

Dylan Craven

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

7,101
citations

126708
33
h-index

98622
67
g-index

82
all docs

82
docs citations

82
times ranked

10505
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
2	Biodiversity increases the resistance of ecosystem productivity to climate extremes. <i>Nature</i> , 2015, 526, 574-577.	13.7	1,032
3	Biomass resilience of Neotropical secondary forests. <i>Nature</i> , 2016, 530, 211-214.	13.7	763
4	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. <i>Science Advances</i> , 2016, 2, e1501639.	4.7	423
5	Global trait–environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	3.4	397
6	Multiple facets of biodiversity drive the diversity–stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	3.4	296
7	Key role of symbiotic dinitrogen fixation in tropical forest secondary succession. <i>Nature</i> , 2013, 502, 224-227.	13.7	287
8	Estimating carbon stock in secondary forests: Decisions and uncertainties associated with allometric biomass models. <i>Forest Ecology and Management</i> , 2011, 262, 1648-1657.	1.4	203
9	Plant diversity effects on grassland productivity are robust to both nutrient enrichment and drought. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150277.	1.8	169
10	Multidimensional tropical forest recovery. <i>Science</i> , 2021, 374, 1370-1376.	6.0	165
11	Mapping local and global variability in plant trait distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10937-E10946.	3.3	159
12	Drivers of temporal changes in temperate forest plant diversity vary across spatial scales. <i>Global Change Biology</i> , 2015, 21, 3726-3737.	4.2	124
13	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. <i>Nature Ecology and Evolution</i> , 2019, 3, 928-934.	3.4	120
14	Biodiversity–ecosystem function experiments reveal the mechanisms underlying the consequences of biodiversity change in real world ecosystems. <i>Journal of Vegetation Science</i> , 2016, 27, 1061-1070.	1.1	107
15	The unseen invaders: introduced earthworms as drivers of change in plant communities in North American forests (a meta-analysis). <i>Global Change Biology</i> , 2017, 23, 1065-1074.	4.2	107
16	Early growth and survival of 49 tropical tree species across sites differing in soil fertility and rainfall in Panama. <i>Forest Ecology and Management</i> , 2011, 261, 1580-1589.	1.4	95
17	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. <i>Nature Ecology and Evolution</i> , 2017, 1, 1639-1642.	3.4	95
18	Succession of Ephemeral Secondary Forests and Their Limited Role for the Conservation of Floristic Diversity in a Human-Modified Tropical Landscape. <i>PLoS ONE</i> , 2013, 8, e82433.	1.1	93

#	ARTICLE	IF	CITATIONS
19	Soil nutrients and dispersal limitation shape compositional variation in secondary tropical forests across multiple scales. <i>Journal of Ecology</i> , 2019, 107, 566-581.	1.9	88
20	Biodiversity promotes ecosystem functioning despite environmental change. <i>Ecology Letters</i> , 2022, 25, 555-569.	3.0	85
21	Biotic homogenization destabilizes ecosystem functioning by decreasing spatial asynchrony. <i>Ecology</i> , 2021, 102, e03332.	1.5	74
22	Silvicultural and economic aspects of pure and mixed native tree species plantations on degraded pasturelands in humid Costa Rica. <i>New Forests</i> , 2010, 39, 369-385.	0.7	66
23	Mixed-species tree plantings enhance structural complexity in oil palm plantations. <i>Agriculture, Ecosystems and Environment</i> , 2019, 283, 106564.	2.5	62
24	Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. <i>Journal of Ecology</i> , 2015, 103, 1276-1290.	1.9	50
25	Changing gears during succession: shifting functional strategies in young tropical secondary forests. <i>Oecologia</i> , 2015, 179, 293-305.	0.9	50
26	Mycorrhiza in tree diversity–ecosystem function relationships: conceptual framework and experimental implementation. <i>Ecosphere</i> , 2018, 9, e02226.	1.0	49
27	A framework for disentangling ecological mechanisms underlying the island species–area relationship. <i>Frontiers of Biogeography</i> , 2019, 11, .	0.8	46
28	Physiological and anatomical responses of <i>Acacia koa</i> (Gray) seedlings to varying light and drought conditions. <i>Environmental and Experimental Botany</i> , 2010, 69, 205-213.	2.0	44
29	Evaluating resilience of tree communities in fragmented landscapes: linking functional response diversity with landscape connectivity. <i>Diversity and Distributions</i> , 2016, 22, 505-518.	1.9	44
30	Current climate, isolation and history drive global patterns of tree phylogenetic endemism. <i>Global Ecology and Biogeography</i> , 2020, 29, 4-15.	2.7	43
31	Impacts of Herbicide Application and Mechanical Cleanings on Growth and Mortality of Two Timber Species in <i>Saccharum spontaneum</i> Grasslands of the Panama Canal Watershed. <i>Restoration Ecology</i> , 2009, 17, 751-761.	1.4	42
32	Between and within-site comparisons of structural and physiological characteristics and foliar nutrient content of 14 tree species at a wet, fertile site and a dry, infertile site in Panama. <i>Forest Ecology and Management</i> , 2007, 238, 335-346.	1.4	39
33	Seasonal variability of photosynthetic characteristics influences growth of eight tropical tree species at two sites with contrasting precipitation in Panama. <i>Forest Ecology and Management</i> , 2011, 261, 1643-1653.	1.4	39
34	Environmental filtering limits functional diversity during succession in a seasonally wet tropical secondary forest. <i>Journal of Vegetation Science</i> , 2018, 29, 511-520.	1.1	38
35	A cross-scale assessment of productivity–diversity relationships. <i>Global Ecology and Biogeography</i> , 2020, 29, 1940-1955.	2.7	35
36	Functional recovery of secondary tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	34

