C E Timothy Paine

List of Publications by Year
in descending order

53 papers	5,663 citations	159585 30 h-index	175258 52 g-index
53 all docs	53 docs citations	53 times ranked	9666 citing authors

#	Article	IF	Citations
1	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
2	Rare Species Support Vulnerable Functions in High-Diversity Ecosystems. PLoS Biology, 2013, 11, e1001569.	5.6	654
3	How to fit nonlinear plant growth models and calculate growth rates: an update for ecologists. Methods in Ecology and Evolution, 2012, 3, 245-256.	5.2	446
4	TREE RECRUITMENT IN AN EMPTY FOREST. Ecology, 2008, 89, 1757-1768.	3.2	372
5	Decoupled leaf and stem economics in rain forest trees. Ecology Letters, 2010, 13, 1338-1347.	6.4	312
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	Functional traits shape ontogenetic growth trajectories of rain forest tree species. Journal of Ecology, 2011, 99, 1431-1440.	4.0	180
8	Functional trait variation and sampling strategies in speciesâ€rich plant communities. Functional Ecology, 2010, 24, 208-216.	3.6	147
9	Environmental factors predict community functional composition in <scp>A</scp>mazonian forests. Journal of Ecology, 2014, 102, 145-155.	4.0	132
10	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. Journal of Ecology, 2015, 103, 978-989.	4.0	131
11	Functional traits of individual trees reveal ecological constraints on community assembly in tropical rain forests. Oikos, 2011, 120, 720-727.	2.7	124
12	Functional explanations for variation in bark thickness in tropical rain forest trees. Functional Ecology, 2010, 24, 1202-1210.	3.6	121
13	Gender differences in peer review outcomes and manuscript impact at six journals of ecology and evolution. Ecology and Evolution, 2019, 9, 3599-3619.	1.9	112
14	Citations increase with manuscript length, author number, and references cited in ecology journals. Ecology and Evolution, 2016, 6, 7717-7726.	1.9	110
15	Phylogenetic density dependence and environmental filtering predict seedling mortality in a tropical forest. Ecology Letters, 2012, 15, 34-41.	6.4	106
16	Contrasting taxonomic and functional responses of a tropical tree community to selective logging. Journal of Applied Ecology, 2012, 49, 861-870.	4.0	102
17	Weak Competition Among Tropical Tree Seedlings: Implications for Species Coexistence. Biotropica, 2008, 40, 432-440.	1.6	96
18	Convergence of bark investment according to fire and climate structures ecosystem vulnerability to future change. Ecology Letters, 2017, 20, 307-316.	6.4	90

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19	SEED PREDATION BY NEOTROPICAL RAIN FOREST MAMMALS INCREASES DIVERSITY IN SEEDLING RECRUITMENT. Ecology, 2007, 88, 3076-3087.	3.2	88
20	Quantifying the importance of local nicheâ€based and stochastic processes to tropical tree community assembly. Ecology, 2012, 93, 760-769.	3.2	86
21	Does pyrogenicity protect burning plants?. Ecology, 2010, 91, 3481-3486.	3.2	82
22	Patterns of authorship in ecology and evolution: First, last, and corresponding authorship vary with gender and geography. Ecology and Evolution, 2018, 8, 11492-11507.	1.9	76
23	Logging and soil nutrients independently explain plant trait expression in tropical forests. New Phytologist, 2019, 221, 1853-1865.	7.3	69
24	Diversity of the Volatile Organic Compounds Emitted by 55 Species of Tropical Trees: a Survey in French Guiana. Journal of Chemical Ecology, 2009, 35, 1349-1362.	1.8	67
25	Shifts in species and phylogenetic diversity between sapling and tree communities indicate negative density dependence in a lowland rain forest. Journal of Ecology, 2010, 98, 137-146.	4.0	64
26	Forest diversity promotes individual tree growth in central European forest stands. Journal of Applied Ecology, 2017, 54, 71-79.	4.0	51
27	Continental-scale patterns of Cecropia reproductive phenology: evidence from herbarium specimens. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2437-2445.	2.6	46
28	Thinner bark increases sensitivity of wetter Amazonian tropical forests to fire. Ecology Letters, 2020, 23, 99-106.	6.4	40
29	Quantifying the effects of seed arrival and environmental conditions on tropical seedling community structure. Oecologia, 2009, 160, 139-150.	2.0	35
30	Fuels and fires influence vegetation via aboveâ€and belowground pathways in a highâ€diversity plant community. Journal of Ecology, 2015, 103, 1009-1019.	4.0	35
31	Resolving wholeâ€plant economics from leaf, stem and root traits of 1467 Amazonian tree species. Oikos, 2021, 130, 1193-1208.	2.7	35
32	Within-individual variation of trunk and branch xylem density in tropical trees. American Journal of Botany, 2011, 98, 140-149.	1.7	33
33	Differences in volatile terpene composition between the bark and leaves of tropical tree species. Phytochemistry, 2012, 82, 81-88.	2.9	32
34	How mammalian predation contributes to tropical tree community structure. Ecology, 2016, 97, 3326-3336.	3.2	32
35	Evolutionary patterns of volatile terpene emissions across 202 tropical tree species. Ecology and Evolution, 2016, 6, 2854-2864.	1.9	32
36	Net Assimilation Rate Determines the Growth Rates of 14 Species of Subtropical Forest Trees. PLoS ONE, 2016, 11, e0150644.	2.5	28

