Ketil Isaksen

List of Publications by Citations

73 papers	4,193 citations	35 h-index	64 g-index
90 ext. papers	5,076 ext. citations	4.3 avg, IF	5.28 L-index

#	Paper	IF	Citations
73	Permafrost is warming at a global scale. *Nature Communications*, **2019**, 10, 264	17.4	518
72	Permafrost and climate in Europe: Monitoring and modelling thermal, geomorphological and geotechnical responses. *Earth-Science Reviews*, **2009**, 92, 117-171	10.2	419
71	The thermal state of permafrost in the nordic area during the international polar year 2007–2009. *Permafrost and Periglacial Processes*, **2010**, 21, 156-181	4.2	210
70	Long-term temperature trends and variability on Spitsbergen: the extended Svalbard Airport temperature series, 1898–2012. *Polar Research*, **2014**, 33, 21349	2	166
69	Warming permafrost in European mountains. *Global and Planetary Change*, **2003**, 39, 215-225	4.2	159
68	Warmer and wetter winters: characteristics and implications of an extreme weather event in the High Arctic. *Environmental Research Letters*, **2014**, 9, 114021	6.2	135
67	State of the Climate in 2017. *Bulletin of the American Meteorological Society*, **2018**, 99, Si-S310	6.1	127
66	Recent warming of mountain permafrost in Svalbard and Scandinavia. *Journal of Geophysical Research*, **2007**, 112,		115
65	State of the Climate in 2015. *Bulletin of the American Meteorological Society*, **2016**, 97, Si-S275	6.1	114
64	Mountain permafrost: development and challenges of a young research field. *Journal of Glaciology*, **2010**, 56, 1043-1058	3.4	113
63	Three deep Alpine-permafrost boreholes in Svalbard and Scandinavia. *Permafrost and Periglacial Processes*, **2001**, 12, 13-25	4.2	103
62	Mountain permafrost distribution in Dovrefjell and Jotunheimen, southern Norway, based on BTS and DC resistivity tomography data. *Norsk Geografisk Tidsskrift*, **2002**, 56, 122-136	0.9	94
61	Derivation of a new continuous adjustment function for correcting wind-induced loss of solid precipitation: results of a Norwegian field study. *Hydrology and Earth System Sciences*, **2015**, 19, 951-967	5.5	85
60	Composition, flow and development of two tongue-shaped rock glaciers in the permafrost of Svalbard. *Permafrost and Periglacial Processes*, **2000**, 11, 241-257	4.2	82
59	Recent warming on Spitsbergen—Influence of atmospheric circulation and sea ice cover. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 11,913	4.4	81
58	The quantification and correction of wind-induced precipitation measurement errors. *Hydrology and Earth System Sciences*, **2017**, 21, 1973-1989	5.5	80
57	Climate and environmental change drives Ixodes ricinus geographical expansion at the northern range margin. *Parasites and Vectors*, **2014**, 7, 11	4	77