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37	Dissecting macroecological and macroevolutionary patterns of forest biodiversity across the Hawaiian archipelago. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16436-16441.	3.3	28
38	Positive association between forest management, environmental change, and forest bird abundance. <i>Forest Ecosystems</i> , 2019, 6, .	1.3	28
39	Evaluating forest resilience to global threats using functional response traits and network properties. <i>Ecological Applications</i> , 2020, 30, e02095.	1.8	28
40	Foliar herbivory and leaf traits of five native tree species in a young plantation of Central Panama. <i>New Forests</i> , 2012, 43, 69-87.	0.7	27
41	Evolution of interdisciplinarity in biodiversity science. <i>Ecology and Evolution</i> , 2019, 9, 6744-6755.	0.8	26
42	Water-use efficiency and whole-plant performance of nine tropical tree species at two sites with contrasting water availability in Panama. <i>Trees - Structure and Function</i> , 2013, 27, 639-653.	0.9	25
43	Effects of forest use intensity on vascular epiphyte diversity along an elevational gradient. <i>Diversity and Distributions</i> , 2020, 26, 4-15.	1.9	24
44	Root quality and decomposition environment, but not tree species richness, drive root decomposition in tropical forests. <i>Plant and Soil</i> , 2016, 404, 125-139.	1.8	23
45	Training future generations to deliver evidence-based conservation and ecosystem management. <i>Ecological Solutions and Evidence</i> , 2021, 2, e12032.	0.8	23
46	Effects of soil and leaf litter quality on the biomass of two endogeic earthworm species. <i>European Journal of Soil Biology</i> , 2016, 77, 9-16.	1.4	21
47	Effects on nutrient cycling of conifer restoration in a degraded tropical montane forest. <i>Plant and Soil</i> , 2014, 378, 215-226.	1.8	18
48	Successional, spatial, and seasonal changes in seed rain in the Atlantic forest of southern Bahia, Brazil. <i>PLoS ONE</i> , 2019, 14, e0226474.	1.1	18
49	Response of tree diversity and community composition to forest use intensity along a tropical elevational gradient. <i>Applied Vegetation Science</i> , 2020, 23, 69-79.	0.9	18
50	Ecosystem responses to exotic earthworm invasion in northern North American forests. <i>Research Ideas and Outcomes</i> , 2019, 5, .	1.0	18
51	Recent trends and future strategies in soil ecological research—Integrative approaches at Pedobiologia. <i>Pedobiologia</i> , 2014, 57, 1-3.	0.5	17
52	Synthesizing tree biodiversity data to understand global patterns and processes of vegetation. <i>Journal of Vegetation Science</i> , 2021, 32, e13021.	1.1	17
53	Tree diversity effects on soil microbial biomass and respiration are context dependent across forest diversity experiments. <i>Global Ecology and Biogeography</i> , 2022, 31, 872-885.	2.7	16
54	Functional diversity and redundancy of tropical forests shift with elevation and forest use intensity. <i>Journal of Applied Ecology</i> , 2021, 58, 1827-1837.	1.9	14

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55	Successional syndromes of saplings in tropical secondary forests emerge from environmentâ€dependent traitâ€demography relationships. Ecology Letters, 2021, 24, 1776-1787.	3.0	12
56	Water and energy availability mediate biodiversity patterns along an elevational gradient in the tropical Andes. Journal of Biogeography, 2022, 49, 712-726.	1.4	12
57	Organic textile dye improves the visual assessment of the bait-lamina test. Applied Soil Ecology, 2014, 82, 78-81.	2.1	11
58	Carbon Dynamics of Tropical Forests. , 2012, , 51-75.		10
59	Lifeâ€history dimensions indicate nonâ€random assembly processes in tropical island tree communities. Ecography, 2021, 44, 469-480.	2.1	10
60	Strong floristic distinctiveness across Neotropical successional forests. Science Advances, 2022, 8, .	4.7	10
61	OpenNahele: the open Hawaiian forest plot database. Biodiversity Data Journal, 2018, 6, e28406.	0.4	9
62	Anthropogenic and environmental drivers shape diversity of naturalized plants across the Pacific. Diversity and Distributions, 2021, 27, 1120-1133.	1.9	8
63	ModelaciÃ³n del crecimiento de bosques: estado del arte. Bosque, 2016, 37, 03-12.	0.1	5
64	Niche properties constrain occupancy but not abundance patterns of native and alien woody species across Hawaiian forests. Journal of Vegetation Science, 2021, 32, e13025.	1.1	4
65	Biovera-Epi: A new database on species diversity, community composition and leaf functional traits of vascular epiphytes along gradients of elevation and forest-use intensity in Mexico. Biodiversity Data Journal, 2021, 9, e71974.	0.4	4
66	Broadâ€and smallâ€scale environmental gradients drive variation in chemical, but not morphological, leaf traits of vascular epiphytes. Functional Ecology, 2022, 36, 1858-1872.	1.7	3
67	BIOVERA-Tree: tree diversity, community composition, forest structure and functional traits along gradients of forest-use intensity and elevation in Veracruz, Mexico. Biodiversity Data Journal, 2021, 9, e69560.	0.4	2
68	Local-scale changes in plant diversity: reassessments and implications for biodiversityâ€ecosystem function experiments. Proceedings of Peerage of Science, 0, , .	0.0	1
69	Title is missing!. , 2019, 14, e0226474.		0
70	Title is missing!. , 2019, 14, e0226474.		0
71	Title is missing!. , 2019, 14, e0226474.		0
72	Title is missing!. , 2019, 14, e0226474.		0