Shu-Miaw Chaw

List of Publications by Year
in descending order

53 papers	3,759 citations	147801 31 h-index	168389 53 g-index
61 all docs	61 docs citations	61 times ranked	3775 citing authors

#	Article	IF	Citations
1	Dating the Monocot?Dicot Divergence and the Origin of Core Eudicots Using Whole Chloroplast Genomes. Journal of Molecular Evolution, 2004, 58, 424-441.	1.8	389
2	Dynamics and evolution of the inverted repeat-large single copy junctions in the chloroplast genomes of monocots. BMC Evolutionary Biology, 2008, 8, 36.	3.2	347
3	The Chloroplast Genome of Phalaenopsis aphrodite (Orchidaceae): Comparative Analysis of Evolutionary Rate with that of Grasses and Its Phylogenetic Implications. Molecular Biology and Evolution, 2006, 23, 279-291.	8.9	301
4	Comparative Chloroplast Genomics Reveals the Evolution of Pinaceae Genera and Subfamilies. Genome Biology and Evolution, 2010, 2, 504-517.	2.5	162
5	The Mitochondrial Genome of the Gymnosperm Cycas taitungensis Contains a Novel Family of Short Interspersed Elements, Bpu Sequences, and Abundant RNA Editing Sites. Molecular Biology and Evolution, 2008, 25, 603-615.	8.9	155
6	Loss of Different Inverted Repeat Copies from the Chloroplast Genomes of Pinaceae and Cupressophytes and Influence of Heterotachy on the Evaluation of Gymnosperm Phylogeny. Genome Biology and Evolution, 2011, 3, 1284-1295.	2.5	154
7	Vibrio ruber sp. nov., a red, facultatively anaerobic, marine bacterium isolated from sea water. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 479-484.	1.7	153
8	Evolution of reduced and compact chloroplast genomes (cpDNAs) in gnetophytes: Selection toward a lower-cost strategy. Molecular Phylogenetics and Evolution, 2009, 52, 115-124.	2.7	151
9	Stout camphor tree genome fills gaps in understanding of flowering plant genome evolution. Nature Plants, 2019, 5, 63-73.	9.3	124
10	The Earth BioGenome Project 2020: Starting the clock. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	124
11	Chloroplast Genome (cpDNA) of Cycas taitungensis and 56 cp Protein-Coding Genes of Gnetum parvifolium: Insights into cpDNA Evolution and Phylogeny of Extant Seed Plants. Molecular Biology and Evolution, 2007, 24, 1366-1379.	8.9	121
12	Comparative Chloroplast Genomes of Pinaceae: Insights into the Mechanism of Diversified Genomic Organizations. Genome Biology and Evolution, 2011, 3, 309-319.	2.5	114
13	Transfer of Chloroplast Genomic DNA to Mitochondrial Genome Occurred At Least 300 MYA. Molecular Biology and Evolution, 2007, 24, 2040-2048.	8.9	105
14	The Complete Chloroplast Genome of Ginkgo biloba Reveals the Mechanism of Inverted Repeat Contraction. Genome Biology and Evolution, 2012, 4, 374-381.	2.5	96
15	Highly rearranged and sizeâ€variable chloroplast genomes in conifers <scp>II</scp> clade (cupressophytes): evolution towards shorter intergenic spacers. Plant Biotechnology Journal, 2014, 12, 344-353.	8.3	87
16	Phylogeny of Taxaceae and Cephalotaxaceae Genera Inferred from Chloroplast matK Gene and Nuclear rDNA ITS Region. Molecular Phylogenetics and Evolution, 2000, 14, 353-365.	2.7	84
17	A phylogeny of cycads (Cycadales) inferred from chloroplast matK gene, trnK intron, and nuclear rDNA ITS region. Molecular Phylogenetics and Evolution, 2005, 37, 214-234.	2.7	84
18	The origin and underlying driving forces of the SARS-CoV-2 outbreak. Journal of Biomedical Science, 2020, 27, 73.	7.0	82

