

Kjetil Melvold

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,072
citations

361413

20
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

1247
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Net Mass Balance of the Glaciers and Ice Caps in Svalbard, Norwegian Arctic. <i>Arctic, Antarctic, and Alpine Research</i> , 2003, 35, 264-270.	1.1	149
2	Glaciers in Svalbard: mass balance, runoff and freshwater flux. <i>Polar Research</i> , 2003, 22, 145-159.	1.6	103
3	Evolution of a Surge-Type Glacier in its Quiescent Phase: Kongsvegen, Spitsbergen, 1964-1995. <i>Journal of Glaciology</i> , 1998, 44, 394-404.	2.2	69
4	Flow field of Kronebreen, Svalbard, using repeated Landsat 7 and ASTER data. <i>Annals of Glaciology</i> , 2005, 42, 7-13.	1.4	61
5	Glacier balance trends in the Kongsfjorden area, western Spitsbergen, Svalbard, in relation to the climate. <i>Polar Research</i> , 1999, 18, 307-313.	1.6	60
6	Geometry changes on Svalbard glaciers: mass-balance or dynamic response?. <i>Annals of Glaciology</i> , 2005, 42, 255-261.	1.4	56
7	Small-scale variation of snow in a regional permafrost model. <i>Cryosphere</i> , 2016, 10, 1201-1215.	3.9	56
8	A mean net accumulation pattern derived from radioactive layers and radar soundings on Austfonna, Nordaustlandet, Svalbard. <i>Journal of Glaciology</i> , 2001, 47, 555-566.	2.2	55
9	Integrating a glacier retreat model into a hydrological model - Case studies of three glacierised catchments in Norway and Himalayan region. <i>Journal of Hydrology</i> , 2015, 527, 656-667.	5.4	54
10	The distribution of snow accumulation across the Austfonna ice cap, Svalbard: direct measurements and modelling. <i>Polar Research</i> , 2007, 26, 7-13.	1.6	50
11	Multiscale spatial variability of lidar-derived and modeled snow depth on Hardangervidda, Norway. <i>Annals of Glaciology</i> , 2013, 54, 273-281.	1.4	36
12	Regional Variations of Snow Accumulation on Spitsbergen, Svalbard, 1997-99. <i>Hydrology Research</i> , 2003, 34, 17-32.	2.7	36
13	Langfjordjøkelen, a rapidly shrinking glacier in northern Norway. <i>Journal of Glaciology</i> , 2012, 58, 581-593.	2.2	34
14	The Ice-Free Topography of Svalbard. <i>Geophysical Research Letters</i> , 2018, 45, 11,760.	4.0	32
15	Assessment of interannual variations in the surface mass balance of 18 Svalbard glaciers from the Moderate Resolution Imaging Spectroradiometer/Terra albedo product. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	31
16	Kinematic GPS survey of geometry changes on Svalbard glaciers. <i>Annals of Glaciology</i> , 1997, 24, 157-163.	1.4	29
17	Near Real-Time Measurement of Snow Water Equivalent in the Nepal Himalayas. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	28
18	Long-term trends in water temperature and ice cover in the subalpine lake, Åvre Heimdalsvatn, and nearby lakes and rivers. <i>Hydrobiologia</i> , 2010, 642, 47-60.	2.0	27

#	ARTICLE	IF	CITATIONS
19	Large spatial variation in accumulation rate in Jutulstraumen ice stream, Dronning Maud Land, Antarctica. <i>Annals of Glaciology</i> , 1998, 27, 231-238.	1.4	22
20	Structure, morphology and water flux of a subglacial drainage system, Midtdalsbreen, Norway. <i>Hydrological Processes</i> , 2012, 26, 3810-3829.	2.6	21
21	Trends and patterns in the recent accumulation and oxygen isotopes in coastal Dronning Maud Land, Antarctica: interpretations from shallow ice cores. <i>Annals of Glaciology</i> , 2002, 35, 175-180.	1.4	19
22	A Model Setup for Mapping Snow Conditions in High-Mountain Himalaya. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	18
23	Ground-water intrusions in a mine beneath HÅganesbreen, Svalbard: assessing the possibility of evacuating water subglacially. <i>Annals of Glaciology</i> , 2003, 37, 269-274.	1.4	10
24	Mass balance and hydrological modeling of the HardangerjÅkulen ice cap in south-central Norway. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4275-4297.	4.9	9
25	Subglacial topography of Jutulstraumen outlet glacier, East Antarctica, mapped from ground-penetrating radar, optical and interferometric synthetic aperture radar satellite data. <i>Norsk Geografisk Tidsskrift</i> , 2000, 54, 169-181.	0.7	7