

# C E Timothy Paine

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1775495/publications.pdf>

Version: 2024-02-01

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	Defective phagocyte association during infection of <i>Galleria mellonella</i> with <i>Yersinia pseudotuberculosis</i> is detrimental to both insect host and microbe. <i>Virulence</i> , 2021, 12, 638-653.	4.4	13
2	Negative density dependence in the mortality and growth of tropical tree seedlings is strong, and primarily caused by fungal pathogens. <i>Journal of Ecology</i> , 2021, 109, 1909-1918.	4.0	11
3	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021, 5, 757-767.	7.8	27
4	Resolving whole-plant economics from leaf, stem and root traits of 1467 Amazonian tree species. <i>Oikos</i> , 2021, 130, 1193-1208.	2.7	35
5	Biogeographic history and habitat specialization shape floristic and phylogenetic composition across Amazonian forests. <i>Ecological Monographs</i> , 2021, 91, e01473.	5.4	10
6	Thinner bark increases sensitivity of wetter Amazonian tropical forests to fire. <i>Ecology Letters</i> , 2020, 23, 99-106.	6.4	40
7	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
8	Modeling mycorrhizal fungi dispersal by the mycophagous swamp wallaby ( <i>Wallabia bicolor</i> ). <i>Ecology and Evolution</i> , 2020, 10, 12920-12928.	1.9	9
9	Changes in tree community structure in defaunated forests are not driven only by dispersal limitation. <i>Ecology and Evolution</i> , 2020, 10, 3392-3401.	1.9	6
10	Gender differences in peer review outcomes and manuscript impact at six journals of ecology and evolution. <i>Ecology and Evolution</i> , 2019, 9, 3599-3619.	1.9	112
11	Logging and soil nutrients independently explain plant trait expression in tropical forests. <i>New Phytologist</i> , 2019, 221, 1853-1865.	7.3	69
12	Towards the general mechanistic prediction of community dynamics. <i>Functional Ecology</i> , 2018, 32, 1681-1692.	3.6	15
13	Patterns of authorship in ecology and evolution: First, last, and corresponding authorship vary with gender and geography. <i>Ecology and Evolution</i> , 2018, 8, 11492-11507.	1.9	76
14	The effectiveness of journals as arbiters of scientific impact. <i>Ecology and Evolution</i> , 2018, 8, 9566-9585.	1.9	12
15	Natural selection and outbreeding depression suggest adaptive differentiation in the invasive range of a clonal plant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181091.	2.6	12
16	Convergence of bark investment according to fire and climate structures ecosystem vulnerability to future change. <i>Ecology Letters</i> , 2017, 20, 307-316.	6.4	90
17	Forest diversity promotes individual tree growth in central European forest stands. <i>Journal of Applied Ecology</i> , 2017, 54, 71-79.	4.0	51
18	Do the rich get richer? Varying effects of tree species identity and diversity on the richness of understory taxa. <i>Ecology</i> , 2016, 97, 2364-2373.	3.2	23

