Dorothy A Steane

List of Publications by Year
in descending order

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	Expansion of the rare<i>Eucalyptus risdonii</i>under climate change through hybridization with a closely related species despite hybrid inferiority. Annals of Botany, 2022, 129, 1-14.	1.4	11
2	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
3	Leaf Economic and Hydraulic Traits Signal Disparate Climate Adaptation Patterns in Two Co-Occurring Woodland Eucalypts. Plants, 2022, 11, 1846.	1.6	6
4	Regarding the Fâ€word: The effects of data filtering on inferred genotypeâ€environment associations. Molecular Ecology Resources, 2021, 21, 1460-1474.	2.2	14
5	Genomic divergence in sympatry indicates strong reproductive barriers and cryptic species within <i>Eucalyptus salubris</i>. Ecology and Evolution, 2021, 11, 5096-5110.	0.8	10
6	Origins, Diversity and Naturalization of Eucalyptus globulus (Myrtaceae) in California. Forests, 2021, 12, 1129.	0.9	2
7	The potential of genomics for restoring ecosystems and biodiversity. Nature Reviews Genetics, 2019, 20, 615-628.	7.7	142
8	Bioclimatic transect networks: Powerful observatories of ecological change. Ecology and Evolution, 2017, 7, 4607-4619.	0.8	29
9	Microsatellite analysis of population structure in Eucalyptus globulus. Genome, 2017, 60, 770-777.	0.9	12
10	Genomic Scans across Three Eucalypts Suggest that Adaptation to Aridity is a Genome-Wide Phenomenon. Genome Biology and Evolution, 2017, 9, 253-265.	1.1	27
11	Evidence for adaptation and acclimation in a widespread eucalypt of semi-arid Australia. Biological Journal of the Linnean Society, 2017, 121, 484-500.	0.7	32
12	Managing Australiaâ€™s eucalypt gene pools: assessing the risk of exotic gene flow. Proceedings of the Royal Society of Victoria, 2016, 128, 25.	0.3	6
13	High density, genome-wide markers and intra-specific replication yield an unprecedented phylogenetic reconstruction of a globally significant, speciose lineage of Eucalyptus. Molecular Phylogenetics and Evolution, 2016, 105, 63-85.	1.2	29
14	Climate adaptation and ecological restoration in eucalypts. Proceedings of the Royal Society of Victoria, 2016, 128, 40.	0.3	37
15	Climate-adjusted provenancing: a strategy for climate-resilient ecological restoration. Frontiers in Ecology and Evolution, 2015, 3, .	1.1	233
16	Evidence for local climate adaptation in early-life traits of Tasmanian populations of Eucalyptus pauciflora. Tree Genetics and Genomes, 2015, 11, 1.	0.6	35
17	Genome-wide scans reveal cryptic population structure in a dry-adapted eucalypt. Tree Genetics and Genomes, 2015, 11, 1.	0.6	34
18	Patterns of Reproductive Isolation in<i>Eucalyptusâ€"</i>A Phylogenetic Perspective. Molecular Biology and Evolution, 2015, 32, 1833-1846.	3.5	56

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19	Plasticity of functional traits varies clinally along a rainfall gradient in <i>Eucalyptus tricarpa</i>. Plant, Cell and Environment, 2014, 37, 1440-1451.	2.8	106
20	Genomeâ€wide scans detect adaptation to aridity in a widespread forest tree species. Molecular Ecology, 2014, 23, 2500-2513.	2.0	95
21	The genome of Eucalyptus grandis. Nature, 2014, 510, 356-362.	13.7	725
22	Molecular genetic diversity and population structure in Eucalyptus pauciflora subsp. pauciflora (Myrtaceae) on the island of Tasmania. Australian Journal of Botany, 2014, 62, 175.	0.3	21
23	Multiple evolutionary processes drive the patterns of genetic differentiation in a forest tree species complex. Ecology and Evolution, 2013, 3, 1-17.	0.8	33
24	Novel Distances for Dollo Data. Systematic Biology, 2013, 62, 62-77.	2.7	25
25	Effect of forest fragmentation and altitude on the mating system of Eucalyptus pauciflora (Myrtaceae). Australian Journal of Botany, 2013, 61, 622.	0.3	16
26	Phylogenetic Responses of Forest Trees to Global Change. PLoS ONE, 2013, 8, e60088.	1.1	14
27	What does population structure analysis reveal about the <i>Pterostylis longifolia</i> complex (Orchidaceae)?. Ecology and Evolution, 2012, 2, 2631-2644.	0.8	7
28	Genomic Characterization of DArT Markers Based on High-Density Linkage Analysis and Physical Mapping to the Eucalyptus Genome. PLoS ONE, 2012, 7, e44684.	1.1	77
29	Molecular genetic variation in a widespread forest tree species Eucalyptus obliqua (Myrtaceae) on the island of Tasmania. Australian Journal of Botany, 2011, 59, 226.	0.3	32
30	Decline of a biome: evolution, contraction, fragmentation, extinction and invasion of the Australian mesic zone biota. Journal of Biogeography, 2011, 38, 1635-1656.	1.4	324
31	Population genetic analysis and phylogeny reconstruction in Eucalyptus (Myrtaceae) using high-throughput, genome-wide genotyping. Molecular Phylogenetics and Evolution, 2011, 59, 206-224.	1.2	102
32	A molecular phylogeny of the subtribe Pterostylidinae (Orchidaceae): resolving the taxonomic confusion. Australian Systematic Botany, 2010, 23, 248.	0.3	14
33	An investigation into the ecological requirements and niche partitioning of Pterostylidinae (Orchidaceae) species. Australian Journal of Botany, 2010, 58, 335.	0.3	8
34	Phylogeny and infrageneric classification of Correa Andrews (Rutaceae) on the basis of nuclear and chloroplast DNA. Plant Systematics and Evolution, 2010, 288, 127-138.	0.3	12
35	Further disintegration and redefinition of <i>Clerodendrum</i> (Lamiaceae): Implications for the understanding of the evolution of an intriguing breeding strategy. Taxon, 2010, 59, 125-133.	0.4	54
36	A high-density Diversity Arrays Technology (DArT) microarray for genome-wide genotyping in Eucalyptus. Plant Methods, 2010, 6, 16.	1.9	110

