Hanne Hvidtfeldt Christiansen

List of Publications by Year
in descending order

66 papers	2,966 citations	201575 27 h-index	168321 53 g-index
67 all docs	67 docs citations	67 times ranked	3289 citing authors

#	Article	IF	Citations
1	Permafrost thermal state in the polar Northern Hemisphere during the international polar year 2007â€“2009: a synthesis. Permafrost and Periglacial Processes, 2010, 21, 106-116.	1.5	625
2	Permafrost and climate in Europe: Monitoring and modelling thermal, geomorphological and geotechnical responses. Earth-Science Reviews, 2009, 92, 117-171.	4.0	499
3	High nitrous oxide production from thawing permafrost. Nature Geoscience, 2010, 3, 332-335.	5.4	141
4	Permafrost Map for Norway, Sweden and Finland. Permafrost and Periglacial Processes, 2017, 28, 359-378.	1.5	92
5	Seasonal dynamics of a permafrost landscape, Adventdalen, Svalbard, investigated by InSAR. Remote Sensing of Environment, 2019, 231, 111236.	4.6	83
6	Thermal regime of ice-wedge cracking in Adventdalen, Svalbard. Permafrost and Periglacial Processes, 2005, 16, 87-98.	1.5	74
7	Holocene environmental reconstruction from deltaic deposits in northeast Greenland. Journal of Quaternary Science, 2002, 17, 145-160.	1.1	67
8	Nivation forms and processes in unconsolidated sediments, NE Greenland. Earth Surface Processes and Landforms, 1998, 23, 751-760.	1.2	66
9	Global Climate. Bulletin of the American Meteorological Society, 2020, 101, S9-S128.	1.7	61
10	â€˜Little Ice Ageâ€™ nivation activity in northeast Greenland. Holocene, 1998, 8, 719-728.	0.9	58
11	A field-based model of permafrost-controlled rockslide deformation in northern Norway. Geomorphology, 2014, 208, 34-49.	1.1	57
12	Avalanche-derived rock glaciers in Svalbard. Permafrost and Periglacial Processes, 2007, 18, 75-88.	1.5	55
13	Mountain climate and periglacial phenomena in the Faeroe Islands. Permafrost and Periglacial Processes, 1998, 9, 189-211.	1.5	49
14	Topographical and meteorological control on snow avalanching in the Longyearbyen area, central Svalbard 2006â€“2009. Geomorphology, 2011, 134, 186-196.	1.1	47
15	Arctic rockwall retreat rates estimated using laboratoryâ€calibrated ERT measurements of talus cones in Longyeardalen, Svalbard. Earth Surface Processes and Landforms, 2012, 37, 1542-1555.	1.2	47
16	Geomorphological and cryostratigraphical analyses of the Zackenberg Valley, NE Greenland and significance of Holocene alluvial fans. Geomorphology, 2018, 303, 504-523.	1.1	40
17	Late Quaternary sedimentation and permafrost development inÂa Svalbard fjordâ€valley, Norwegian high Arctic. Sedimentology, 2018, 65, 2531-2558.	1.6	37
18	Active layer thickening and controls on interannual variability in the Nordic Arctic compared to the circumâ€Arctic. Permafrost and Periglacial Processes, 2021, 32, 47-58.	1.5	37