#	ARTICLE	IF	CITATIONS
19	An exploratory case study of interactive simulation for teaching Ecology. , 2016, , .		2
20	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
21	How mammalian predation contributes to tropical tree community structure. Ecology, 2016, 97, 3326-3336.	3.2	32
22	Citations increase with manuscript length, author number, and references cited in ecology journals. Ecology and Evolution, 2016, 6, 7717-7726.	1.9	110
23	Evolutionary patterns of volatile terpene emissions across 202 tropical tree species. Ecology and Evolution, 2016, 6, 2854-2864.	1.9	32
24	Net Assimilation Rate Determines the Growth Rates of 14 Species of Subtropical Forest Trees. PLoS ONE, 2016, 11, e0150644.	2.5	28
25	Linking trait similarity to interspecific spatial associations in a moist tropical forest. Journal of Vegetation Science, 2015, 26, 1068-1079.	2.2	25
26	Optimal strategies for sampling functional traits in species-rich forests. Functional Ecology, 2015, 29, 1325-1331.	3.6	19
27	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
28	Fuels and fires influence vegetation via above- and belowground pathways in a high-diversity plant community. Journal of Ecology, 2015, 103, 1009-1019.	4.0	35
29	Environmental factors predict community functional composition in Amazonian forests. Journal of Ecology, 2014, 102, 145-155.	4.0	132
30	Rare Species Support Vulnerable Functions in High-Diversity Ecosystems. PLoS Biology, 2013, 11, e1001569.	5.6	654
31	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
32	Quantifying the importance of local niche-based and stochastic processes to tropical tree community assembly. Ecology, 2012, 93, 760-769.	3.2	86
33	Differences in volatile terpene composition between the bark and leaves of tropical tree species. Phytochemistry, 2012, 82, 81-88.	2.9	32
34	Phylogenetic density dependence and environmental filtering predict seedling mortality in a tropical forest. Ecology Letters, 2012, 15, 34-41.	6.4	106
35	Contrasting taxonomic and functional responses of a tropical tree community to selective logging. Journal of Applied Ecology, 2012, 49, 861-870.	4.0	102
36	Using functional traits and phylogenetic trees to examine the assembly of tropical tree communities. Journal of Ecology, 2012, 100, 690-701.	4.0	191

#	ARTICLE	IF	CITATIONS
37	How to fit nonlinear plant growth models and calculate growth rates: an update for ecologists. <i>Methods in Ecology and Evolution</i> , 2012, 3, 245-256.	5.2	446
38	Functional traits shape ontogenetic growth trajectories of rain forest tree species. <i>Journal of Ecology</i> , 2011, 99, 1431-1440.	4.0	180
39	Functional traits of individual trees reveal ecological constraints on community assembly in tropical rain forests. <i>Oikos</i> , 2011, 120, 720-727.	2.7	124
40	Within-individual variation of trunk and branch xylem density in tropical trees. <i>American Journal of Botany</i> , 2011, 98, 140-149.	1.7	33
41	Continental-scale patterns of <i>Cecropia</i> reproductive phenology: evidence from herbarium specimens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2437-2445.	2.6	46
42	spacodiR: structuring of phylogenetic diversity in ecological communities. <i>Bioinformatics</i> , 2011, 27, 2437-2438.	4.1	24
43	Does pyrogenicity protect burning plants?. <i>Ecology</i> , 2010, 91, 3481-3486.	3.2	82
44	Functional trait variation and sampling strategies in species-rich plant communities. <i>Functional Ecology</i> , 2010, 24, 208-216.	3.6	147
45	Functional explanations for variation in bark thickness in tropical rain forest trees. <i>Functional Ecology</i> , 2010, 24, 1202-1210.	3.6	121
46	Shifts in species and phylogenetic diversity between sapling and tree communities indicate negative density dependence in a lowland rain forest. <i>Journal of Ecology</i> , 2010, 98, 137-146.	4.0	64
47	Decoupled leaf and stem economics in rain forest trees. <i>Ecology Letters</i> , 2010, 13, 1338-1347.	6.4	312
48	Diversity of the Volatile Organic Compounds Emitted by 55 Species of Tropical Trees: a Survey in French Guiana. <i>Journal of Chemical Ecology</i> , 2009, 35, 1349-1362.	1.8	67
49	Quantifying the effects of seed arrival and environmental conditions on tropical seedling community structure. <i>Oecologia</i> , 2009, 160, 139-150.	2.0	35
50	Supplemental irrigation increases seedling performance and diversity in a tropical forest. <i>Journal of Tropical Ecology</i> , 2009, 25, 171-180.	1.1	21
51	Weak Competition Among Tropical Tree Seedlings: Implications for Species Coexistence. <i>Biotropica</i> , 2008, 40, 432-440.	1.6	96
52	TREE RECRUITMENT IN AN EMPTY FOREST. <i>Ecology</i> , 2008, 89, 1757-1768.	3.2	372
53	SEED PREDATION BY NEOTROPICAL RAIN FOREST MAMMALS INCREASES DIVERSITY IN SEEDLING RECRUITMENT. <i>Ecology</i> , 2007, 88, 3076-3087.	3.2	88