Jonathan A Myers

List of Publications by Year
in descending order

69 papers	6,655 citations	136950 32 h-index	114465 63 g-index
73 all docs	73 docs citations	73 times ranked	9102 citing authors

#	Article	IF	Citations
1	allodb: An R package for biomass estimation at globally distributed extratropical forest plots. Methods in Ecology and Evolution, 2022, 13, 330-338.	5.2	11
2	North American tree migration paced by climate in the West, lagging in the East. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	27
3	Wildfire severity alters drivers of interaction betaâ€diversity in plantâ€“bee networks. Ecography, 2022, 2022, .	4.5	9
4	Global maps of soil temperature. Global Change Biology, 2022, 28, 3110-3144.	9.5	113
5	Globally, tree fecundity exceeds productivity gradients. Ecology Letters, 2022, 25, 1471-1482.	6.4	11
6	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery. Nature Communications, 2022, 13, 2381.	12.8	21
7	Beta diversity as a driver of forest biomass across spatial scales. Ecology, 2022, 103, .	3.2	15
8	Biotic and abiotic drivers of plantâ€“pollinator community assembly across wildfire gradients. Journal of Ecology, 2021, 109, 1000-1013.	4.0	8
9	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	4.1	122
10	Conspecific negative density dependence and why its study should not be abandoned. Ecosphere, 2021, 12, e03322.	2.2	16
11	Continent-wide tree fecundity driven by indirect climate effects. Nature Communications, 2021, 12, 1242.	12.8	46
12	Mature Andean forests as globally important carbon sinks and future carbon refuges. Nature Communications, 2021, 12, 2138.	12.8	26
13	Mechanisms of community assembly explaining betaâ€diversity patterns across biogeographic regions. Journal of Vegetation Science, 2021, 32, e13032.	2.2	5
14	Chemical Similarity of Co-occurring Trees Decreases With Precipitation and Temperature in North American Forests. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	13
15	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	12.8	28
16	Is there tree senescence? The fecundity evidence. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	42
17	The evolutionary assembly of forest communities along environmental gradients: recent diversification or sorting of preâ€adapted clades?. New Phytologist, 2021, 232, 2506-2519.	7.3	4
18	Accurate forest projections require longâ€term wood decay experiments because plant trait effects change through time. Global Change Biology, 2020, 26, 864-875.	9.5	34

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19	Untangling the importance of niche breadth and niche position as drivers of tree species abundance and occupancy across biogeographic regions. Global Ecology and Biogeography, 2020, 29, 1542-1553.	5.8	22
20	Local species diversity, Î²-diversity and climate influence the regional stability of bird biomass across North America. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192520.	2.6	21
21	Prairie plants harbor distinct and beneficial root-endophytic bacterial communities. PLoS ONE, 2020, 15, e0234537.	2.5	0
22	Fire as a fundamental ecological process: Research advances and frontiers. Journal of Ecology, 2020, 108, 2047-2069.	4.0	281
23	Prairie plants harbor distinct and beneficial root-endophytic bacterial communities. , 2020, 15, e0234537.		0
24	Prairie plants harbor distinct and beneficial root-endophytic bacterial communities. , 2020, 15, e0234537.		0
25	Prairie plants harbor distinct and beneficial root-endophytic bacterial communities. , 2020, 15, e0234537.		0
26	Prairie plants harbor distinct and beneficial root-endophytic bacterial communities. , 2020, 15, e0234537.		0
27	Prairie plants harbor distinct and beneficial root-endophytic bacterial communities. , 2020, 15, e0234537.		0
28	Prairie plants harbor distinct and beneficial root-endophytic bacterial communities. , 2020, 15, e0234537.		0
29	Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. Ecology Letters, 2019, 22, 245-255.	6.4	92
30	Wildfires Influence Abundance, Diversity, and Intraspecific and Interspecific Trait Variation of Native Bees and Flowering Plants Across Burned and Unburned Landscapes. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	35
31	Patterns of nitrogenâ€fixing tree abundance in forests across Asia and America. Journal of Ecology, 2019, 107, 2598-2610.	4.0	29
32	Species Diversity Associated with Foundation Species in Temperate and Tropical Forests. Forests, 2019, 10, 128.	2.1	21
33	Landscape context mediates the relationship between plant functional traits and decomposition. Plant and Soil, 2019, 438, 377-391.	3.7	1
34	Snail herbivory affects seedling establishment in a temperate forest in the Ozarks. Journal of Ecology, 2019, 107, 1828-1838.	4.0	2
35	Integrating species traits into species pools. Ecology, 2018, 99, 1265-1276.	3.2	55
36	Ecological drivers of spatial community dissimilarity, species replacement and species nestedness across temperate forests. Global Ecology and Biogeography, 2018, 27, 581-592.	5.8	48

