

# David Beilman

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

3,944  
citations

331670

21  
h-index

302126

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

4082  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expert assessment of future vulnerability of the global peatland carbon sink. <i>Nature Climate Change</i> , 2021, 11, 70-77.	18.8	167
2	On the changing relationship between North Pacific climate variability and synoptic activity over the Hawaiian Islands. <i>International Journal of Climatology</i> , 2021, 41, E1566.	3.5	4
3	Central Pacific hydroclimate over the last 45,000 years: Molecular-isotopic evidence from leaf wax in a Hawaiian peatland. <i>Quaternary Science Reviews</i> , 2021, 253, 106744.	3.0	3
4	Late Quaternary dynamics of Arctic biota from ancient environmental genomics. <i>Nature</i> , 2021, 600, 86-92.	27.8	81
5	An Investigation into <sup>14</sup> C offsets in Modern Mollusk Shell and Flesh from Irish Coasts shows no Significant differences in areas of Carbonate Geology. <i>Radiocarbon</i> , 2019, 61, 1913-1922.	1.8	3
6	Dynamic Holocene Vegetation and North Pacific Hydroclimate Recorded in a Mountain Peatland, Molokai, Hawaii. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	4
7	Seedling drought tolerance and functional traits vary in response to the timing of water availability in a keystone Hawaiian tree species. <i>Plant Ecology</i> , 2019, 220, 321-344.	1.6	17
8	Peatbank response to late Holocene temperature and hydroclimate change in the western Antarctic Peninsula. <i>Quaternary Science Reviews</i> , 2018, 188, 77-89.	3.0	12
9	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. <i>Nature Climate Change</i> , 2018, 8, 907-913.	18.8	188
10	A mid to late Holocene chironomid-inferred temperature record from northwest Ireland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 505, 274-286.	2.3	12
11	Impact of early prehistoric farming on chironomid communities in northwest Ireland. <i>Journal of Paleolimnology</i> , 2017, 57, 227-244.	1.6	11
12	Peatland Ecosystem Processes in the Maritime Antarctic During Warm Climates. <i>Scientific Reports</i> , 2017, 7, 12344.	3.3	17
13	Response of chironomids to Neolithic land-use change in north-west Ireland. <i>Holocene</i> , 2017, 27, 879-889.	1.7	10
14	Transformations of landscape and peat-forming ecosystems in response to late Holocene climate change in the western Antarctic Peninsula. <i>Geophysical Research Letters</i> , 2016, 43, 7186-7195.	4.0	28
15	Peatland paleohydrology in the southern West Siberian Lowlands: Comparison of multiple testate amoeba transfer functions, sites, and <i>Sphagnum</i> <sup>13</sup> C values. <i>Holocene</i> , 2015, 25, 1425-1436.	1.7	16
16	Empirical calibrated radiocarbon sampler: a tool for incorporating radiocarbon date and calibration error into Bayesian phylogenetic analyses of ancient DNA. <i>Molecular Ecology Resources</i> , 2015, 15, 81-86.	4.8	19
17	Modern influences on chironomid distribution in western Ireland: potential for palaeoenvironmental reconstruction. <i>Journal of Paleolimnology</i> , 2014, 52, 385-404.	1.6	16
18	Holocene peatland carbon dynamics in the circum-Arctic region: An introduction. <i>Holocene</i> , 2014, 24, 1021-1027.	1.7	25

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19	A database and synthesis of northern peatland soil properties and Holocene carbon and nitrogen accumulation. <i>Holocene</i> , 2014, 24, 1028-1042.	1.7	404
20	Carbon and nitrogen in the silt-size fraction and its HCl-hydrolysis residues from coarse-textured Canadian boreal forest soils. <i>Canadian Journal of Soil Science</i> , 2014, 94, 157-168.	1.2	4
21	Palaeolimnological impacts of early prehistoric farming at Lough Dargan, County Sligo, Ireland. <i>Journal of Archaeological Science</i> , 2013, 40, 3212-3221.	2.4	18
22	Twentieth century human and climate impacts on a large mountain lake in southwest China. <i>Hydrobiologia</i> , 2013, 718, 189-206.	2.0	13
23	Climate-related changes in peatland carbon accumulation during the last millennium. <i>Biogeosciences</i> , 2013, 10, 929-944.	3.3	257
24	Peatlands as a model ecosystem of soil carbon dynamics: Reply to Comment on "Peatlands and their role in the global carbon cycle". <i>Eos</i> , 2012, 93, 31-31.	0.1	3
25	Influence of permafrost on water storage in West Siberian peatlands revealed from a new database of soil properties. <i>Permafrost and Periglacial Processes</i> , 2012, 23, 69-79.	3.4	24
26	Pattern of extinction of the woolly mammoth in Beringia. <i>Nature Communications</i> , 2012, 3, 893.	12.8	82
27	Carbon and nitrogen stable isotope ratios in surface sediments from lakes of western Ireland: implications for inferring past lake productivity and nitrogen loading. <i>Journal of Paleolimnology</i> , 2012, 47, 167-184.	1.6	38
28	Peatlands and Their Role in the Global Carbon Cycle. <i>Eos</i> , 2011, 92, 97-98.	0.1	153
29	Global peatland dynamics since the Last Glacial Maximum. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	813
30	Carbon accumulation in peatlands of West Siberia over the last 2000 years. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	113
31	Peat carbon stocks in the southern Mackenzie River Basin: uncertainties revealed in a high-resolution case study. <i>Global Change Biology</i> , 2008, 14, 1221-1232.	9.5	44
32	Climate change and the northern Russian treeline zone. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 2283-2299.	4.0	189
33	Yeasts in peatlands: A review of richness and roles in peat decomposition. <i>Wetlands</i> , 2007, 27, 761-773.	1.5	34
34	Rapid Early Development of Circumarctic Peatlands and Atmospheric CH <sub>4</sub> and CO <sub>2</sub> Variations. <i>Science</i> , 2006, 314, 285-288.	12.6	353
35	A high-resolution GIS-based inventory of the west Siberian peat carbon pool. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	4.9	162
36	Siberian Peatlands a Net Carbon Sink and Global Methane Source Since the Early Holocene. <i>Science</i> , 2004, 303, 353-356.	12.6	383

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37	Localized Permafrost Peatlands in Western Canada: Definition, Distributions, and Degradation. <i>Arctic, Antarctic, and Alpine Research</i> , 2001, 33, 70-77.	1.1	65
38	Plant community and diversity change due to localized permafrost dynamics in bogs of western Canada. <i>Canadian Journal of Botany</i> , 2001, 79, 983-993.	1.1	36
39	Sensitivity of Northern Peatland Carbon Dynamics to Holocene Climate Change. <i>Geophysical Monograph Series</i> , 0, , 55-69.	0.1	106