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37	Biodiversity Consequences of Genetic Variation in Bark Characteristics within a Foundation Tree Species. Conservation Biology, 2009, 23, 1146-1155.	2.4	36
38	A geographic mosaic of genetic variation within a foundation tree species and its community-level consequences. Ecology, 2009, 90, 1762-1772.	1.5	125
39	An AFLP marker approach to lowerâ€level systematics in <i>Eucalyptus</i> (Myrtaceae). American Journal of Botany, 2008, 95, 368-380.	0.8	58
40	Microsatellite and cpDNA variation in island and mainland populations of a regionally rare eucalypt, Eucalyptus perriniana (Myrtaceae). Australian Journal of Botany, 2007, 55, 513.	0.3	19
41	Phylogenetic positioning of anomalous eucalypts by using ITS sequence data. Australian Systematic Botany, 2007, 20, 402.	0.3	11
42	Nuclear ribosomal pseudogenes resolve a corroborated monophyly of the eucalypt genus Corymbia despite misleading hypotheses at functional ITS paralogs. Molecular Phylogenetics and Evolution, 2007, 44, 752-764.	1.2	47
43	Parallel evolution of dwarf ecotypes in the forest tree Eucalyptus globulus. New Phytologist, 2007, 175, 370-380.	3.5	105
44	Effects of domestication on genetic diversity in Eucalyptus globulus. Forest Ecology and Management, 2006, 234, 78-84.	1.4	36
45	The impact of intragenic recombination on phylogenetic reconstruction at the sectional level in Eucalyptus when using a single copy nuclear gene (cinnamoyl CoA reductase). Molecular Phylogenetics and Evolution, 2006, 39, 160-170.	1.2	37
46	A comparative analysis of population structure of a forest tree, Eucalyptus globulus (Myrtaceae), using microsatellite markers and quantitative traits. Tree Genetics and Genomes, 2006, 2, 30-38.	0.6	93
47	Molecular dating and eucalypts: reply to Ladiges and Udovicic. Australian Systematic Botany, 2005, 18, 295.	0.3	5
48	Population and phylogenetic analysis of the cinnamoyl coA reductase gene in Eucalyptus globulus (Myrtaceae). Australian Journal of Botany, 2005, 53, 827.	0.3	19
49	Complete Nucleotide Sequence of the Chloroplast Genome from the Tasmanian Blue Gum, Eucalyptus globulus (Myrtaceae). DNA Research, 2005, 12, 215-220.	1.5	104
50	The rare silver gum, Eucalyptus cordata, is leaving its trace in the organellar gene pool of Eucalyptus globulus. Molecular Ecology, 2004, 13, 3751-3762.	2.0	53
51	Phylogenetic relationships between Clerodendrum (Lamiaceae) and other Ajugoid genera inferred from nuclear and chloroplast DNA sequence data. Molecular Phylogenetics and Evolution, 2004, 32, 39-45.	1.2	38
52	Radiation of the Australian flora: what can comparisons of molecular phylogenies across multiple taxa tell us about the evolution of diversity in presentâ€“day communities?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 1551-1571.	1.8	348
53	Glacial refugia and reticulate evolution: the case of the Tasmanian eucalypts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 275-284.	1.8	118
54	Using matK sequence data to unravel the phylogeny of Casuarinaceae. Molecular Phylogenetics and Evolution, 2003, 28, 47-59.	1.2	55

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55	Higher-level relationships among the eucalypts are resolved by ITS-sequence data. Australian Systematic Botany, 2002, 15, 49.	0.3	110
56	Microsatellite and morphological analysis ofEucalyptus globuluspopulations. Canadian Journal of Forest Research, 2002, 32, 59-66.	0.8	58
57	Molecular systematics of Clerodendrum (Lamiaceae): ITS sequences and total evidence. American Journal of Botany, 1999, 86, 98-107.	0.8	63
58	Incongruence between chloroplast and species phylogenies inEucalyptussubgenusMonocalyptus(Myrtaceae). American Journal of Botany, 1999, 86, 1038-1046.	0.8	81
59	ITS Sequence Data Resolve Higher Level Relationships Among the Eucalypts. Molecular Phylogenetics and Evolution, 1999, 12, 215-223.	1.2	68
60	AMPLIFICATION OF THE POLYMORPHIC 5.8S rRNA GENE FROM SELECTED AUSTRALIAN GIGARTINALEAN SPECIES (RHODOPHYTA) BY POLYMERASE CHAIN REACTION1. Journal of Phycology, 1991, 27, 758-762.	1.0	52
61	Metabolism of [3H] Gibberellin A1 in a Range of Internode Length Mutants of Pisum. Journal of Plant Physiology, 1989, 135, 70-74.	1.6	11