

Chien-Lu Ping

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/542729/publications.pdf>

Version: 2024-02-01

43
papers

3,975
citations

201674

27
h-index

254184

43
g-index

48
all docs

48
docs citations

48
times ranked

4547
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial heterogeneity and environmental predictors of permafrost region soil organic carbon stocks. <i>Science Advances</i> , 2021, 7, .	10.3	130
2	Recent Warming Fuels Increased Organic Carbon Export From Arctic Permafrost. <i>AGU Advances</i> , 2021, 2, e2021AV000396.	5.4	3
3	The effects of warming and soil chemistry on bacterial community structure in Arctic tundra soils. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107882.	8.8	26
4	Variations in soil nutrient availability across Tibetan grassland from the 1980s to 2010s. <i>Geoderma</i> , 2019, 338, 197-205.	5.1	31
5	Predicting the decomposability of arctic tundra soil organic matter with mid infrared spectroscopy. <i>Soil Biology and Biochemistry</i> , 2019, 129, 1-12.	8.8	18
6	Latitudinal transect relationship between soil organic horizons and permafrost depth in Alaska. <i>Applied Soil Ecology</i> , 2018, 123, 588-596.	4.3	2
7	Large uncertainty in permafrost carbon stocks due to hillslope soil deposits. <i>Geophysical Research Letters</i> , 2017, 44, 6134-6144.	4.0	31
8	Influence of site and soil properties on the DRIFT spectra of northern cold-region soils. <i>Geoderma</i> , 2017, 305, 80-91.	5.1	26
9	Permafrost Organic Carbon Mobilization From the Watershed to the Colville River Delta: Evidence From ¹⁴ C Ramped Pyrolysis and Lignin Biomarkers. <i>Geophysical Research Letters</i> , 2017, 44, 11,491.	4.0	23
10	Soil Organic Carbon Reactivity Along the Eroding Coastline of Northern Alaska. <i>Soil Science</i> , 2017, 182, 227-232.	0.9	4
11	Methane emissions proportional to permafrost carbon thawed in Arctic lakes since the 1950s. <i>Nature Geoscience</i> , 2016, 9, 679-682.	12.9	150
12	Permafrost soils and carbon cycling. <i>Soil</i> , 2015, 1, 147-171.	4.9	241
13	Hydromorphic Soil Development in the Coastal Temperate Rainforest of Alaska. <i>Soil Science Society of America Journal</i> , 2015, 79, 698-709.	2.2	16
14	Estimated stocks of circumpolar permafrost carbon with quantified uncertainty ranges and identified data gaps. <i>Biogeosciences</i> , 2014, 11, 6573-6593.	3.3	1,079
15	Sampling Protocols for Permafrost-Affected Soils. <i>Soil Horizons</i> , 2013, 54, 13.	0.3	48
16	Soil Pedon Carbon and Nitrogen Data for Alaska: An Analysis and Update. <i>Open Journal of Soil Science</i> , 2013, 03, 132-142.	0.8	53
17	A new data set for estimating organic carbon storage to 3 m depth in soils of the northern circumpolar permafrost region. <i>Earth System Science Data</i> , 2013, 5, 393-402.	9.9	148
18	Field information links permafrost carbon to physical vulnerabilities of thawing. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	265

