Jacob Mason Heberling

List of Publications by Year
in descending order

33 papers	2,320 citations	430874 18 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	4868 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	Digitization and the Future of Natural History Collections. BioScience, 2020, 70, 243-251.	4.9	161
3	Data integration enables global biodiversity synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	144
4	Resourceâ€use strategies of native and invasive plants in Eastern North American forests. New Phytologist, 2013, 200, 523-533.	7.3	113
5	Scale dependence of vegetationâ€“environment relationships: a metaâ€analysis of multivariate data. Journal of Vegetation Science, 2012, 23, 942-951.	2.2	91
6	Phenological mismatch with trees reduces wildflower carbon budgets. Ecology Letters, 2019, 22, 616-623.	6.4	73
7	The Changing Uses of Herbarium Data in an Era of Global Change: An Overview Using Automated Content Analysis. BioScience, 2019, 69, 812-822.	4.9	70
8	Machine Learning Using Digitized Herbarium Specimens to Advance Phenological Research. BioScience, 2020, 70, 610-620.	4.9	61
9	Herbarium specimens as exaptations: New uses for old collections. American Journal of Botany, 2017, 104, 963-965.	1.7	58
10	<scp>iN</scp>aturalist as a tool to expand the research value of museum specimens. Applications in Plant Sciences, 2018, 6, e01193.	2.1	54
11	Biogeographic constraints on the worldâ€wide leaf economics spectrum. Global Ecology and Biogeography, 2012, 21, 1137-1146.	5.8	48
12	Carbon gain phenologies of springâ€flowering perennials in a deciduous forest indicate a novel niche for a widespread invader. New Phytologist, 2019, 221, 778-788.	7.3	39
13	Invaders do not require high resource levels to maintain physiological advantages in a temperate deciduous forest. Ecology, 2016, 97, 874-884.	3.2	38
14	Herbaria as Big Data Sources of Plant Traits. International Journal of Plant Sciences, 2022, 183, 87-118.	1.3	38
15	The Composite Insect Trap: An Innovative Combination Trap for Biologically Diverse Sampling. PLoS ONE, 2011, 6, e21079.	2.5	36
16	Differential and interacting impacts of invasive plants and white-tailed deer in eastern U.S. forests. Biological Invasions, 2021, 23, 2711-2727.	2.4	29
17	Plant functional shifts in the invaded range: a test with reciprocal forest invaders of Europe and North America. Functional Ecology, 2016, 30, 875-884.	3.6	23
18	Herbariumâ€based measurements reliably estimate three functional traits. American Journal of Botany, 2020, 107, 1457-1464.	1.7	21

#	Article	IF	Citations
19	Herbaceous invaders in temperate forests: a systematic review of their ecology and proposed mechanisms of invasion. Biological Invasions, 2017, 19, 3079-3097.	2.4	20
20	Macrophenology: insights into the broadâ€scale patterns, drivers, and consequences of phenology. American Journal of Botany, 2021, 108, 2112-2126.	1.7	20
21	Utilizing herbarium specimens to quantify historical mycorrhizal communities. Applications in Plant Sciences, 2019, 7, e01223.	2.1	17
22	Tolerance of two invasive thistles to repeated disturbance. Ecological Research, 2011, 26, 575-581.	1.5	15
23	Biotic interchange in the Anthropocene: strong asymmetry in East Asian and eastern North American plant invasions. Global Ecology and Biogeography, 2017, 26, 447-458.	5.8	15
24	Functional shift of sycamore maple (Acer pseudoplatanus) towards greater plasticity and shade tolerance in its invasive range. Perspectives in Plant Ecology, Evolution and Systematics, 2017, 29, 30-40.	2.7	15
25	Effects of deer on the photosynthetic performance of invasive and native forest herbs. AoB PLANTS, 2017, 9, plx011.	2.3	15
26	Nonnative oldâ€field species inhabit early season phenological niches and exhibit unique sensitivity to climate. Ecosphere, 2020, 11, e03217.	2.2	12
27	Fast but steady: An integrated leafâ€stemâ€root trait syndrome for woody forest invaders. Ecology Letters, 2022, 25, 900-912.	6.4	12
28	Leaf functional traits at home and abroad: A community perspective of sycamore maple invasion. Forest Ecology and Management, 2020, 464, 118061.	3.2	11
29	Using Convolutional Neural Networks to Efficiently Extract Immense Phenological Data From Community Science Images. Frontiers in Plant Science, 2021, 12, 787407.	3.6	11
30	Are endemics functionally distinct? Leaf traits of native and exotic woody species in a New Zealand forest. PLoS ONE, 2018, 13, e0196746.	2.5	7
31	Parasitic flowering plant collections embody the extended specimen. Methods in Ecology and Evolution, 2023, 14, 319-331.	5.2	7
32	Global Change Biology: Museum Specimens Are More Than Meet the Eye. Current Biology, 2020, 30, R1368-R1370.	3.9	5
33	Invaders do not require high resource levels to maintain physiological advantages in a temperate deciduous forest. Ecology, 2016, , .	3.2	1