Kyle G Dexter

List of Publications by Year
in descending order

83 papers	6,003 citations	101543 36 h-index	79698 73 g-index
91 all docs	91 docs citations	91 times ranked	8768 citing authors

#	Article	IF	Citations
1	Hyperdominance in the Amazonian Tree Flora. Science, 2013, 342, 1243092.	12.6	873
2	A new subfamily classification of the Leguminosae based on a taxonomically comprehensive phylogeny: The Legume Phylogeny Working Group (LPWG). Taxon, 2017, 66, 44-77.	0.7	803
3	Plant diversity patterns in neotropical dry forests and their conservation implications. Science, 2016, 353, 1383-1387.	12.6	490
4	The evolution of antiherbivore defenses and their contribution to species coexistence in the tropical tree genusInga. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18073-18078.	7.1	277
5	Compositional response of Amazon forests to climate change. Global Change Biology, 2019, 25, 39-56.	9.5	265
6	Using functional traits and phylogenetic trees to examine the assembly of tropical tree communities. Journal of Ecology, 2012, 100, 690-701.	4.0	191
7	Using targeted enrichment of nuclear genes to increase phylogenetic resolution in the neotropical rain forest genus Inga (Leguminosae: Mimosoideae). Frontiers in Plant Science, 2015, 6, 710.	3.6	147
8	Seasonal drought limits tree species across the Neotropics. Ecography, 2017, 40, 618-629.	4.5	143
9	Coevolutionary arms race versus host defense chase in a tropical herbivoreâ€“plant system. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7499-E7505.	7.1	123
10	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. Scientific Reports, 2018, 8, 1003.	3.3	113
11	Phylogenetic density dependence and environmental filtering predict seedling mortality in a tropical forest. Ecology Letters, 2012, 15, 34-41.	6.4	106
12	Dispersal assembly of rain forest tree communities across the Amazon basin. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2645-2650.	7.1	103
13	Inserting Tropical Dry Forests Into the Discussion on Biome Transitions in the Tropics. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	101
14	Dissecting a biodiversity hotspot: The importance of environmentally marginal habitats in the Atlantic Forest Domain of South America. Diversity and Distributions, 2017, 23, 898-909.	4.1	99
15	The environmental triangle of the Cerrado Domain: Ecological factors driving shifts in tree species composition between forests and savannas. Journal of Ecology, 2018, 106, 2109-2120.	4.0	96
16	<scp>RAD</scp>seq dataset with 90% missing data fully resolves recent radiation of Petalidium (Acanthaceae) in the ultraâ€arid deserts of Namibia. Ecology and Evolution, 2017, 7, 7920-7936.	1.9	91
17	Effects of Quaternary climatic fluctuations on the distribution of Neotropical savanna tree species. Ecography, 2017, 40, 403-414.	4.5	83
18	Are all seeds equal? Spatially explicit comparisons of seed fall and sapling recruitment in a tropical forest. Ecology Letters, 2011, 14, 195-201.	6.4	82

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19	Using DNA to assess errors in tropical tree identifications: How often are ecologists wrong and when does it matter?. Ecological Monographs, 2010, 80, 267-286.	5.4	77
20	Environmental and historical controls of floristic composition across the South American Dry Diagonal. Journal of Biogeography, 2015, 42, 1566-1576.	3.0	75
21	Phylogenetic diversity of Amazonian tree communities. Diversity and Distributions, 2015, 21, 1295-1307.	4.1	72
22	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. Biological Conservation, 2021, 260, 108849.	4.1	71
23	Using tree species inventories to map biomes and assess their climatic overlaps in lowland tropical South America. Global Ecology and Biogeography, 2018, 27, 899-912.	5.8	69
24	Fast demographic traits promote high diversification rates of Amazonian trees. Ecology Letters, 2014, 17, 527-536.	6.4	63
25	Historical effects on beta diversity and community assembly in Amazonian trees. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7787-7792.	7.1	62
26	Adaptation and coordinated evolution of plant hydraulic traits. Ecology Letters, 2020, 23, 1599-1610.	6.4	58
27	Biased-corrected richness estimates for the Amazonian tree flora. Scientific Reports, 2020, 10, 10130.	3.3	53
28	Maximising Synergy among Tropical Plant Systematists, Ecologists, and Evolutionary Biologists. Trends in Ecology and Evolution, 2017, 32, 258-267.	8.7	52
29	Biogeographic distributions of neotropical trees reflect their directly measured drought tolerances. Scientific Reports, 2017, 7, 8334.	3.3	51
30	Freezing and water availability structure the evolutionary diversity of trees across the Americas. Science Advances, 2020, 6, eaaz5373.	10.3	50
31	Decomposing dispersal limitation: limits on fecundity or seed distribution?. Journal of Ecology, 2011, 99, 935-944.	4.0	49
32	The long-term ecology and evolution of marine reptiles in a Jurassic seaway. Nature Ecology and Evolution, 2018, 2, 1548-1555.	7.8	48
33	Delimiting floristic biogeographic districts in the Cerrado and assessing their conservation status. Biodiversity and Conservation, 2020, 29, 1477-1500.	2.6	44
34	Evolutionary heritage influences Amazon tree ecology. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161587.	2.6	43
35	Lack of floristic identity in campos rupestres â€"A hyperdiverse mosaic of rocky montane savannas in South America. Flora: Morphology, Distribution, Functional Ecology of Plants, 2018, 238, 24-31.	1.2	43
36	Origin and evolution of Chrysobalanaceae: insights into the evolution of plants in the Neotropics. Botanical Journal of the Linnean Society, 2013, 171, 19-37.	1.6	41