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19	Evolutionary Stasis in Cycad Plastomes and the First Case of Plastome GC-Biased Gene Conversion. Genome Biology and Evolution, 2015, 7, 2000-2009.	2.5	73
20	Patterns of plant invasions in China: Taxonomic, biogeographic, climatic approaches and anthropogenic effects. Biological Invasions, 2010, 12, 2179-2206.	2.4	67
21	Plant invasions in Taiwan: Insights from the flora of casual and naturalized alien species. Diversity and Distributions, 2004, 10, 349-362.	4.1	64
22	Chloroplast Phylogenomics Indicates that Ginkgo biloba Is Sister to Cycads. Genome Biology and Evolution, 2013, 5, 243-254.	2.5	59
23	Prevalence of isomeric plastomes and effectiveness of plastome super-barcodes in yews (Taxus) worldwide. Scientific Reports, 2019, 9, 2773.	3.3	54
24	Insights into the Existence of Isomeric Plastomes in Cupressoideae (Cupressaceae). Genome Biology and Evolution, 2017, 9, 1110-1119.	2.5	53
25	A novel species of thermoacidophilic archaeon, Sulfolobus yangmingensis sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 1809-1816.	1.7	48
26	The phylogenetic positions of the conifer genera Amentotaxus, Phyllocladus, and Nageia inferred from 18s rRNA sequences. Journal of Molecular Evolution, 1995, 41, 224-30.	1.8	46
27	Birth of Four Chimeric Plastid Gene Clusters in Japanese Umbrella Pine. Genome Biology and Evolution, 2016, 8, 1776-1784.	2.5	46
28	Multiple measures could alleviate long-branch attraction in phylogenomic reconstruction of Cupressoideae (Cupressaceae). Scientific Reports, 2017, 7, 41005.	3.3	45
29	Large-Scale Comparative Analysis Reveals the Mechanisms Driving Plastomic Compaction, Reduction, and Inversions in Conifers II (Cupressophytes). Genome Biology and Evolution, 2016, 8, evw278.	2.5	41
30	Plastome Evolution in the Sole Hemiparasitic Genus Laurel Dodder (Cassytha) and Insights into the Plastid Phylogenomics of Lauraceae. Genome Biology and Evolution, 2017, 9, 2604-2614.	2.5	36
31	Ancient Nuclear Plastid DNA in the Yew Family (Taxaceae). Genome Biology and Evolution, 2014, 6, 2111-2121.	2.5	35
32	Flower heating following anthesis and the evolution of gall midge pollination in Schisandraceae. American Journal of Botany, 2010, 97, 1220-1228.	1.7	25
33	Evolution of Gymnosperm Plastid Genomes. Advances in Botanical Research, 2018, 85, 195-222.	1.1	25
34	Plant Gene and Alternatively Spliced Variant Annotator. A Plant Genome Annotation Pipeline for Rice Gene and Alternatively Spliced Variant Identification with Cross-Species Expressed Sequence Tag Conservation from Seven Plant Species. Plant Physiology, 2007, 143, 1086-1095.	4.8	24
35	Editing site analysis in a gymnosperm mitochondrial genome reveals similarities with angiosperm mitochondrial genomes. Current Genetics, 2010, 56, 439-446.	1.7	19
36	Vessel elements present in the secondary xylem of Trochodendron and Tetracentron (Trochodendraceae). Flora: Morphology, Distribution, Functional Ecology of Plants, 2011, 206, 595-600.	1.2	16

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37	Two Independent Plastid accD Transfers to the Nuclear Genome of Gnetum and Other Insights on Acetyl-CoA Carboxylase Evolution in Gymnosperms. Genome Biology and Evolution, 2019, 11, 1691-1705.	2.5	15
38	Opposite Evolutionary Effects between Different Alternative Splicing Patterns. Molecular Biology and Evolution, 2007, 24, 1443-1446.	8.9	14
39	Mitochondrial genome of a flashwing demoiselle,Vestalis melaniafrom the Philippine Archipelago. Mitochondrial DNA, 2015, 26, 720-721.	0.6	14
40	Revisiting the Plastid Phylogenomics of Pinaceae with Two Complete Plastomes ofPseudolarixandTsuga. Genome Biology and Evolution, 2016, 8, 1804-1811.	2.5	14
41	Complete mitochondrial genome of an enigmatic dragonfly,Epiophlebia superstes(Odonata,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	13
42	Detecting Genetic Ancestry and Adaptation in the Taiwanese Han People. Molecular Biology and Evolution, 2021, 38, 4149-4165.	8.9	12
43	Tangy Scent in Toona sinensis (Meliaceae) Leaflets: Isolation, Functional Characterization, and Regulation of TsTPS1 and TsTPS2, Two Key Terpene Synthase Genes in the Biosynthesis of the Scent Compound. Current Pharmaceutical Biotechnology, 2012, 13, 2721-2732.	1.6	11
44	Functional diversification of the Tubby-like protein gene families (TULPs) during eukaryotic evolution. Biocatalysis and Agricultural Biotechnology, 2012, 1, 2-8.	3.1	11
45	Bacterial community of very wet and acidic subalpine forest and fire-induced grassland soils. Plant and Soil, 2010, 332, 417-427.	3.7	9
46	Enlarged and highly repetitive plastome of Lagarostrobos and plastid phylogenomics of Podocarpaceae. Molecular Phylogenetics and Evolution, 2019, 133, 24-32.	2.7	8
47	The Origin and Evolution of Plastid Genome Downsizing in Southern Hemispheric Cypresses (Cupressaceae). Frontiers in Plant Science, 2020, 11, 901.	3.6	6
48	Tight association of genome rearrangements with gene expression in conifer plastomes. BMC Plant Biology, 2021, 21, 33.	3.6	5
49	Reassessing Banana Phylogeny and Organelle Inheritance Modes Using Genome Skimming Data. Frontiers in Plant Science, 2021, 12, 713216.	3.6	5
50	The Complete Chloroplast Genome of Ginkgo biloba Reveals the Mechanism of Inverted Repeat Contraction. Genome Biology and Evolution, 2012, 4, 1201-1201.	2.5	3
51	The complete plastome sequence of Gnetum ula (Gnetales: Gnetaceae). Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 3721-3722.	0.7	3
52	Genome skimming and exploration of DNA barcodes for Taiwan endemic cypresses. Scientific Reports, 2020, 10, 20650.	3.3	2
53	Genetic Differentiation and Demographic Trajectory of the Insular Formosan and Oriiâ€™s Flying Foxes. Journal of Heredity, 2021, 112, 192-203.	2.4	1