Daniel Maynard

List of Publications by Year
in descending order

42 papers	3,956 citations	218677 26 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	6336 citing authors

#	Article	IF	Citations
1	Alternative stable states of the forest mycobiome are maintained through positive feedbacks. Nature Ecology and Evolution, 2022, 6, 375-382.	7.8	21
2	Global relationships in tree functional traits. Nature Communications, 2022, 13, .	12.8	29
3	Quantifying microbial control of soil organic matter dynamics at macrosystem scales. Biogeochemistry, 2021, 156, 19-40.	3.5	37
4	Belowground community turnover accelerates the decomposition of standing dead wood. Ecology, 2021, 102, e03484.	3.2	13
5	Predicting coexistence in experimental ecological communities. Nature Ecology and Evolution, 2020, 4, 91-100.	7.8	45
6	Fungal functional ecology: bringing a traitâ€based approach to plantâ€associated fungi. Biological Reviews, 2020, 95, 409-433.	10.4	171
7	A trait-based understanding of wood decomposition by fungi. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11551-11558.	7.1	102
8	Distinct Assembly Processes and Microbial Communities Constrain Soil Organic Carbon Formation. One Earth, 2020, 2, 349-360.	6.8	74
9	Phenotypic variability promotes diversity and stability in competitive communities. Ecology Letters, 2019, 22, 1776-1786.	6.4	30
10	The global soil community and its influence on biogeochemistry. Science, 2019, 365, .	12.6	586
11	Reconciling empirical interactions and species coexistence. Ecology Letters, 2019, 22, 1028-1037.	6.4	11
12	Consistent trade-offs in fungal trait expression across broad spatial scales. Nature Microbiology, 2019, 4, 846-853.	13.3	94
13	Species associations overwhelm abiotic conditions to dictate the structure and function of woodâ€decay fungal communities. Ecology, 2018, 99, 801-811.	3.2	42
14	Intransitive competition is common across five major taxonomic groups and is driven by productivity, competitive rank and functional traits. Journal of Ecology, 2018, 106, 852-864.	4.0	36
15	Network spandrels reflect ecological assembly. Ecology Letters, 2018, 21, 324-334.	6.4	45
16	Linking functional diversity and ecosystem processes: A framework for using functional diversity metrics to predict the ecosystem impact of functionally unique species. Journal of Ecology, 2018, 106, 687-698.	4.0	39
17	The use of artificial media in fungal ecology. Fungal Ecology, 2018, 32, 87-91.	1.6	36
18	Ants: Ecology and Impacts in Dead Wood. Zoological Monographs, 2018, , 237-262.	1.1	15

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19	Diversity begets diversity in competition for space. Nature Ecology and Evolution, 2017, 1, 156.	7.8	79
20	Decoupling direct and indirect effects of temperature on decomposition. Soil Biology and Biochemistry, 2017, 112, 110-116.	8.8	25
21	Competitive network determines the direction of the diversityâ€“function relationship. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11464-11469.	7.1	102
22	Fungal interactions reduce carbon use efficiency. Ecology Letters, 2017, 20, 1034-1042.	6.4	65
23	A test of the hierarchical model of litter decomposition. Nature Ecology and Evolution, 2017, 1, 1836-1845.	7.8	172
24	Understanding the dominant controls on litter decomposition. Journal of Ecology, 2016, 104, 229-238.	4.0	409
25	Efficacy of remote telemetry data loggers for landscapeâ€scale monitoring: A case study of American martens. Wildlife Society Bulletin, 2016, 40, 570-582.	1.6	4
26	Greenhouse trace gases in deadwood. Biogeochemistry, 2016, 130, 215-226.	3.5	31
27	Spatially-explicit models of global tree density. Scientific Data, 2016, 3, 160069.	5.3	7
28	Growing the urban forest: tree performance in response to biotic and abiotic land management. Restoration Ecology, 2015, 23, 707-718.	2.9	51
29	Biotic interactions mediate soil microbial feedbacks to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7033-7038.	7.1	201
30	Modelling the multidimensional niche by linking functional traits to competitive performance. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150516.	2.6	8
31	Environmental stress response limits microbial necromass contributions to soil organic carbon. Soil Biology and Biochemistry, 2015, 85, 153-161.	8.8	50
32	Temperate forest termites: ecology, biogeography, and ecosystem impacts. Ecological Entomology, 2015, 40, 199-210.	2.2	36
33	Consistent effects of eastern subterranean termites (Reticulitermes flavipes) on properties of a temperate forest soil. Soil Biology and Biochemistry, 2015, 91, 84-91.	8.8	15
34	Reply to Veresoglou: Overdependence on â€œsignificanceâ€•testing in biology. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5114-E5114.	7.1	2
35	Mapping tree density at a global scale. Nature, 2015, 525, 201-205.	27.8	642
36	Untangling the fungal niche: the trait-based approach. Frontiers in Microbiology, 2014, 5, 579.	3.5	211

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37	Climate fails to predict wood decomposition at regional scales. Nature Climate Change, 2014, 4, 625-630.	18.8	281
38	Predicting the responsiveness of soil biodiversity to deforestation: a crossâ€biome study. Global Change Biology, 2014, 20, 2983-2994.	9.5	101
39	Vertical point sampling with a digital camera: Slope correction and field evaluation. Computers and Electronics in Agriculture, 2014, 100, 131-138.	7.7	2
40	Requirements for labelling forest polygons in an object-based image analysis classification. International Journal of Remote Sensing, 2013, 34, 2531-2547.	2.9	11
41	Modeling Forest Canopy Structure and Density by Combining Point Quadrat Sampling and Survival Analysis. Forest Science, 2013, 59, 681-692.	1.0	5
42	Mortality After Hospitalization for Heart Failure in Blacks Compared to Whites. American Journal of Cardiology, 2010, 105, 694-700.	1.6	18