

Ketil Isaksen

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

5,982
citations

76326

40
h-index

95266

68
g-index

90
all docs

90
docs citations

90
times ranked

5979
citing authors

#	ARTICLE	IF	CITATIONS
1	Permafrost is warming at a global scale. <i>Nature Communications</i> , 2019, 10, 264.	12.8	1,039
2	Permafrost and climate in Europe: Monitoring and modelling thermal, geomorphological and geotechnical responses. <i>Earth-Science Reviews</i> , 2009, 92, 117-171.	9.1	499
3	The thermal state of permafrost in the nordic area during the international polar year 2007â€“2009. <i>Permafrost and Periglacial Processes</i> , 2010, 21, 156-181.	3.4	257
4	Long-term temperature trends and variability on Spitsbergen: the extended Svalbard Airport temperature series, 1898â€“2012. <i>Polar Research</i> , 2014, 33, 21349.	1.6	204
5	Warming permafrost in European mountains. <i>Global and Planetary Change</i> , 2003, 39, 215-225.	3.5	186
6	Warmer and wetter winters: characteristics and implications of an extreme weather event in the High Arctic. <i>Environmental Research Letters</i> , 2014, 9, 114021.	5.2	179
7	State of the Climate in 2017. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, Si-S310.	3.3	160
8	Mountain permafrost: development and challenges of a young research field. <i>Journal of Glaciology</i> , 2010, 56, 1043-1058.	2.2	147
9	State of the Climate in 2015. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, Si-S275.	3.3	142
10	Recent warming of mountain permafrost in Svalbard and Scandinavia. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	139
11	Derivation of a new continuous adjustment function for correcting wind-induced loss of solid precipitation: results of a Norwegian field study. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 951-967.	4.9	132
12	The changing thermal state of permafrost. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 10-23.	29.7	127
13	Three deep Alpine-permafrost boreholes in Svalbard and Scandinavia. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 13-25.	3.4	121
14	The quantification and correction of wind-induced precipitation measurement errors. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1973-1989.	4.9	119
15	Recent warming on Spitsbergenâ€™ Influence of atmospheric circulation and sea ice cover. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,913.	3.3	112
16	Changes in Winter Warming Events in the Nordic Arctic Region. <i>Journal of Climate</i> , 2016, 29, 6223-6244.	3.2	109
17	Analysis of single-Alter-shielded and unshielded measurements of mixed and solid precipitation from WMO-SPICE. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3525-3542.	4.9	108
18	Climate and environmental change drives <i>Ixodes ricinus</i> geographical expansion at the northern range margin. <i>Parasites and Vectors</i> , 2014, 7, 11.	2.5	107

#	ARTICLE	IF	CITATIONS
19	Mountain permafrost distribution in Dovrefjell and Jotunheimen, southern Norway, based on BTS and DC resistivity tomography data. Norsk Geografisk Tidsskrift, 2002, 56, 122-136.	0.7	105
20	Permafrost Map for Norway, Sweden and Finland. Permafrost and Periglacial Processes, 2017, 28, 359-378.	3.4	92
21	Composition, flow and development of two tongue-shaped rock glaciers in the permafrost of Svalbard. Permafrost and Periglacial Processes, 2000, 11, 241-257.	3.4	89
22	Degrading Mountain Permafrost in Southern Norway: Spatial and Temporal Variability of Mean Ground Temperatures, 1999–2009. Permafrost and Periglacial Processes, 2011, 22, 361-377.	3.4	87
23	Modeling the temperature evolution of Svalbard permafrost during the 20th and 21st century. Cryosphere, 2011, 5, 67-79.	3.9	81
24	A statistical approach to represent small-scale variability of permafrost temperatures due to snow cover. Cryosphere, 2014, 8, 2063-2074.	3.9	78
25	Rock Glaciers on Prins Karls Forland. II: GPR Soundings and the Development of Internal Structures. Permafrost and Periglacial Processes, 2000, 11, 357-369.	3.4	77
26	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.	2.5	74
27	Exceptional warming over the Barents area. Scientific Reports, 2022, 12, .	3.3	73
28	Recent extreme near-surface permafrost temperatures on Svalbard in relation to future climate scenarios. Geophysical Research Letters, 2007, 34, .	4.0	71
29	Geophysical surveys designed to delineate the altitudinal limit of mountain permafrost: an example from Jotunheimen, Norway. Permafrost and Periglacial Processes, 2004, 15, 191-205.	3.4	68
30	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.	5.2	64
31	Ground surface-temperature reconstruction based on data from a deep borehole in permafrost at Janssonhaugen, Svalbard. Annals of Glaciology, 2000, 31, 287-294.	1.4	62
32	Air and Ground Temperature Variations Observed along Elevation and Continentality Gradients in Southern Norway. Permafrost and Periglacial Processes, 2011, 22, 343-360.	3.4	59
33	Ground Thermal Regime and Permafrost Distribution under a Changing Climate in Northern Norway. Permafrost and Periglacial Processes, 2013, 24, 20-38.	3.4	57
34	Mapping and modelling the occurrence and distribution of mountain permafrost. Norsk Geografisk Tidsskrift, 2001, 55, 186-194.	0.7	56
35	Air temperature variations and gradients along the coast and fjords of western Spitsbergen. Polar Research, 2016, 35, 29878.	1.6	55
36	Applicability of frequency-domain and time-domain electromagnetic methods for mountain permafrost studies. Permafrost and Periglacial Processes, 2001, 12, 39-52.	3.4	54

