecular Phylogenetics and Evolution</i> , 2022, 169, 107410.	1.2	11
27	A plastid phylogeny and character evolution of the Old World fern genus <i>Pyrrhosia</i> (Polypodiaceae) with the description of a new genus: <i>Hovenkampia</i> (Polypodiaceae). <i>Molecular Phylogenetics and Evolution</i> , 2017, 114, 271-294.	1.2	10
28	Phylogeny and classification of the tribe Lepisoreae (Polypodiaceae; pteridophyta) with the description of a new genus, <i>Ellipinema</i> gen. nov., segregated from <i>Lepisorus</i> . <i>Molecular Phylogenetics and Evolution</i> , 2020, 148, 106803.	1.2	9
29	A global phylogeny of Lycopodiaceae (Lycopodiales; lycophytes) with the description of a new genus, <i>Brownseya</i> , from Oceania. <i>Taxon</i> , 2022, 71, 25-51.	0.4	9
30	Nuclear and plastid phylogenies suggest ancient intersubgeneric hybridization in the fern genus <i>Pyrrhosia</i> (Polypodiaceae), with a classification of <i>Pyrrhosia</i> based on molecular and non-molecular evidence. <i>Taxon</i> , 2017, 66, 1065-1084.	0.4	6
31	A global plastid phylogeny of the cliff fern family Woodsiaceae and a two-genus classification of Woodsiaceae with the description of <i>Woodsiamatium</i> nothogen. nov.. <i>Taxon</i> , 2019, 68, 1149-1172.	0.4	6
32	A plastid phylogeny of the fern genus <i>Arachniodes</i> (Dryopteridaceae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 133, 214-235.	1.2	6
33	<i>Selaginella coriaceifolia</i> (sect. <i>Heterostachys</i> ; Selaginellaceae), a new lycophyte species from central Vietnam. <i>Phytotaxa</i> , 2020, 453, 121-129.	0.1	6
34	Phylogeny, character evolution, and systematics of the fern family Ophioglossaceae based on Sanger sequence data, plastomes, and morphology. <i>Molecular Phylogenetics and Evolution</i> , 2022, 173, 107512.	1.2	6
35	Phylogeny, biogeography, and character evolution in the fern family Hypodematiaceae. <i>Molecular Phylogenetics and Evolution</i> , 2022, 166, 107340.	1.2	5
36	<i>Dendrolycopodium verticale</i> comb. nov. (Lycopodiopsida: Lycopodiaceae) from China. <i>Phytotaxa</i> , 2017, 295, 199.	0.1	3

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37	Discovery of Interacting Proteins of ABA Receptor PYL5 via Covalent Chemical Capture. <i>ACS Chemical Biology</i> , 2019, 14, 2557-2563.	1.6	3
38	<i>Spinulum lioui</i> , a new species referred as to <i>Lycopodium neopungens</i> (Lycopodiopsida: Lycopodiaceae) in China. <i>Phytotaxa</i> , 2017, 307, 161.	0.1	2
39	<i>Pyrosia annamensis</i> comb. nov. (Polypodiaceae) from Southeast Asia and lectotypification of <i>Cyclophorus rhomboidalis</i> . <i>Phytotaxa</i> , 2017, 309, 90.	0.1	2
40	<i>Selaginella qingchengshanensis</i> (sect. <i>Heterostachys</i> ; Selaginellaceae), a new species from Sichuan, China. <i>Phytotaxa</i> , 2021, 522, 285-293.	0.1	2
41	<i>Athyrium aberrans</i> (Athyriaceae), a new species of the lady ferns from southeastern Xizang, China, based on morphological and molecular evidence. <i>Phytotaxa</i> , 2022, 533, 165-172.	0.1	2
42	The complete chloroplast genome of Endangered species <i>Aristolochia delavayi</i> Franch. (Aristolochiaceae) in Southwestern China. <i>Mitochondrial DNA Part B: Resources</i> , 2021, 6, 2339-2341.	0.2	1
43	(2617) Proposal to reject the name <i>Selaginella flagellifera</i> (Selaginellaceae). <i>Taxon</i> , 2018, 67, 641-642.	0.4	0
44	<i>Cheilanthes qiaojiaensis</i> (Cheilanthesoideae, Pteridaceae), a new fern species from Yunnan, China. <i>Phytotaxa</i> , 2021, 514, 238-246.	0.1	0
45	<i>Asplenium quangbinhense</i> sp. nov. and three new records of <i>Asplenium</i> (Aspleniaceae) from Vietnam. <i>Phytotaxa</i> , 2021, 521, 113-120.	0.1	0