

Caitlin E Hicks Pries

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

1,428
citations

17
h-index

37
g-index

38
ext. papers

1,872
ext. citations

10.1
avg, IF

4.86
L-index

#	Paper	IF	Citations
29	THE CHANGING BIOGEOCHEMICAL CYCLES OF TUNDRA 2022 , 157-181		0
28	Beyond bulk: Density fractions explain heterogeneity in global soil carbon abundance and persistence. <i>Global Change Biology</i> , 2021 ,	11.4	3
27	Five years of whole-soil warming led to loss of subsoil carbon stocks and increased CO efflux. <i>Science Advances</i> , 2021 , 7,	14.3	23
26	Plants and earthworms control soil carbon and water quality trade-offs in turfgrass mesocosms. <i>Science of the Total Environment</i> , 2021 , 753, 141884	10.2	0
25	Trade-offs Between Wood and Leaf Production in Arctic Shrubs Along a Temperature and Moisture Gradient in West Greenland. <i>Ecosystems</i> , 2021 , 24, 652-666	3.9	3
24	Decomposability of soil organic matter over time: the Soil Incubation Database (SIDb, version 1.0) and guidance for incubation procedures. <i>Earth System Science Data</i> , 2020 , 12, 1511-1524	10.5	5
23	An open-source database for the synthesis of soil radiocarbon data: International Soil Radiocarbon Database (ISRaD) version 1.0. <i>Earth System Science Data</i> , 2020 , 12, 61-76	10.5	18
22	Using respiration quotients to track changing sources of soil respiration seasonally and with experimental warming. <i>Biogeosciences</i> , 2020 , 17, 3045-3055	4.6	1
21	Fungal Community, Not Substrate Quality, Drives Soil Microbial Function in Northeastern U.S. Temperate Forests. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	2
20	Drainage enhances modern soil carbon contribution but reduces old soil carbon contribution to ecosystem respiration in tundra ecosystems. <i>Global Change Biology</i> , 2019 , 25, 1315	11.4	17
19	What do we know about soil carbon destabilization?. <i>Environmental Research Letters</i> , 2019 , 14, 083004	6.2	49
18	Direct observation of permafrost degradation and rapid soil carbon loss in tundra. <i>Nature Geoscience</i> , 2019 , 12, 627-631	18.3	85
17	Response to Comment on "The whole-soil carbon flux in response to warming". <i>Science</i> , 2018 , 359,	33.3	5
16	Beyond clay: towards an improved set of variables for predicting soil organic matter content. <i>Biogeochemistry</i> , 2018 , 137, 297-306	3.8	236
15	The effects of heating, rhizosphere, and depth on root litter decomposition are mediated by soil moisture. <i>Biogeochemistry</i> , 2018 , 137, 267-279	3.8	11
14	Root litter decomposition slows with soil depth. <i>Soil Biology and Biochemistry</i> , 2018 , 125, 103-114	7.5	61
13	The whole-soil carbon flux in response to warming. <i>Science</i> , 2017 , 355, 1420-1423	33.3	223

12	Association with pedogenic iron and aluminum: effects on soil organic carbon storage and stability in four temperate forest soils. <i>Biogeochemistry</i> , 2017 , 133, 333-345	3.8	37
11	Long term decomposition: the influence of litter type and soil horizon on retention of plant carbon and nitrogen in soils. <i>Biogeochemistry</i> , 2017 , 134, 5-16	3.8	30
10	Old soil carbon losses increase with ecosystem respiration in experimentally thawed tundra. <i>Nature Climate Change</i> , 2016 , 6, 214-218	21.4	54
9	Decadal warming causes a consistent and persistent shift from heterotrophic to autotrophic respiration in contrasting permafrost ecosystems. <i>Global Change Biology</i> , 2015 , 21, 4508-19	11.4	67
8	A call for international soil experiment networks for studying, predicting, and managing global change impacts. <i>Soil</i> , 2015 , 1, 575-582	5.8	11
7	Permafrost degradation stimulates carbon loss from experimentally warmed tundra. <i>Ecology</i> , 2014 , 95, 602-8	4.6	98
6	Thawing permafrost increases old soil and autotrophic respiration in tundra: partitioning ecosystem respiration using (13) C and (14) C. <i>Global Change Biology</i> , 2013 , 19, 649-61	11.4	119
5	Moisture drives surface decomposition in thawing tundra. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1133-1143	3.7	49
4	Holocene Carbon Stocks and Carbon Accumulation Rates Altered in Soils Undergoing Permafrost Thaw. <i>Ecosystems</i> , 2012 , 15, 162-173	3.9	64
3	Inquiring into Familiar Objects: An Inquiry-Based Approach to Introduce Scientific Vocabulary. <i>Science Activities</i> , 2012 , 49, 64-69	0	2
2	Effects of experimental warming of air, soil and permafrost on carbon balance in Alaskan tundra. <i>Global Change Biology</i> , 2011 , 17, 1394-1407	11.4	152
1	An open source database for the synthesis of soil radiocarbon data: ISRaD version 1.0		2