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37	Floristic evidence for alternative biome states in tropical Africa. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28183-28190.	7.1	41
38	Evolutionary diversity in tropical tree communities peaks at intermediate precipitation. Scientific Reports, 2020, 10, 1188.	3.3	41
39	Phylogenetic Structure of Foliar Spectral Traits in Tropical Forest Canopies. Remote Sensing, 2016, 8, 196.	4.0	40
40	Amazonian Whiteâ€sand Forests Show Strong Floristic Links with Surrounding Oligotrophic Habitats and the Guiana Shield. Biotropica, 2016, 48, 47-57.	1.6	34
41	Aboveground Carbon Storage and Its Links to Stand Structure, Tree Diversity and Floristic Composition in South-Eastern Tanzania. Ecosystems, 2018, 21, 740-754.	3.4	33
42	Evolutionary patterns of volatile terpene emissions across 202 tropical tree species. Ecology and Evolution, 2016, 6, 2854-2864.	1.9	32
43	Geographical variation in the evolutionary diversity of tree communities across southern South America. Journal of Biogeography, 2017, 44, 2365-2375.	3.0	32
44	Evolutionary diversity is associated with wood productivity in Amazonian forests. Nature Ecology and Evolution, 2019, 3, 1754-1761.	7.8	32
45	Evolutionary patterns of range size, abundance and species richness in Amazonian angiosperm trees. PeerJ, 2016, 4, e2402.	2.0	31
46	Rarity of monodominance in hyperdiverse Amazonian forests. Scientific Reports, 2019, 9, 13822.	3.3	28
47	Amazon tree dominance across forest strata. Nature Ecology and Evolution, 2021, 5, 757-767.	7.8	27
48	Ficus insipida subsp. insipida (Moraceae) reveals the role of ecology in the phylogeography of widespread Neotropical rain forest tree species. Journal of Biogeography, 2014, 41, 1697-1709.	3.0	25
49	Chemocoding as an identification tool where morphologicalâ€•and <scp>DNA</scp>â€based methods fall short: Inga as a case study. New Phytologist, 2018, 218, 847-858.	7.3	25
50	Shade alters savanna grass layer structure and function along a gradient of canopy cover. Journal of Vegetation Science, 2021, 32, .	2.2	22
51	On the floristic identity of Amazonian vegetation types. Biotropica, 2021, 53, 767-777.	1.6	21
52	Tracking of Host Defenses and Phylogeny During the Radiation of Neotropical Inga-Feeding Sawflies (Hymenoptera; Argidae). Frontiers in Plant Science, 2018, 9, 1237.	3.6	19
53	Structural diversity and tree density drives variation in the biodiversityâ€“ecosystem function relationship of woodlands andÂsavannas. New Phytologist, 2021, 232, 579-594.	7.3	16
54	The influence of dispersal on macroecological patterns of Lesser Antillean birds. Journal of Biogeography, 2010, 37, 2137-2147.	3.0	15

