Britta Sannel

List of Publications by Year
in descending order

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35 papers	4,375 citations	279487 23 h-index	329751 37 g-index
42 all docs	42 docs citations	42 times ranked	5141 citing authors

#	Article	IF	Citations
1	A strong mitigation scenario maintains climate neutrality of northern peatlands. One Earth, 2022, 5, 86-97.	3.6	14
2	Synchronous or Not? The Timing of the Younger Dryas and Greenland Stadial-1 Reviewed Using Tephrochronology. Quaternary, 2022, 5, 19.	1.0	3
3	Expert assessment of future vulnerability of the global peatland carbon sink. Nature Climate Change, 2021, 11, 70-77.	8.1	167
4	Permafrost Thaw in Northern Peatlands: Rapid Changes in Ecosystem and Landscape Functions. Ecological Studies, 2021, , 27-67.	0.4	11
5	Permafrost Thaw Increases Methylmercury Formation in Subarctic Fennoscandia. Environmental Science & Technology, 2021, 55, 6710-6717.	4.6	10
6	Predicted Vulnerability of Carbon in Permafrost Peatlands With Future Climate Change and Permafrost Thaw in Western Canada. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG005872.	1.3	20
7	Warming climate forcing impact from a sub-arctic peatland as a result of late Holocene permafrost aggradation and initiation of bare peat surfaces. Quaternary Science Reviews, 2021, 264, 107022.	1.4	3
8	Shallow soils are warmer under trees and tall shrubs across Arctic and Boreal ecosystems. Environmental Research Letters, 2021, 16, 015001.	2.2	39
9	Ground temperature and snow depth variability within a subarctic peat plateau landscape. Permafrost and Periglacial Processes, 2020, 31, 255-263.	1.5	11
10	Modelling past and future peatland carbon dynamics across the panâ€Arctic. Global Change Biology, 2020, 26, 4119-4133.	4.2	58
11	Carbon release through abrupt permafrost thaw. Nature Geoscience, 2020, 13, 138-143.	5.4	434
12	Overlooked organic vapor emissions from thawing Arctic permafrost. Environmental Research Letters, 2020, 15, 104097.	2.2	17
13	Data for wetlandscapes and their changes around the world. Earth System Science Data, 2020, 12, 1083-1100.	3.7	12
14	Permafrost collapse is accelerating carbon release. Nature, 2019, 569, 32-34.	13.7	237
15	Priorities and Interactions of Sustainable Development Goals (SDGs) with Focus on Wetlands. Water (Switzerland), 2019, 11, 619.	1.2	75
16	Widespread global peatland establishment and persistence over the last 130,000 y. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4822-4827.	3.3	82
17	Permafrost is warming at a global scale. Nature Communications, 2019, 10, 264.	5.8	1,039
18	Holocene development and permafrost history in subâ€arctic peatlands in Tavvavuoma, northern Sweden. Boreas, 2018, 47, 454-468.	1.2	12

#	Article	IF	Citations
19	Holocene development of subarctic permafrost peatlands in Finnmark, northern Norway. Holocene, 2018, 28, 1855-1869.	0.9	17
20	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. Nature Climate Change, 2018, 8, 907-913.	8.1	188
21	Permafrost Map for Norway, Sweden and Finland. Permafrost and Periglacial Processes, 2017, 28, 359-378.	1.5	92
22	PeRL: aÂcircum-Arctic Permafrost Region Pond andÂLakeÂdatabase. Earth System Science Data, 2017, 9, 317-348.	3.7	62
23	Permafrost Warming in a Subarctic Peatland â€“ Which Meteorological Controls are Most Important?. Permafrost and Periglacial Processes, 2016, 27, 177-188.	1.5	41
24	Thermal effects of groundwater flow through subarctic fens: A case study based on field observations and numerical modeling. Water Resources Research, 2016, 52, 1591-1606.	1.7	79
25	Effects of permafrost aggradation on peat properties as determined from a panâ€Arctic synthesis of plant macrofossils. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 78-94.	1.3	92
26	Circumpolar distribution and carbon storage of thermokarst landscapes. Nature Communications, 2016, 7, 13043.	5.8	343
27	A database and synthesis of northern peatland soil properties and Holocene carbon and nitrogen accumulation. Holocene, 2014, 24, 1028-1042.	0.9	404
28	Expert assessment of vulnerability of permafrost carbon to climate change. Climatic Change, 2013, 119, 359-374.	1.7	257
29	Warming-induced destabilization of peat plateau/thermokarst lake complexes. Journal of Geophysical Research, 2011, 116, .	3.3	107
30	The thermal state of permafrost in the nordic area during the international polar year 2007â€“2009. Permafrost and Periglacial Processes, 2010, 21, 156-181.	1.5	257
31	High-resolution remote sensing identification of thermokarst lake dynamics in a subarctic peat plateau complex. Canadian Journal of Remote Sensing, 2010, 36, S26-S40.	1.1	31
32	Stable carbon and oxygen isotopes in Sphagnum fuscum peat from subarctic Canada: Implications for palaeoclimate studies. Chemical Geology, 2010, 270, 216-226.	1.4	46
33	Long-term climate variability in continental subarctic Canada: A 6200-year record derived from stable isotopes in peat. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 298, 235-246.	1.0	20
34	Holocene peat growth and decay dynamics in subâ€arctic peat plateaus, westâ€central Canada. Boreas, 2009, 38, 13-24.	1.2	51
35	Long-term stability of permafrost in subarctic peat plateaus, west-central Canada. Holocene, 2008, 18, 589-601.	0.9	36