

Dorothy A Steane

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6253339/publications.pdf>

Version: 2024-02-01

61
papers

4,244
citations

136740

32
h-index

123241

61
g-index

62
all docs

62
docs citations

62
times ranked

5009
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of <i>Eucalyptus grandis</i> . <i>Nature</i> , 2014, 510, 356-362.	13.7	725
2	Radiation of the Australian flora: what can comparisons of molecular phylogenies across multiple taxa tell us about the evolution of diversity in present-day communities?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 1551-1571.	1.8	348
3	Decline of a biome: evolution, contraction, fragmentation, extinction and invasion of the Australian mesic zone biota. <i>Journal of Biogeography</i> , 2011, 38, 1635-1656.	1.4	324
4	Climate-adjusted provenancing: a strategy for climate-resilient ecological restoration. <i>Frontiers in Ecology and Evolution</i> , 2015, 3, .	1.1	233
5	The potential of genomics for restoring ecosystems and biodiversity. <i>Nature Reviews Genetics</i> , 2019, 20, 615-628.	7.7	142
6	A geographic mosaic of genetic variation within a foundation tree species and its community-level consequences. <i>Ecology</i> , 2009, 90, 1762-1772.	1.5	125
7	Glacial refugia and reticulate evolution: the case of the Tasmanian eucalypts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 275-284.	1.8	118
8	Higher-level relationships among the eucalypts are resolved by ITS-sequence data. <i>Australian Systematic Botany</i> , 2002, 15, 49.	0.3	110
9	A high-density Diversity Arrays Technology (DArT) microarray for genome-wide genotyping in <i>Eucalyptus</i> . <i>Plant Methods</i> , 2010, 6, 16.	1.9	110
10	Plasticity of functional traits varies clinally along a rainfall gradient in <i>Eucalyptus tricarpa</i> . <i>Plant, Cell and Environment</i> , 2014, 37, 1440-1451.	2.8	106
11	Parallel evolution of dwarf ecotypes in the forest tree <i>Eucalyptus globulus</i> . <i>New Phytologist</i> , 2007, 175, 370-380.	3.5	105
12	Complete Nucleotide Sequence of the Chloroplast Genome from the Tasmanian Blue Gum, <i>Eucalyptus globulus</i> (Myrtaceae). <i>DNA Research</i> , 2005, 12, 215-220.	1.5	104
13	Population genetic analysis and phylogeny reconstruction in <i>Eucalyptus</i> (Myrtaceae) using high-throughput, genome-wide genotyping. <i>Molecular Phylogenetics and Evolution</i> , 2011, 59, 206-224.	1.2	102
14	Genome-wide scans detect adaptation to aridity in a widespread forest tree species. <i>Molecular Ecology</i> , 2014, 23, 2500-2513.	2.0	95
15	A comparative analysis of population structure of a forest tree, <i>Eucalyptus globulus</i> (Myrtaceae), using microsatellite markers and quantitative traits. <i>Tree Genetics and Genomes</i> , 2006, 2, 30-38.	0.6	93
16	Incongruence between chloroplast and species phylogenies in <i>Eucalyptus</i> subgenus <i>Monocalyptus</i> (Myrtaceae). <i>American Journal of Botany</i> , 1999, 86, 1038-1046.	0.8	81
17	Genomic Characterization of DArT Markers Based on High-Density Linkage Analysis and Physical Mapping to the <i>Eucalyptus</i> Genome. <i>PLoS ONE</i> , 2012, 7, e44684.	1.1	77
18	ITS Sequence Data Resolve Higher Level Relationships Among the Eucalypts. <i>Molecular Phylogenetics and Evolution</i> , 1999, 12, 215-223.	1.2	68

