William D Pearse

List of Publications by Year
in descending order

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53 papers	3,272 citations	257101 24 h-index	182168 51 g-index
76 all docs	76 docs citations	76 times ranked	6996 citing authors

#	Article	IF	Citations
1	The hidden value of trees: Quantifying the ecosystem services of tree lineages and their major threats across the contiguous US. , 2022, 1, e0000010.		14
2	Predicting catchment suitability for biodiversity at national scales. Water Research, 2022, 221, 118764.	5.3	5
3	Declining Summertime pCO₂ in Tundra Lakes in a Granitic Landscape. Global Biogeochemical Cycles, 2021, 35, e2020GB006850.	1.9	3
4	Phylogenetic generalized linear mixed modeling presents novel opportunities for ecoâ€evolutionary synthesis. Oikos, 2021, 130, 669-679.	1.2	6
5	Phylogenetic diversity efficiently and accurately prioritizes conservation of aquatic macroinvertebrate communities. Ecosphere, 2021, 12, e03383.	1.0	1
6	Temperature and population density influence SARS-CoV-2 transmission in the absence of nonpharmaceutical interventions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	95
7	Saving the Forest from the Trees: Expert Views on Funding Restoration of Northern Arizona Ponderosa Pine Forests through Registered Carbon Offsets. Forests, 2021, 12, 1119.	0.9	1
8	Fractal triads efficiently sample ecological diversity and processes across spatial scales. Oikos, 2021, 130, 2136-2147.	1.2	4
9	Strong trait correlation and phylogenetic signal in North American ground beetle (Carabidae) morphology. Ecosphere, 2021, 12, .	1.0	3
10	Macrophenology: insights into the broadâ€scale patterns, drivers, and consequences of phenology. American Journal of Botany, 2021, 108, 2112-2126.	0.8	20
11	Cryptic diversity in the model fern genus Ceratopteris (Pteridaceae). Molecular Phylogenetics and Evolution, 2020, 152, 106938.	1.2	11
12	Herbivores at the highest risk of extinction among mammals, birds, and reptiles. Science Advances, 2020, 6, eabb8458.	4.7	73
13	Bee phenology is predicted by climatic variation and functional traits. Ecology Letters, 2020, 23, 1589-1598.	3.0	55
14	Horticultural availability and homeowner preferences drive plant diversity and composition in urban yards. Ecological Applications, 2020, 30, e02082.	1.8	30
15	Open Science principles for accelerating trait-based science across the Tree of Life. Nature Ecology and Evolution, 2020, 4, 294-303.	3.4	144
16	SoilTemp: A global database of nearâ€surface temperature. Global Change Biology, 2020, 26, 6616-6629.	4.2	122
17	There and Back Again: Reticulate Evolution in Ceratopteris. American Fern Journal, 2020, 110, .	0.2	6
18	SymbiotaR2: An R Package for Accessing Symbiota2 Data. Journal of Open Source Software, 2020, 5, 2917.	2.0	0