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37	Response to Comment on â€œPlant diversity increases with the strength of negative density dependence at the global scaleâ€• Science, 2018, 360, .	12.6	6
38	Response to Comment on â€œPlant diversity increases with the strength of negative density dependence at the global scaleâ€• Science, 2018, 360, .	12.6	9
39	Landscape Physiognomy Influences Abundance of the Lone Star Tick, Amblyomma americanum (Ixodida:) Tj ETQq1 1 0.784314 rgBT /	1.8	8
40	Global importance of largeâ€diameter trees. Global Ecology and Biogeography, 2018, 27, 849-864.	5.8	330
41	Dispersal and neutral sampling mediate contingent effects of disturbance on plant betaâ€diversity: a metaâ€analysis. Ecology Letters, 2017, 20, 347-356.	6.4	72
42	Groundcover community assembly in highâ€diversity pine savannas: seed arrival and fireâ€generated environmental filtering. Ecosphere, 2017, 8, e01716.	2.2	15
43	Negative density dependence mediates biodiversityâ€“productivity relationships across scales. Nature Ecology and Evolution, 2017, 1, 1107-1115.	7.8	25
44	Plant diversity increases with the strength of negative density dependence at the global scale. Science, 2017, 356, 1389-1392.	12.6	222
45	Treeâ€mycorrhizal associations detected remotely from canopy spectral properties. Global Change Biology, 2016, 22, 2596-2607.	9.5	45
46	When does intraspecific trait variation contribute to functional betaâ€diversity?. Journal of Ecology, 2016, 104, 487-496.	4.0	52
47	Using codispersion analysis to quantify and understand spatial patterns in speciesâ€“environment relationships. New Phytologist, 2016, 211, 735-749.	7.3	15
48	The promise and pitfalls of Î²â€diversity in ecology and conservation. Journal of Vegetation Science, 2016, 27, 1081-1083.	2.2	27
49	Negative density dependence is stronger in resourceâ€rich environments and diversifies communities when stronger for common but not rare species. Ecology Letters, 2016, 19, 657-667.	6.4	86
50	Direct estimates of downslope deadwood movement over 30 years in a temperature forest illustrate impacts of treefall on forest ecosystem dynamics. Canadian Journal of Forest Research, 2016, 46, 351-361.	1.7	7
51	The betaâ€diversity of species interactions: Untangling the drivers of geographic variation in plantâ€“pollinator diversity and function across scales. American Journal of Botany, 2016, 103, 118-128.	1.7	43
52	Wildfire disturbance and productivity as drivers of plant species diversity across spatial scales. Ecosphere, 2015, 6, 1-14.	2.2	66
53	Disturbance alters betaâ€diversity but not the relative importance of community assembly mechanisms. Journal of Ecology, 2015, 103, 1291-1299.	4.0	124
54	Elevational Gradients in Î²-Diversity Reflect Variation in the Strength of Local Community Assembly Mechanisms across Spatial Scales. PLoS ONE, 2015, 10, e0121458.	2.5	68

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55	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
56	<scp>CTFS</scp>â€Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	9.5	473
57	Ontogenetic trait variation influences tree community assembly across environmental gradients. Ecosphere, 2014, 5, 1-20.	2.2	64
58	Betaâ€diversity in temperate and tropical forests reflects dissimilar mechanisms of community assembly. Ecology Letters, 2013, 16, 151-157.	6.4	370
59	Stochastic and deterministic drivers of spatial and temporal turnover in breeding bird communities. Global Ecology and Biogeography, 2013, 22, 202-212.	5.8	121
60	Inferring local ecological processes amid species pool influences. Trends in Ecology and Evolution, 2012, 27, 600-607.	8.7	188
61	Small-Scale Variation in Fuel Loads Differentially Affects Two Co-Dominant Bunchgrasses in a Species-Rich Pine Savanna. PLoS ONE, 2012, 7, e29674.	2.5	18
62	Disentangling the importance of ecological niches from stochastic processes across scales. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2351-2363.	4.0	1,161
63	Disentangling the Drivers of Î² Diversity Along Latitudinal and Elevational Gradients. Science, 2011, 333, 1755-1758.	12.6	617
64	Seed arrival and ecological filters interact to assemble high-diversity plant communities. Ecology, 2011, 92, 676-686.	3.2	110
65	Seed arrival, ecological filters, and plant species richness: a metaâ€analysis. Ecology Letters, 2009, 12, 1250-1260.	6.4	298
66	Local immigration, competition from dominant guilds, and the ecological assembly of highâ€diversity pine savannas. Ecology, 2009, 90, 2745-2754.	3.2	65
67	Carbohydrate storage enhances seedling shade and stress tolerance in a neotropical forest. Journal of Ecology, 2007, 95, 383-395.	4.0	290
68	Seed dispersal by white-tailed deer: implications for long-distance dispersal, invasion, and migration of plants in eastern North America. Oecologia, 2004, 139, 35-44.	2.0	253
69	DISPERSAL OF TRILLIUM SEEDS BY DEER: IMPLICATIONS FOR LONG-DISTANCE MIGRATION OF FOREST HERBS. Ecology, 2003, 84, 1067-1072.	3.2	206