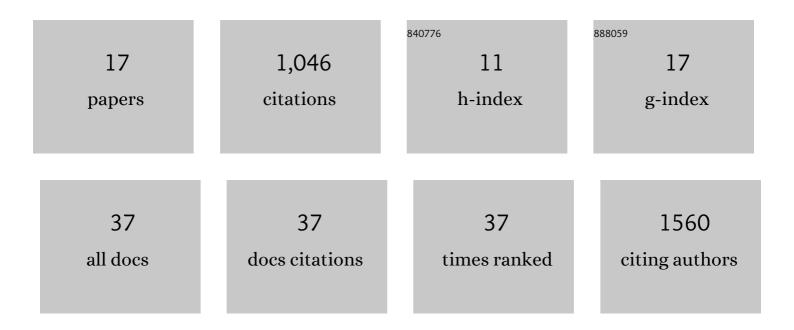
Cathy J Wilson

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2344790/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Pan-Arctic ice-wedge degradation in warming permafrost and its influence on tundra hydrology. Nature Geoscience, 2016, 9, 312-318.	12.9	527
2	Integrated surface/subsurface permafrost thermal hydrology: Model formulation and proofâ€ofâ€concept simulations. Water Resources Research, 2016, 52, 6062-6077.	4.2	102
3	Modeling the role of preferential snow accumulation in through talik development and hillslope groundwater flow in a transitional permafrost landscape. Environmental Research Letters, 2018, 13, 105006.	5.2	90
4	Soil moisture and hydrology projections of the permafrost region – a model intercomparison. Cryosphere, 2020, 14, 445-459.	3.9	85
5	Influences and interactions of inundation, peat, and snow on active layer thickness. Geophysical Research Letters, 2016, 43, 5116-5123.	4.0	49
6	Active layer thickness as a function of soil water content. Environmental Research Letters, 2021, 16, 055028.	5.2	35
7	Large uncertainty in permafrost carbon stocks due to hillslope soil deposits. Geophysical Research Letters, 2017, 44, 6134-6144.	4.0	31
8	Pathways and transformations of dissolved methane and dissolved inorganic carbon in Arctic tundra watersheds: Evidence from analysis of stable isotopes. Global Biogeochemical Cycles, 2015, 29, 1893-1910.	4.9	30
9	Brief communication: Rapid machine-learning-based extraction and measurement of ice wedge polygons in high-resolution digital elevation models. Cryosphere, 2019, 13, 237-245.	3.9	24
10	lsotopic identification of soil and permafrost nitrate sources in an Arctic tundra ecosystem. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1000-1017.	3.0	22
11	Evapotranspiration across plant types and geomorphological units in polygonal Arctic tundra. Journal of Hydrology, 2017, 553, 816-825.	5.4	15
12	Understanding the relative importance of vertical and horizontal flow in ice-wedge polygons. Hydrology and Earth System Sciences, 2020, 24, 1109-1129.	4.9	9
13	Estimation of subsurface porosities and thermal conductivities of polygonal tundra by coupled inversion of electrical resistivity, temperature, and moisture content data. Cryosphere, 2020, 14, 77-91.	3.9	7
14	New insights into the drainage of inundated ice-wedge polygons using fundamental hydrologic principles. Cryosphere, 2021, 15, 4005-4029.	3.9	3
15	High nitrate variability on an Alaskan permafrost hillslope dominated by alder shrubs. Cryosphere, 2022, 16, 1889-1901.	3.9	3
16	Age and chemistry of dissolved organic carbon reveal enhanced leaching of ancient labile carbon at the permafrost thaw zone. Biogeosciences, 2022, 19, 1211-1223.	3.3	2
17	The importance of freeze–thaw cycles for lateral tracer transport in ice-wedge polygons. Cryosphere, 2022, 16, 851-862.	3.9	1