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55	Plant DNA barcodes and assessment of phylogenetic community structure of a tropical mixed dipterocarp forest in Brunei Darussalam (Borneo). PLoS ONE, 2017, 12, e0185861.	2.5	15
56	Differential effects of soil waterlogging on herbaceous and woody plant communities in a Neotropical savanna. Oecologia, 2019, 190, 471-483.	2.0	15
57	The evolutionary diversity of urban forests depends on their land-use history. Urban Ecosystems, 2020, 23, 631-643.	2.4	15
58	Evolutionary heritage shapes tree distributions along an Amazonâ€toâ€Andes elevation gradient. Biotropica, 2021, 53, 38-50.	1.6	15
59	The role of plant secondary metabolites in shaping regional and local plant community assembly. Journal of Ecology, 2022, 110, 34-45.	4.0	15
60	Genome Skimming Reveals Widespread Hybridization in a Neotropical Flowering Plant Radiation. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	15
61	Dissecting the difference in tree species richness between Africa and South America. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112336119.	7.1	14
62	Comparative phylogeography of five widespread tree species: Insights into the history of western Amazonia. Ecology and Evolution, 2019, 9, 7333-7345.	1.9	13
63	Is the Peltogyne gracilipes monodominant forest characterised by distinct soils?. Acta Oecologica, 2017, 85, 104-107.	1.1	12
64	Expanding tropical forest monitoring into Dry Forests: The DRYFLOR protocol for permanent plots. Plants People Planet, 2021, 3, 295-300.	3.3	12
65	Phylogenetic regionalization of tree assemblages reveals novel patterns of evolutionary affinities in the Atlantic Forest. Journal of Biogeography, 2021, 48, 798-810.	3.0	12
66	Sabal minor (Arecaceae): a New Northern Record of Palms in Eastern North America. Castanea, 2006, 71, 172-177.	0.1	11
67	The interaction of land-use history and tree species diversity in driving variation in the aboveground biomass of urban versus non-urban tropical forests. Ecological Indicators, 2021, 129, 107915.	6.3	11
68	Drought-induced mortality in Scots pine: opening the metabolic black box. Tree Physiology, 2019, 39, 1358-1370.	3.1	10
69	Phylogenomic Study of Monechma Reveals Two Divergent Plant Lineages of Ecological Importance in the African Savanna and Succulent Biomes. Diversity, 2020, 12, 237.	1.7	10
70	Diversity and Structure of an Arid Woodland in Southwest Angola, with Comparison to the Wider Miombo Ecoregion. Diversity, 2020, 12, 140.	1.7	10
71	A new species and a revised record in Namibian Barleria (Acanthaceae). Kew Bulletin, 2012, 67, 759-766.	0.9	8
72	Taxonomic Novelties in Namibian <I>Ruellia</I> (Acanthaceae). Systematic Botany, 2012, 37, 1023-1030.	0.5	8

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73	Evolutionary Diversity Peaks at Mid-Elevations Along an Amazon-to-Andes Elevation Gradient. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	8
74	Forest conservation: Remember Gran Chacoâ€"Response. Science, 2017, 355, 465-466.	12.6	7
75	Early growth in a congeneric pair of savanna and seasonal forest trees under different nitrogen and phosphorus availability. Theoretical and Experimental Plant Physiology, 2020, 32, 19-30.	2.4	7
76	Exploring the Concept of Lineage Diversity across North American Forests. Forests, 2019, 10, 520.	2.1	6
77	The strengths and weaknesses of species distribution models in biome delimitation. Global Ecology and Biogeography, 2020, 29, 1770-1784.	5.8	6
78	Ecological co-benefits from sea cucumber farming: Holothuria scabra increases growth rate of seagrass. Aquaculture Environment Interactions, 2021, 13, 301-310.	1.8	6
79	Climatic niche lability but growth form conservatism in the African woody flora. Ecology Letters, 2022, 25, 1164-1176.	6.4	5
80	Reproductive character displacement and potential underlying drivers in a speciesâ€rich and florally diverse lineage of tropical angiosperms (Ruellia ; Acanthaceae). Ecology and Evolution, 2021, 11, 4719-4730.	1.9	4
81	Inga pitmanii(Fabaceae), a New Species from Madre de Dios, Peru. Novon, 2011, 21, 322-325.	0.3	2
82	A State-of-the-Art Vegetation Map for Jordan: A New Tool for Conservation in a Biodiverse Country. Conservation, 2022, 2, 174-194.	1.7	2
83	Forest conservation: Humans' handprintsâ€"Response. Science, 2017, 355, 467-467.	12.6	0