56	Changes in Winter Warming Events in the Nordic Arctic Region. *Journal of Climate*, **2016**, 29, 6223-6244	4.4	74
55	Degrading Mountain Permafrost in Southern Norway: Spatial and Temporal Variability of Mean Ground Temperatures, 1999–2009. *Permafrost and Periglacial Processes*, **2011**, 22, 361-377	4.2	71
54	Modeling the temperature evolution of Svalbard permafrost during the 20th and 21st century. *Cryosphere*, **2011**, 5, 67-79	5.5	70
53	Rock Glaciers on Prins Karls Forland. II: GPR Soundings and the Development of Internal Structures. *Permafrost and Periglacial Processes*, **2000**, 11, 357-369	4.2	67
52	Permafrost Map for Norway, Sweden and Finland. *Permafrost and Periglacial Processes*, **2017**, 28, 359-378	4.2	64
51	Analysis of single-Alter-shielded and unshielded measurements of mixed and solid precipitation from WMO-SPICE. *Hydrology and Earth System Sciences*, **2017**, 21, 3525-3542	5.5	59
50	Prevalence of tick borne encephalitis virus in tick nymphs in relation to climatic factors on the southern coast of Norway. *Parasites and Vectors*, **2012**, 5, 177	4	59
49	Recent extreme near-surface permafrost temperatures on Svalbard in relation to future climate scenarios. *Geophysical Research Letters*, **2007**, 34,	4.9	58
48	Geophysical surveys designed to delineate the altitudinal limit of mountain permafrost: an example from Jotunheimen, Norway. *Permafrost and Periglacial Processes*, **2004**, 15, 191-205	4.2	55
47	Ground surface-temperature reconstruction based on data from a deep borehole in permafrost at Janssonhaugen, Svalbard. *Annals of Glaciology*, **2000**, 31, 287-294	2.5	53
46	A statistical approach to represent small-scale variability of permafrost temperatures due to snow cover. *Cryosphere*, **2014**, 8, 2063-2074	5.5	49
45	Mapping and modelling the occurrence and distribution of mountain permafrost. *Norsk Geografisk Tidsskrift*, **2001**, 55, 186-194	0.9	49
44	Air and Ground Temperature Variations Observed along Elevation and Continentality Gradients in Southern Norway. *Permafrost and Periglacial Processes*, **2011**, 22, 343-360	4.2	48
43	Applicability of frequency-domain and time-domain electromagnetic methods for mountain permafrost studies. *Permafrost and Periglacial Processes*, **2001**, 12, 39-52	4.2	48
42	Ground Thermal Regime and Permafrost Distribution under a Changing Climate in Northern Norway. *Permafrost and Periglacial Processes*, **2013**, 24, 20-38	4.2	45
41	Fatal pneumonia epizootic in musk ox (Ovibos moschatus) in a period of extraordinary weather conditions. *EcoHealth*, **2008**, 5, 213-23	3.1	45
40	Air temperature variations and gradients along the coast and fjords of western Spitsbergen. *Polar Research*, **2016**, 35, 29878	2	42
39	Recent Acceleration of a Rock Glacier Complex, Ádjet, Norway, Documented by 62 Years of Remote Sensing Observations. *Geophysical Research Letters*, **2018**, 45, 8314-8323	4.9	35

38	Solifluction processes in an area of seasonal ground freezing, Dovrefjell, Norway. *Permafrost and Periglacial Processes*, **2008**, 19, 31-47	4.2	34
37	Deep permafrost boreholes in western Svalbard, northern Sweden and southern Norway. *Norsk Geografisk Tidsskrift*, **2000**, 54, 186-191	0.9	31
36	Hair-loss epizootic in moose (Alces alces) associated with massive deer ked (Lipoptena cervi) infestation. *Journal of Wildlife Diseases*, **2011**, 47, 893-906	1.3	28
35	Spatial and temporal variations of Norwegian geohazards in a changing climate, the GeoExtreme Project. *Natural Hazards and Earth System Sciences*, **2008**, 8, 893-904	3.9	28
34	Testing and development of transfer functions for weighing precipitation gauges in WMO-SPICE. *Hydrology and Earth System Sciences*, **2018**, 22, 1437-1452	5.5	28
33	Field instrumentation for real-time monitoring of periglacial solifluction. *Permafrost and Periglacial Processes*, **2007**, 18, 105-114	4.2	27
32	Spatiotemporal patterns of rain-on-snow and basal ice in high Arctic Svalbard: detection of a climate-cryosphere regime shift. *Environmental Research Letters*, **2019**, 14, 015002	6.2	27
31	Geometry and dynamics of two lobe-shaped rock glaciers in the permafrost of Svalbard. *Norsk Geografisk Tidsskrift*, **2002**, 56, 152-160	0.9	25
30	Changes in meteorological variables that can trigger natural hazards in Norway. *Climate Research*, **2012**, 55, 153-165	1.6	22
29	Twenty years of European mountain permafrost dynamics—the PACE legacy. *Environmental Research Letters*, **2020**, 15, 104070	6.2	22
28	Climate change and projections for the Barents region: what is expected to change and what will stay the same?. *Environmental Research Letters*, **2016**, 11, 054017	6.2	22
27	Comparison of BTS and Landsat TM data from Jotunheimen, southern Norway. *Norsk Geografisk Tidsskrift*, **1999**, 53, 226-233	0.9	21
26	The climatic significance of artefacts related to prehistoric reindeer hunting exposed at melting ice patches in southern Norway. *Holocene*, **2012**, 22, 485-496	2.6	19
25	Digital necrobacillosis in Norwegian wild tundra reindeer (Rangifer tarandus tarandus). *Journal of Comparative Pathology*, **2010**, 143, 29-38	1	18
24	Terrain analyses and surface velocity measurements of the Hiorthfjellet rock glacier, Svalbard. *Permafrost and Periglacial Processes*, **2003**, 14, 359-365	4.2	18
23	Climate change threatens archaeologically significant ice patches: insights into their age, internal structure, mass balance and climate sensitivity. *Cryosphere*, **2017**, 11, 17-32	5.5	16
22	The changing thermal state of permafrost. *Nature Reviews Earth & Environment*, **2022**, 3, 10-23	30.2	16
21	Permafrost distribution in steep rock slopes in Norway: measurements, statistical modelling and implications for geomorphological processes. *Earth Surface Dynamics*, **2019**, 7, 1019-1040	3.8	16

