Caitlin E Hicks Pries

List of Publications by Citations

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	Beyond clay: towards an improved set of variables for predicting soil organic matter content. *Biogeochemistry*, **2018**, 137, 297-306	3.8	236
28	The whole-soil carbon flux in response to warming. *Science*, **2017**, 355, 1420-1423	33.3	223
27	Effects of experimental warming of air, soil and permafrost on carbon balance in Alaskan tundra. *Global Change Biology*, **2011**, 17, 1394-1407	11.4	152
26	Thawing permafrost increases old soil and autotrophic respiration in tundra: partitioning ecosystem respiration using δ(13) C and Δ(14) C. *Global Change Biology*, **2013**, 19, 649-61	11.4	119
25	Permafrost degradation stimulates carbon loss from experimentally warmed tundra. *Ecology*, **2014**, 95, 602-8	4.6	98
24	Direct observation of permafrost degradation and rapid soil carbon loss in tundra. *Nature Geoscience*, **2019**, 12, 627-631	18.3	85
23	Decadal warming causes a consistent and persistent shift from heterotrophic to autotrophic respiration in contrasting permafrost ecosystems. *Global Change Biology*, **2015**, 21, 4508-19	11.4	67
22	Holocene Carbon Stocks and Carbon Accumulation Rates Altered in Soils Undergoing Permafrost Thaw. *Ecosystems*, **2012**, 15, 162-173	3.9	64
21	Root litter decomposition slows with soil depth. *Soil Biology and Biochemistry*, **2018**, 125, 103-114	7.5	61
20	Old soil carbon losses increase with ecosystem respiration in experimentally thawed tundra. *Nature Climate Change*, **2016**, 6, 214-218	21.4	54
19	What do we know about soil carbon destabilization?. *Environmental Research Letters*, **2019**, 14, 083004	6.2	49
18	Moisture drives surface decomposition in thawing tundra. *Journal of Geophysical Research G: Biogeosciences*, **2013**, 118, 1133-1143	3.7	49
17	Association with pedogenic iron and aluminum: effects on soil organic carbon storage and stability in four temperate forest soils. *Biogeochemistry*, **2017**, 133, 333-345	3.8	37
16	Long term decomposition: the influence of litter type and soil horizon on retention of plant carbon and nitrogen in soils. *Biogeochemistry*, **2017**, 134, 5-16	3.8	30
15	Five years of whole-soil warming led to loss of subsoil carbon stocks and increased CO efflux. *Science Advances*, **2021**, 7,	14.3	23
14	An open-source database for the synthesis of soil radiocarbon data: International Soil Radiocarbon Database (ISRaD) version 1.0. *Earth System Science Data*, **2020**, 12, 61-76	10.5	18
13	Drainage enhances modern soil carbon contribution but reduces old soil carbon contribution to ecosystem respiration in tundra ecosystems. *Global Change Biology*, **2019**, 25, 1315	11.4	17

List of Publications

12	The effects of heating, rhizosphere, and depth on root litter decomposition are mediated by soil moisture. *Biogeochemistry*, **2018**, 137, 267-279	3.8	11
11	A call for international soil experiment networks for studying, predicting, and managing global change impacts. *Soil*, **2015**, 1, 575-582	5.8	11
10	Response to Comment on "The whole-soil carbon flux in response to warming". *Science*, **2018**, 359,	33.3	5
9	Decomposability of soil organic matter over time: the Soil Incubation Database (SIDb, version 1.0) and guidance for incubation procedures. *Earth System Science Data*, **2020**, 12, 1511-1524	10.5	5
8	Beyond bulk: Density fractions explain heterogeneity in global soil carbon abundance and persistence. *Global Change Biology*, **2021**,	11.4	3
7	Trade-offs Between Wood and Leaf Production in Arctic Shrubs Along a Temperature and Moisture Gradient in West Greenland. *Ecosystems*, **2021**, 24, 652-666	3.9	3
6	Inquiring into Familiar Objects: An Inquiry-Based Approach to Introduce Scientific Vocabulary. *Science Activities*, **2012**, 49, 64-69	0	2
5	An open source database for the synthesis of soil radiocarbon data: ISRaD version 1.0		2
4	Fungal Community, Not Substrate Quality, Drives Soil Microbial Function in Northeastern U.S. Temperate Forests. *Frontiers in Forests and Global Change*, **2020**, 3,	3.7	2
3	Using respiration quotients to track changing sources of soil respiration seasonally and with experimental warming. *Biogeosciences*, **2020**, 17, 3045-3055	4.6	1
2	Plants and earthworms control soil carbon and water quality trade-offs in turfgrass mesocosms. *Science of the Total Environment*, **2021**, 753, 141884	10.2	0
1	THE CHANGING BIOGEOCHEMICAL CYCLES OF TUNDRA **2022**, 157-181		0