#	ARTICLE	IF	CITATIONS
19	Molecular systematics of <i>Clerodendrum</i> (Lamiaceae): ITS sequences and total evidence. <i>American Journal of Botany</i> , 1999, 86, 98-107.	0.8	63
20	Microsatellite and morphological analysis of <i>Eucalyptus globulus</i> populations. <i>Canadian Journal of Forest Research</i> , 2002, 32, 59-66.	0.8	58
21	An AFLP marker approach to lower-level systematics in <i>Eucalyptus</i> (Myrtaceae). <i>American Journal of Botany</i> , 2008, 95, 368-380.	0.8	58
22	Patterns of Reproductive Isolation in <i>Eucalyptus</i> : A Phylogenetic Perspective. <i>Molecular Biology and Evolution</i> , 2015, 32, 1833-1846.	3.5	56
23	Using matK sequence data to unravel the phylogeny of Casuarinaceae. <i>Molecular Phylogenetics and Evolution</i> , 2003, 28, 47-59.	1.2	55
24	Further disintegration and redefinition of <i>Clerodendrum</i> (Lamiaceae): Implications for the understanding of the evolution of an intriguing breeding strategy. <i>Taxon</i> , 2010, 59, 125-133.	0.4	54
25	The rare silver gum, <i>Eucalyptus cordata</i> , is leaving its trace in the organellar gene pool of <i>Eucalyptus globulus</i> . <i>Molecular Ecology</i> , 2004, 13, 3751-3762.	2.0	53
26	AMPLIFICATION OF THE POLYMORPHIC 5.8S rRNA GENE FROM SELECTED AUSTRALIAN GIGARTINALEAN SPECIES (RHODOPHYTA) BY POLYMERASE CHAIN REACTION1. <i>Journal of Phycology</i> , 1991, 27, 758-762.	1.0	52
27	Nuclear ribosomal pseudogenes resolve a corroborated monophyly of the eucalypt genus <i>Corymbia</i> despite misleading hypotheses at functional ITS paralogs. <i>Molecular Phylogenetics and Evolution</i> , 2007, 44, 752-764.	1.2	47
28	Phylogenetic relationships between <i>Clerodendrum</i> (Lamiaceae) and other Ajugoid genera inferred from nuclear and chloroplast DNA sequence data. <i>Molecular Phylogenetics and Evolution</i> , 2004, 32, 39-45.	1.2	38
29	The impact of intragenic recombination on phylogenetic reconstruction at the sectional level in <i>Eucalyptus</i> when using a single copy nuclear gene (cinnamoyl CoA reductase). <i>Molecular Phylogenetics and Evolution</i> , 2006, 39, 160-170.	1.2	37
30	Climate adaptation and ecological restoration in eucalypts. <i>Proceedings of the Royal Society of Victoria</i> , 2016, 128, 40.	0.3	37
31	Effects of domestication on genetic diversity in <i>Eucalyptus globulus</i> . <i>Forest Ecology and Management</i> , 2006, 234, 78-84.	1.4	36
32	Biodiversity Consequences of Genetic Variation in Bark Characteristics within a Foundation Tree Species. <i>Conservation Biology</i> , 2009, 23, 1146-1155.	2.4	36
33	Evidence for local climate adaptation in early-life traits of Tasmanian populations of <i>Eucalyptus pauciflora</i> . <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	0.6	35
34	Genome-wide scans reveal cryptic population structure in a dry-adapted eucalypt. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	0.6	34
35	Multiple evolutionary processes drive the patterns of genetic differentiation in a forest tree species complex. <i>Ecology and Evolution</i> , 2013, 3, 1-17.	0.8	33
36	Molecular genetic variation in a widespread forest tree species <i>Eucalyptus obliqua</i> (Myrtaceae) on the island of Tasmania. <i>Australian Journal of Botany</i> , 2011, 59, 226.	0.3	32