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37	Testing and development of transfer functions for weighing precipitation gauges in WMO-SPICE. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1437-1452.	4.9	54
38	Fatal Pneumonia Epizootic in Musk Ox (<i>Ovibos moschatus</i>) in a Period of Extraordinary Weather Conditions. <i>EcoHealth</i> , 2008, 5, 213-223.	2.0	50
39	Twenty years of European mountain permafrost dynamics—the PACE legacy. <i>Environmental Research Letters</i> , 2020, 15, 104070.	5.2	50
40	Recent Acceleration of a Rock Glacier Complex, Ådjet, Norway, Documented by 62 Years of Remote Sensing Observations. <i>Geophysical Research Letters</i> , 2018, 45, 8314-8323.	4.0	49
41	Solifluction processes in an area of seasonal ground freezing, Dovrefjell, Norway. <i>Permafrost and Periglacial Processes</i> , 2008, 19, 31-47.	3.4	39
42	Revisiting the extended Svalbard Airport monthly temperature series, and the compiled corresponding daily series 1898–2018. <i>Polar Research</i> , 2020, 39, .	1.6	39
43	HAIR-LOSS EPIZOOTIC IN MOOSE (<i>ALCES ALCES</i>) ASSOCIATED WITH MASSIVE DEER KED (<i>LIPOPTENA CERVI</i>) INFESTATION. <i>Journal of Wildlife Diseases</i> , 2011, 47, 893-906.	0.8	38
44	Deep permafrost boreholes in western Svalbard, northern Sweden and southern Norway. <i>Norsk Geografisk Tidsskrift</i> , 2000, 54, 186-191.	0.7	36
45	Spatial and temporal variations of Norwegian geohazards in a changing climate, the GeoExtreme Project. <i>Natural Hazards and Earth System Sciences</i> , 2008, 8, 893-904.	3.6	35
46	The climatic significance of artefacts related to prehistoric reindeer hunting exposed at melting ice patches in southern Norway. <i>Holocene</i> , 2012, 22, 485-496.	1.7	32
47	Geometry and dynamics of two lobe-shaped rock glaciers in the permafrost of Svalbard. <i>Norsk Geografisk Tidsskrift</i> , 2002, 56, 152-160.	0.7	31
48	Field instrumentation for real-time monitoring of periglacial solifluction. <i>Permafrost and Periglacial Processes</i> , 2007, 18, 105-114.	3.4	31
49	Climate change and projections for the Barents region: what is expected to change and what will stay the same?. <i>Environmental Research Letters</i> , 2016, 11, 054017.	5.2	28
50	Permafrost distribution in steep rock slopes in Norway: measurements, statistical modelling and implications for geomorphological processes. <i>Earth Surface Dynamics</i> , 2019, 7, 1019-1040.	2.4	28
51	Digital Necrobacillosis in Norwegian Wild Tundra Reindeer (<i>Rangifer tarandus tarandus</i>). <i>Journal of Comparative Pathology</i> , 2010, 143, 29-38.	0.4	24
52	Measurements of wind-induced loss of solid precipitation: description of a Norwegian field study. <i>Hydrology Research</i> , 2013, 44, 35-43.	2.7	24
53	Climate change threatens archaeologically significant ice patches: insights into their age, internal structure, mass balance and climate sensitivity. <i>Cryosphere</i> , 2017, 11, 17-32.	3.9	24
54	Changes in meteorological variables that can trigger natural hazards in Norway. <i>Climate Research</i> , 2012, 55, 153-165.	1.1	24

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55	Comparison of BTS and Landsat TM data from Jotunheimen, southern Norway. Norsk Geografisk Tidsskrift, 1999, 53, 226-233.	0.7	23
56	Terrain analyses and surface velocity measurements of the Hiorthfjellet rock glacier, Svalbard. Permafrost and Periglacial Processes, 2003, 14, 359-365.	3.4	23
57	Composition and internal structures of a rock glacier on the strandflat of western Spitsbergen, Svalbard. Norsk Geografisk Tidsskrift, 2005, 59, 139-148.	0.7	18
58	Ground thermal and geomechanical conditions in a permafrost-affected high-latitude rock avalanche site (Polvartinden, northern Norway). Cryosphere, 2018, 12, 1531-1550.	3.9	18
59	Measured and Modeled Historical Precipitation Trends for Svalbard. Journal of Hydrometeorology, 2020, 21, 1279-1296.	1.9	13
60	Elaphostrongylus and Dictyocaulus 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.	1.5	10
61	The Oslo temperature series 1837-2012: homogeneity testing and temperature analysis. International Journal of Climatology, 2015, 35, 3486-3504.	3.5	7
62	Single Causative Factor for Severe Pneumonia Epizootics in Muskoxen?. EcoHealth, 2015, 12, 395-397.	2.0	6
63	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.	3.6	4
64	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.	0.6	3
65	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, 2023, 17, 128-135.	4.1	3
66	GPR soundings of rock glaciers on Svalbard. , 0, , 172-177.		1
67	Sea ice metadata for Billefjorden and Grnfjorden, Svalbard. Czech Polar Reports, 2014, 4, 129-139.	0.6	1
68	Comparative analysis of Russian and Norwegian precipitation gauges, measurements in Barentsburg, Western Spitsbergen. Czech Polar Reports, 2017, 7, 45-51.	0.6	1
69	Tele i endring. Naturen, 2018, 142, 275-281.	0.0	1