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19	Global Climate. Bulletin of the American Meteorological Society, 2021, 102, S11-S142.	1.7	36
20	Central Svalbard 2000â€“2011 Meteorological Dynamics and Periglacial Landscape Response. Arctic, Antarctic, and Alpine Research, 2013, 45, 6-18.	0.4	35
21	Combined Geophysical Measurements Provide Evidence for Unfrozen Water in Permafrost in the Adventdalen Valley in Svalbard. Geophysical Research Letters, 2018, 45, 7606-7614.	1.5	34
22	The â€œHigh Arctic Maritime Snow Climateâ€•in Central Svalbard. Arctic, Antarctic, and Alpine Research, 2011, 43, 11-21.	0.4	33
23	Field instrumentation for real-time monitoring of periglacial solifluction. Permafrost and Periglacial Processes, 2007, 18, 105-114.	1.5	31
24	Meteorological effects on seasonal displacements of the Ã…knes rockslide, western Norway. Landslides, 2011, 8, 1-15.	2.7	31
25	Soil moisture redistribution and its effect on inter-annual active layer temperature and thickness variations in a dry loess terrace in Adventdalen, Svalbard. Cryosphere, 2017, 11, 635-651.	1.5	31
26	Windpolished boulders as indicators of a late Weichselian wind regime in Denmark in relation to neighbouring areas. Permafrost and Periglacial Processes, 1998, 9, 1-21.	1.5	30
27	Snow-cover depth, distribution and duration data from northeast Greenland obtained by continuous automatic digital photography. Annals of Glaciology, 2001, 32, 102-108.	2.8	29
28	Iceâ€•and Soilâ€Wedge Dynamics in the Kapp LinnÃ© Area, Svalbard, Investigated by Twoâ€•and Threeâ€Dimensional GPR and Ground Thermal and Acceleration Regimes. Permafrost and Periglacial Processes, 2013, 24, 39-55.	1.5	29
29	Meteorological control on interannual spatial and temporal variations in snow cover and ground thawing in two northeast Greenlandic Circumpolar-Active-Layer-Monitoring(CALM) sites. Permafrost and Periglacial Processes, 2004, 15, 155-169.	1.5	26
30	Permafrost in the Gruve-7 mine, Adventdalen, Svalbard. Norsk Geografisk Tidsskrift, 2005, 59, 109-115.	0.3	26
31	The Role of Interannual Climate Variability in Controlling Solifluction Processes, Endalen, Svalbard. Permafrost and Periglacial Processes, 2011, 22, 239-253.	1.5	26
32	Land cover classification using highâ€•resolution aerial photography in adventdalen, svalbard. Geografiska Annaler, Series A: Physical Geography, 2015, 97, 473-488.	0.6	26
33	Snowpack fluxes of methane and carbon dioxide from high Arctic tundra. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2886-2900.	1.3	26
34	Progress in Understanding the Dynamics, Internal Structure and Palaeoenvironmental Potential of Ice Wedges and Sand Wedges. Permafrost and Periglacial Processes, 2016, 27, 365-376.	1.5	25
35	Glacial History and Periglacial Landforms of the Zackenberg area, Northeast Greenland: Preliminary results. Geografisk Tidsskrift, 1993, 93, 19-29.	0.4	24
36	Cryostratigraphy, sedimentology, and the late Quaternary evolution of the Zackenberg River delta, northeast Greenland. Cryosphere, 2017, 11, 1265-1282.	1.5	23