#	ARTICLE	IF	CITATIONS
37	Evidence for adaptation and acclimation in a widespread eucalypt of semi-arid Australia. <i>Biological Journal of the Linnean Society</i> , 2017, 121, 484-500.	0.7	32
38	High density, genome-wide markers and intra-specific replication yield an unprecedented phylogenetic reconstruction of a globally significant, speciose lineage of <i>Eucalyptus</i> . <i>Molecular Phylogenetics and Evolution</i> , 2016, 105, 63-85.	1.2	29
39	Bioclimatic transect networks: Powerful observatories of ecological change. <i>Ecology and Evolution</i> , 2017, 7, 4607-4619.	0.8	29
40	Genomic Scans across Three <i>Eucalypts</i> Suggest that Adaptation to Aridity is a Genome-Wide Phenomenon. <i>Genome Biology and Evolution</i> , 2017, 9, 253-265.	1.1	27
41	Novel Distances for Dollo Data. <i>Systematic Biology</i> , 2013, 62, 62-77.	2.7	25
42	Molecular genetic diversity and population structure in <i>Eucalyptus pauciflora</i> subsp. <i>pauciflora</i> (Myrtaceae) on the island of Tasmania. <i>Australian Journal of Botany</i> , 2014, 62, 175.	0.3	21
43	Population and phylogenetic analysis of the cinnamoyl coA reductase gene in <i>Eucalyptus globulus</i> (Myrtaceae). <i>Australian Journal of Botany</i> , 2005, 53, 827.	0.3	19
44	Microsatellite and cpDNA variation in island and mainland populations of a regionally rare eucalypt, <i>Eucalyptus perriniana</i> (Myrtaceae). <i>Australian Journal of Botany</i> , 2007, 55, 513.	0.3	19
45	Effect of forest fragmentation and altitude on the mating system of <i>Eucalyptus pauciflora</i> (Myrtaceae). <i>Australian Journal of Botany</i> , 2013, 61, 622.	0.3	16
46	A molecular phylogeny of the subtribe Pterostylidinae (Orchidaceae): resolving the taxonomic confusion. <i>Australian Systematic Botany</i> , 2010, 23, 248.	0.3	14
47	Phylogenetic Responses of Forest Trees to Global Change. <i>PLoS ONE</i> , 2013, 8, e60088.	1.1	14
48	Regarding the FÁword: The effects of data filtering on inferred genotypeÁenvironment associations. <i>Molecular Ecology Resources</i> , 2021, 21, 1460-1474.	2.2	14
49	Phylogeny and infrageneric classification of <i>Correa Andrews</i> (Rutaceae) on the basis of nuclear and chloroplast DNA. <i>Plant Systematics and Evolution</i> , 2010, 288, 127-138.	0.3	12
50	Microsatellite analysis of population structure in <i>Eucalyptus globulus</i> . <i>Genome</i> , 2017, 60, 770-777.	0.9	12
51	Metabolism of [³ H] Gibberellin A1 in a Range of Internode Length Mutants of <i>Pisum</i> . <i>Journal of Plant Physiology</i> , 1989, 135, 70-74.	1.6	11
52	Phylogenetic positioning of anomalous eucalypts by using ITS sequence data. <i>Australian Systematic Botany</i> , 2007, 20, 402.	0.3	11
53	Expansion of the rare <i>Eucalyptus risdonii</i> under climate change through hybridization with a closely related species despite hybrid inferiority. <i>Annals of Botany</i> , 2022, 129, 1-14.	1.4	11
54	Genomic divergence in sympatry indicates strong reproductive barriers and cryptic species within <i>Eucalyptus salubris</i> . <i>Ecology and Evolution</i> , 2021, 11, 5096-5110.	0.8	10

#	ARTICLE	IF	CITATIONS
55	An investigation into the ecological requirements and niche partitioning of Pterostylidinae (Orchidaceae) species. Australian Journal of Botany, 2010, 58, 335.	0.3	8
56	What does population structure analysis reveal about the <i>Pterostylis longifolia</i> complex (Orchidaceae)?. Ecology and Evolution, 2012, 2, 2631-2644.	0.8	7
57	Managing Australia's eucalypt gene pools: assessing the risk of exotic gene flow. Proceedings of the Royal Society of Victoria, 2016, 128, 25.	0.3	6
58	Leaf Economic and Hydraulic Traits Signal Disparate Climate Adaptation Patterns in Two Co-Occurring Woodland Eucalypts. Plants, 2022, 11, 1846.	1.6	6
59	Molecular dating and eucalypts: reply to Ladiges and Udovicic. Australian Systematic Botany, 2005, 18, 295.	0.3	5
60	Climate Adaptation, Drought Susceptibility, and Genomic-Informed Predictions of Future Climate Refugia for the Australian Forest Tree Eucalyptus globulus. Forests, 2022, 13, 575.	0.9	3
61	Origins, Diversity and Naturalization of Eucalyptus globulus (Myrtaceae) in California. Forests, 2021, 12, 1129.	0.9	2