

# Mao-Lun Weng

## List of Publications by Year in descending order

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15  
papers

1,245  
citations

687363

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#	ARTICLE	IF	CITATIONS
1	Reconstruction of the Ancestral Plastid Genome in Geraniaceae Reveals a Correlation between Genome Rearrangements, Repeats, and Nucleotide Substitution Rates. <i>Molecular Biology and Evolution</i> , 2014, 31, 645-659.	8.9	306
2	Mutation bias reflects natural selection in <i>Arabidopsis thaliana</i> . <i>Nature</i> , 2022, 602, 101-105.	27.8	206
3	Expansion of inverted repeat does not decrease substitution rates in <i>Pelargonium</i> plastid genomes. <i>New Phytologist</i> , 2017, 214, 842-851.	7.3	99
4	Fine-Grained Analysis of Spontaneous Mutation Spectrum and Frequency in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2019, 211, 703-714.	2.9	97
5	Variable presence of the inverted repeat and plastome stability in <i>Erodium</i> . <i>Annals of Botany</i> , 2016, 117, 1209-1220.	2.9	94
6	Plastid-Nuclear Interaction and Accelerated Coevolution in Plastid Ribosomal Genes in Geraniaceae. <i>Genome Biology and Evolution</i> , 2016, 8, 1824-1838.	2.5	68
7	Contrasting Patterns of Nucleotide Substitution Rates Provide Insight into Dynamic Evolution of Plastid and Mitochondrial Genomes of Geranium. <i>Genome Biology and Evolution</i> , 2017, 9, 1766-1780.	2.5	62
8	Phylogeny, rate variation, and genome size evolution of <i>Pelargonium</i> (Geraniaceae). <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 654-670.	2.7	55
9	Highly accelerated rates of genomic rearrangements and nucleotide substitutions in plastid genomes of <i>Passiflora</i> subgenus <i>Decaloba</i> . <i>Molecular Phylogenetics and Evolution</i> , 2019, 138, 53-64.	2.7	53
10	Coevolution between Nuclear-Encoded DNA Replication, Recombination, and Repair Genes and Plastid Genome Complexity. <i>Genome Biology and Evolution</i> , 2016, 8, 622-634.	2.5	51
11	Divergence of RNA polymerase $\beta$ subunits in angiosperm plastid genomes is mediated by genomic rearrangement. <i>Scientific Reports</i> , 2016, 6, 24595.	3.3	47
12	Plastome-Wide Nucleotide Substitution Rates Reveal Accelerated Rates in Papilionoideae and Correlations with Genome Features Across Legume Subfamilies. <i>Journal of Molecular Evolution</i> , 2017, 84, 187-203.	1.8	45
13	Plastome based phylogenetics and younger crown node age in <i>Pelargonium</i> . <i>Molecular Phylogenetics and Evolution</i> , 2019, 137, 33-43.	2.7	19
14	Fitness effects of mutation in natural populations of <i>Arabidopsis thaliana</i> reveal a complex influence of local adaptation. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 330-348.	2.3	14
15	Extensive variation in nucleotide substitution rate and gene/intron loss in mitochondrial genomes of <i>Pelargonium</i> . <i>Molecular Phylogenetics and Evolution</i> , 2021, 155, 106986.	2.7	12