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37	Amazon tree dominance across forest strata. Nature Ecology and Evolution, 2021, 5, 757-767.	7.8	27
38	Linking trait similarity to interspecific spatial associations in a moist tropical forest. Journal of Vegetation Science, 2015, 26, 1068-1079.	2.2	25
39	spacodiR: structuring of phylogenetic diversity in ecological communities. Bioinformatics, 2011, 27, 2437-2438.	4.1	24
40	Do the rich get richer? Varying effects of tree species identity and diversity on the richness of understory taxa. Ecology, 2016, 97, 2364-2373.	3.2	23
41	There's no place like home: seedling mortality contributes to the habitat specialisation of tree species across Amazonia. Ecology Letters, 2016, 19, 1256-1266.	6.4	23
42	Supplemental irrigation increases seedling performance and diversity in a tropical forest. Journal of Tropical Ecology, 2009, 25, 171-180.	1.1	21
43	Optimal strategies for sampling functional traits in speciesâ€rich forests. Functional Ecology, 2015, 29, 1325-1331.	3.6	19
44	Differential growth responses in seedlings of ten species of Dipterocarpaceae to experimental shading and defoliation. Journal of Tropical Ecology, 2012, 28, 377-384.	1.1	16
45	Towards the general mechanistic prediction of community dynamics. Functional Ecology, 2018, 32, 1681-1692.	3.6	15
46	Defective phagocyte association during infection of Galleria mellonella with Yersinia pseudotuberculosis is detrimental to both insect host and microbe. Virulence, 2021, 12, 638-653.	4.4	13
47	The effectiveness of journals as arbiters of scientific impact. Ecology and Evolution, 2018, 8, 9566-9585.	1.9	12
48	Natural selection and outbreeding depression suggest adaptive differentiation in the invasive range of a clonal plant. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181091.	2.6	12
49	Negative density dependence in the mortality and growth of tropical tree seedlings is strong, and primarily caused by fungal pathogens. Journal of Ecology, 2021, 109, 1909-1918.	4.0	11
50	Biogeographic history and habitat specialization shape floristic and phylogenetic composition across Amazonian forests. Ecological Monographs, 2021, 91, e01473.	5.4	10
51	Modeling mycorrhizal fungi dispersal by the mycophagous swamp wallaby (Wallabia bicolor). Ecology and Evolution, 2020, 10, 12920-12928.	1.9	9
52	Changes in tree community structure in defaunated forests are not driven only by dispersal limitation. Ecology and Evolution, 2020, 10, 3392-3401.	1.9	6
53	An exploratory case study of interactive simulation for teaching Ecology. , 2016, , .		2