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37	Iceâ€wedge polygon dynamics in Svalbard: Lessons from a decade of automated multiâ€sensor monitoring. Permafrost and Periglacial Processes, 2018, 29, 210-227.	1.5	20
38	Observations of Open System Pingos in a Marsh Environment, Mellemfjord, Disko, Central West Greenland. Geografisk Tidsskrift, 1995, 95, 42-48.	0.4	19
39	Snow cornice dynamics as a control on plateau edge erosion in central Svalbard. Earth Surface Processes and Landforms, 2013, 38, 466-476.	1.2	19
40	Toward a statistical description of methane emissions from arctic wetlands. Ambio, 2017, 46, 70-80.	2.8	19
41	Seasonal Dynamics of Methane and Carbon Dioxide Evasion From an Open System Pingo: Lagoon Pingo, Svalbard. Frontiers in Earth Science, 2019, 7, .	0.8	19
42	Effects of nivation on periglacial landscape evolution in western Jutland, Denmark. Permafrost and Periglacial Processes, 1996, 7, 111-138.	1.5	18
43	Moraine Systems in the Faroe Islands: Glaciological and Climatological Implications. Geografisk Tidsskrift, 1996, 96, 21-31.	0.4	18
44	Sub-permafrost methane seepage from open-system pingos in Svalbard. Cryosphere, 2020, 14, 3829-3842.	1.5	18
45	Mudboil and iceâ€wedge dynamics investigated by electrical resistivity tomography, ground temperatures and surface movements in svalbard. Geografiska Annaler, Series A: Physical Geography, 2012, 94, 445-457.	0.6	16
46	Seasonal Arctic Coastal Bluff Dynamics in Adventfjorden, Svalbard. Permafrost and Periglacial Processes, 2017, 28, 18-31.	1.5	14
47	Soil Physical and Environmental Conditions Controlling Patterned-Ground Variability at a Continuous Permafrost Site, Svalbard. Permafrost and Periglacial Processes, 2017, 28, 433-445.	1.5	14
48	Detection of Ice Wedge Cracking in Permafrost Using Miniature Accelerometers. Journal of Geophysical Research F: Earth Surface, 2018, 123, 642-657.	1.0	14
49	The geomorphological context and significance of windâ€abraded gravels, boulders and outcrops from the coast of Scotland. Scottish Geographical Journal, 2002, 118, 41-57.	0.4	13
50	Comparison of geomorphological field mapping and 2Dâ€InSAR mapping of periglacial landscape activity at Nordnesfjellet, northern Norway. Earth Surface Processes and Landforms, 2018, 43, 2147-2156.	1.2	13
51	Seasonal InSAR Displacements Documenting the Active Layer Freeze and Thaw Progression in Central-Western Spitsbergen, Svalbard. Remote Sensing, 2021, 13, 2977.	1.8	11
52	Holocene slope processes and landforms in the northern Faroe Islands. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2007, 98, 1-13.	0.3	10
53	A Compilation of Radiocarbon Dates from Disko Bugt, Central West Greenland/Meteorological Observations in 1996 at the Arctic Station, Qeqertarsuaq (Godhavn), Central West Greenland/A Discussion on Pingos in Mellemfjord, Disko, Central West Greenland/Open System Pingos in Mellemfjord, Disko, Central West Greenland: A Reply to Gurney and Worsley. Geografisk Tidsskrift, 1997, 97, 143-159.	0.4	9
54	Windpolish evidence: an important direct indicator of geomorphologically active palaeo-winds. A reply to the discussion by Vandenberghe, Isarin and Renssen. Permafrost and Periglacial Processes, 1999, 10, 203-204.	1.5	9

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55	Meteorological observations 1998 at the arctic station, Qeqertarsuaq (69Â°15'N), Central West Greenland/Active layer monitoring in two Greenlandic permafrost areas: Zackenberg and Disko Island. Geografisk Tidsskrift, 1999, 99, 113-121.	0.4	7
56	Report from the International Permafrost Association. Permafrost and Periglacial Processes, 2006, 17, 377-379.	1.5	6
57	Lowland periglacial research: a review of published advances 2003â€“2007. Permafrost and Periglacial Processes, 2008, 19, 211-235.	1.5	6
58	Characterization, Geometry, Temporal Evolution and Controlling Mechanisms of the Jettan Rock-Slide, Northern Norway. , 2015, , 273-278.		4
59	Late Weichselian Periglacial Landforms in the Bjergsted area, north-western Zealand, Denmark. Geografisk Tidsskrift, 1993, 93, 39-48.	0.4	3
60	Report from the International Permafrost Association: education and outreach for the International Polar Year. Permafrost and Periglacial Processes, 2007, 18, 209-213.	1.5	3
61	Report from the international permafrost association: Third european conference on permafrost (EUCOP III) in Longyearbyen, Svalbard. Permafrost and Periglacial Processes, 2010, 21, 366-369.	1.5	2
62	Radium isotope fingerprinting of permafrost â€•applications to thawing and intraâ€permafrost processes. Permafrost and Periglacial Processes, 2019, 30, 104-112.	1.5	2
63	Mountain climate and periglacial phenomena in the Faeroe Islands. Permafrost and Periglacial Processes, 1998, 9, 189-211.	1.5	2
64	Windpolished boulders as indicators of a late Weichselian wind regime in Denmark in relation to neighbouring areas. Permafrost and Periglacial Processes, 1998, 9, 1-21.	1.5	1
65	Report from the International Permafrost Association: Increasing regional activities on a global scale. Permafrost and Periglacial Processes, 2019, 30, 121-125.	1.5	0
66	Report from the International Permafrost Association: First Regional Conference on Permafrost in the Southern Hemisphere and future activities. Permafrost and Periglacial Processes, 2020, 31, 454-457.	1.5	0