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19	What we (don't) know about global plant diversity. Ecography, 2019, 42, 1819-1831.	2.1	79
20	The interaction of phylogeny and community structure: Linking the community composition and trait evolutionÂof clades. Global Ecology and Biogeography, 2019, 28, 1499-1511.	2.7	14
21	Global imprint of mycorrhizal fungi on whole-plant nutrient economics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23163-23168.	3.3	169
22	Assessing the utility of conserving evolutionary history. Biological Reviews, 2019, 94, 1740-1760.	4.7	65
23	The effect of phylogenetic uncertainty and imputation on <scp>EDGE</scp> Scores. Animal Conservation, 2019, 22, 527-536.	1.5	19
24	Climate and lawn management interact to control C4plant distribution in residential lawns across seven U.S. cities. Ecological Applications, 2019, 29, e01884.	1.8	8
25	Reply to: â€œGlobal conservation of phylogenetic diversity captures more than just functional diversityâ€. Nature Communications, 2019, 10, 858.	5.8	13
26	Preserving evolutionary history with improved confidence. Animal Conservation, 2019, 22, 541-542.	1.5	0
27	Functional biogeography of angiosperms: life at the extremes. New Phytologist, 2018, 218, 1697-1709.	3.5	61
28	Global macroevolution and macroecology of passerine song. Evolution; International Journal of Organic Evolution, 2018, 72, 944-960.	1.1	34
29	Building up biogeography: Pattern to process. Journal of Biogeography, 2018, 45, 1223-1230.	1.4	25
30	Homogenization of plant diversity, composition, and structure in North American urban yards. Ecosphere, 2018, 9, e02105.	1.0	68
31	Towards an ecoâ€phylogenetic framework for infectious disease ecology. Biological Reviews, 2018, 93, 950-970.	4.7	63
32	Complexity is complicated and so too is comparing complexity metricsâ€A response to Mikula etÂal. (2018). Evolution; International Journal of Organic Evolution, 2018, 72, 2836-2838.	1.1	3
33	The Use of EDGE (Evolutionary Distinct Globally Endangered) and EDGE-Like Metrics to Evaluate Taxa for Conservation. , 2018, , 27-39.		12
34	On the relationship between phylogenetic diversity and trait diversity. Ecology, 2018, 99, 1473-1479.	1.5	136
35	Prioritizing phylogenetic diversity captures functional diversity unreliably. Nature Communications, 2018, 9, 2888.	5.8	144
36	Multiple facets of biodiversity drive the diversityâ€“stability relationship. Nature Ecology and Evolution, 2018, 2, 1579-1587.	3.4	296

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37	Suppdata: Downloading Supplementary Data from Published Manuscripts. Journal of Open Source Software, 2018, 3, 721.	2.0	4
38	Global biogeography of seed dormancy is determined by seasonality and seed size: a case study in the legumes. New Phytologist, 2017, 214, 1527-1536.	3.5	112
39	Combining phylogeny and coâ€•occurrence to improve single species distribution models. Global Ecology and Biogeography, 2017, 26, 740-752.	2.7	33
40	A statistical estimator for determining the limits of contemporary and historic phenology. Nature Ecology and Evolution, 2017, 1, 1876-1882.	3.4	81
41	Evolution of mammalian migrations for refuge, breeding, and food. Ecology and Evolution, 2017, 7, 5891-5900.	0.8	30
42	Convergence of microclimate in residential landscapes across diverse cities in the United States. Landscape Ecology, 2016, 31, 101-117.	1.9	78
43	Taking the Long View: Integrating Recorded, Archeological, Paleoecological, and Evolutionary Data into Ecological Restoration. International Journal of Plant Sciences, 2016, 177, 90-102.	0.6	48
44	Commercial Plant Production and Consumption Still Follow the Latitudinal Gradient in Species Diversity despite Economic Globalization. PLoS ONE, 2016, 11, e0163002.	1.1	6
45	Beyond the EDGE with EDAM: Prioritising British Plant Species According to Evolutionary Distinctiveness, and Accuracy and Magnitude of Decline. PLoS ONE, 2015, 10, e0126524.	1.1	14
46	Response to Comment on â€œUsing ecological thresholds to evaluate the costs and benefits of set-asides in a biodiversity hotspotâ€• Science, 2015, 347, 731-731.	6.0	2
47	pez: phylogenetics for the environmental sciences. Bioinformatics, 2015, 31, 2888-2890.	1.8	146
48	Conserving Brazil's Atlantic forestsâ€”Response. Science, 2014, 346, 1193-1193.	6.0	3
49	Using ecological thresholds to evaluate the costs and benefits of set-asides in a biodiversity hotspot. Science, 2014, 345, 1041-1045.	6.0	337
50	Metrics and Models of Community Phylogenetics. , 2014, , 451-464.		23
51	Functional traits, the phylogeny of function, and ecosystem service vulnerability. Ecology and Evolution, 2013, 3, 2958-2975.	0.8	424
52	phyloGenerator: an automated phylogeny generation tool for ecologists. Methods in Ecology and Evolution, 2013, 4, 692-698.	2.2	85
53	Barro Colorado Island's phylogenetic assemblage structure across fine spatial scales and among clades of different ages. Ecology, 2013, 94, 2861-2872.	1.5	24