20	Measurements of wind-induced loss of solid precipitation: description of a Norwegian field study **2013**, 44, 35-43		15
19	Revisiting the extended Svalbard Airport monthly temperature series, and the compiled corresponding daily series 1898–2018. *Polar Research*, **2020**, 39,	2	14
18	Composition and internal structures of a rock glacier on the strandflat of western Spitsbergen, Svalbard. *Norsk Geografisk Tidsskrift*, **2005**, 59, 139-148	0.9	13
17	Ground thermal and geomechanical conditions in a permafrost-affected high-latitude rock avalanche site (Polvartinden, northern Norway). *Cryosphere*, **2018**, 12, 1531-1550	5.5	10
16	Measured and Modeled Historical Precipitation Trends for Svalbard. *Journal of Hydrometeorology*, **2020**, 21, 1279-1296	3.7	8
15	and infections in Norwegian wild reindeer and red deer populations in relation to summer pasture altitude and climate. *International Journal for Parasitology: Parasites and Wildlife*, **2019**, 10, 188-195	2.6	7
14	Single Causative Factor for Severe Pneumonia Epizootics in Muskoxen?. *EcoHealth*, **2015**, 12, 395-7	3.1	6
13	The Oslo temperature series 1837–2012: homogeneity testing and temperature analysis. *International Journal of Climatology*, **2015**, 35, 3486-3504	3.5	5
12	Derivation of a new continuous adjustment function for correcting wind-induced loss of solid precipitation: results of a Norwegian field study		4
11	A statistical approach to represent small-scale variability of permafrost temperatures due to snow cover		4
10	Present and future changes in winter climate indices relevant for access disruptions in Troms, northern Norway. *Natural Hazards and Earth System Sciences*, **2020**, 20, 1847-1865	3.9	3
9	Present and future changes in winter climate indices relevant for access disruptions in Troms, northern Norway **2019**,		2
8	Impacts of extreme weather events on transport infrastructure in Norway		2
7	Errors and adjustments for single-Alter shielded and unshielded weighing gauge precipitation measurements from WMO-SPICE		2
6	GPR soundings of rock glaciers on Svalbard172-177		1
5	Modelling past and future permafrost conditions in Svalbard		1
4	Sea ice metadata for Billefjorden and Grnfjorden, Svalbard. *Czech Polar Reports*, **2014**, 4, 129-139	0.8	1
3	Comparative analysis of Russian and Norwegian precipitation gauges, measurements in Barentsburg, Western Spitsbergen. *Czech Polar Reports*, **2017**, 7, 45-51	0.8	1

2	Assessment of long-term changes in the surface air temperature from the High Arctic archipelago Franz Joseph Land from 1929 to the present (2017). *Czech Polar Reports*, **2021**, 11, 114-133	0.8	0
1	The impact of weather conditions on everyday cycling with different bike types in parents of young children participating in the CARTOBIKE randomized controlled trial. *International Journal of Sustainable Transportation*,1-8	3.6	0