#	ARTICLE	IF	CITATIONS
19	Soil Nitrogen Transformations Associated with Small Patterned Ground Features along a North American Arctic Transect. <i>Permafrost and Periglacial Processes</i> , 2012, 23, 196-206.	3.4	8
20	Soil carbon and material fluxes across the eroding Alaska Beaufort Sea coastline. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	84
21	Soil carbon distribution in Alaska in relation to soil-forming factors. <i>Geoderma</i> , 2011, 167-168, 71-84.	5.1	112
22	Characterization of Pyroclastic Deposits and Pre-eruptive Soils following the 2008 Eruption of Kasatochi Island Volcano, Alaska. <i>Arctic, Antarctic, and Alpine Research</i> , 2010, 42, 276-284.	1.1	18
23	Clay Mineralogy in Arctic Tundra Gelisols, Northern Alaska. <i>Soil Science Society of America Journal</i> , 2010, 74, 580-592.	2.2	43
24	Spatial variation of tundra soil organic carbon along the coastline of northern Alaska. <i>Geoderma</i> , 2010, 154, 328-335.	5.1	16
25	Commentary. Integrating Research, Education, and Traditional Knowledge in Ecology: a Case Study of Biocomplexity in Arctic Ecosystems. <i>Arctic, Antarctic, and Alpine Research</i> , 2010, 42, 379-384.	1.1	3
26	Potential DOC production from size-fractionated Arctic tundra soils. <i>Cold Regions Science and Technology</i> , 2009, 55, 141-150.	3.5	38
27	Chemical and isotopic characterization of size-fractionated organic matter from cryoturbated tundra soils, northern Alaska. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	57
28	High stocks of soil organic carbon in the North American Arctic region. <i>Nature Geoscience</i> , 2008, 1, 615-619.	12.9	306
29	Estimating the Impact of Seawater on the Production of Soil Water-Extractable Organic Carbon during Coastal Erosion. <i>Journal of Environmental Quality</i> , 2008, 37, 2368-2374.	2.0	29
30	Mobilization pathways of organic carbon from permafrost to arctic rivers in a changing climate. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	222
31	Soil organic matter dynamics under decaying wood in a subtropical wet forest: effect of tree species and decay stage. <i>Plant and Soil</i> , 2007, 296, 173-185.	3.7	44
32	Cold-season Production of CO ₂ in Arctic Soils: Can Laboratory and Field Estimates Be Reconciled through a Simple Modeling Approach?. <i>Arctic, Antarctic, and Alpine Research</i> , 2006, 38, 249-256.	1.1	50
33	Soil Acidity and Exchange Properties of Cryogenic Soils in Arctic Alaska. <i>Soil Science and Plant Nutrition</i> , 2005, 51, 649-653.	1.9	26
34	Frost-boil ecosystems: complex interactions between landforms, soils, vegetation and climate. <i>Permafrost and Periglacial Processes</i> , 2004, 15, 171-188.	3.4	110
35	Characterizing soil organic matter quality in arctic soil by cover type and depth. <i>Cold Regions Science and Technology</i> , 2004, 38, 63-73.	3.5	35
36	Changes of climate and seasonally frozen ground over the past 30 years in Qinghai Xizang (Tibetan) Plateau, China. <i>Global and Planetary Change</i> , 2004, 43, 19-31.	3.5	230

#	ARTICLE	IF	CITATIONS
37	Modelling carbon balances of coastal arctic tundra under changing climate. <i>Global Change Biology</i> , 2003, 9, 16-36.	9.5	36
38	Fingerprinting soil organic matter in the arctic to help predict CO2 flux. <i>Cold Regions Science and Technology</i> , 2002, 35, 185-194.	3.5	28
39	Growth of balsam poplar and black cottonwood in Alaska in relation to landform and soil. <i>Canadian Journal of Forest Research</i> , 2001, 31, 1793-1804.	1.7	10
40	The Full-Glacial Environment of the Northern Seward Peninsula, Alaska, Reconstructed from the 21,500-Year-Old Kitluk Paleosol. <i>Quaternary Research</i> , 2000, 53, 143-153.	1.7	44
41	Diapirism in soils due to thaw of ice-rich material near the permafrost table. <i>Permafrost and Periglacial Processes</i> , 1999, 10, 349-367.	3.4	27
42	Properties of Permafrost Soils on the Northern Seward Peninsula, Northwest Alaska. <i>Soil Science Society of America Journal</i> , 1998, 62, 1629-1639.	2.2	23
43	Properties and soil development of late-Pleistocene paleosols from Seward Peninsula, northwest Alaska. <i>Geoderma</i> , 1996, 71, 219-243.	5.1	32