Jacob Clement Yde

List of Publications by Year
in descending order

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69 papers	1,928 citations	201575 27 h-index	302012 39 g-index
75 all docs	75 docs citations	75 times ranked	2319 citing authors

#	Article	IF	Citations
1	Basal ice microbiology at the margin of the Greenland ice sheet. Annals of Glaciology, 2010, 51, 71-79.	2.8	112
2	High export of dissolved silica from the Greenland Ice Sheet. Geophysical Research Letters, 2016, 43, 9173-9182.	1.5	89
3	Greenland precipitation trends in a longâ€term instrumental climate context (1890â€“2012): evaluation of coastal and ice core records. International Journal of Climatology, 2015, 35, 303-320.	1.5	84
4	Meltwater chemistry and solute export from a Greenland Ice Sheet catchment, Watson River, West Greenland. Journal of Hydrology, 2014, 519, 2165-2179.	2.3	64
5	Hydrochemical characteristics of bulk meltwater from an entire ablation season, Longyearbreen, Svalbard. Journal of Glaciology, 2008, 54, 259-272.	1.1	60
6	The Arctic in the Twenty-First Century: Changing Biogeochemical Linkages across a Paraglacial Landscape of Greenland. BioScience, 2017, 67, 118-133.	2.2	60
7	Glacier hydrochemistry, solute provenance, and chemical denudation at a surge-type glacier in Kuannersuit Kuussuat, Disko Island, West Greenland. Journal of Hydrology, 2005, 300, 172-187.	2.3	57
8	Methane flux and high-affinity methanotrophic diversity along the chronosequence of a receding glacier in Greenland. Annals of Glaciology, 2010, 51, 23-31.	2.8	54
9	A new cycle of jÃ¶kulhlaups at Russell Glacier, Kangerlussuaq, West Greenland. Journal of Glaciology, 2011, 57, 238-246.	1.1	52
10	Mass loss and imbalance of glaciers along the Andes Cordillera to the sub-Antarctic islands. Global and Planetary Change, 2015, 133, 109-119.	1.6	52
11	Identification of snow ablation rate, ELA, AAR and net mass balance using transient snowline variations on two Arctic glaciers. Journal of Glaciology, 2013, 59, 649-659.	1.1	50
12	Glacier area changes in the central Chilean and Argentinean Andes 1955â€“2013/14. Journal of Glaciology, 2016, 62, 391-401.	1.1	49
13	20th-century glacier fluctuations on Disko Island (Qeqertarsuaq), Greenland. Annals of Glaciology, 2007, 46, 209-214.	2.8	46
14	Coastal Greenland air temperature extremes and trends 1890â€“2010: annual and monthly analysis. International Journal of Climatology, 2014, 34, 1472-1487.	1.5	46
15	Increasing mass loss from Greenland's Mittivakkat Gletscher. Cryosphere, 2011, 5, 341-348.	1.5	44
16	Reconstructing Climate Change: Not All Glaciers Suitable. Eos, 2010, 91, 189-190.	0.1	43
17	The effect of temperature change on the microbial diversity and community structure along the chronosequence of the sub-arctic glacier forefield of Styggedalsbreen (Norway). FEMS Microbiology Ecology, 2016, 92, fnw038.	1.3	43
18	Chemical denudation and the role of sulfide oxidation at Werenskioldbreen, Svalbard. Journal of Hydrology, 2016, 538, 177-193.	2.3	42

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19	The Andes Cordillera. Part I: snow distribution, properties, and trends (1979â€“2014). International Journal of Climatology, 2017, 37, 1680-1698.	1.5	42
20	Suspended sediment transport in glacial meltwater during the initial quiescent phase after a major surge event at Kuannersuit Glacier, Greenland. Geografisk Tidsskrift, 2007, 107, 1-7.	0.4	39
21	Outburst flood evolution at Russell Glacier, western Greenland: effects of a bedrock channel cascade with intermediary lakes. Quaternary Science Reviews, 2013, 67, 39-58.	1.4	39
22	Arctic climate shifts drive rapid ecosystem responses across the West Greenland landscape. Environmental Research Letters, 2019, 14, 074027.	2.2	38
23	Spatial Patterns of Soil Development, Methane Oxidation, and Methanotrophic Diversity along a Receding Glacier Forefield, Southeast Greenland. Arctic, Antarctic, and Alpine Research, 2011, 43, 178-188.	0.4	36
24	Ice marginal dynamics during surge activity, Kuannersuit Glacier, Disko Island, West Greenland. Quaternary Science Reviews, 2009, 28, 209-222.	1.4	34
25	Multi-decadal marine- and land-terminating glacier recession in the Ammassalik region, southeast Greenland. Cryosphere, 2012, 6, 625-639.	1.5	32
26	Carbon dating reveals a seasonal progression in the source of particulate organic carbon exported from the Greenland Ice Sheet. Geophysical Research Letters, 2017, 44, 6209-6217.	1.5	32
27	Glacier naled evolution and relation to the subglacial drainage system based on water chemistry and GPR surveys (Werenskioldbreen, SW Svalbard). Annals of Glaciology, 2016, 57, 19-30.	2.8	29
28	Ice-Dammed Lake Drainage Evolution at Russell Glacier, West Greenland. Frontiers in Earth Science, 2017, 5, .	0.8	29
29	Cryoconite â€“ From minerals and organic matter to bioengineered sediments on glacier's surfaces. Science of the Total Environment, 2022, 807, 150874.	3.9	29
30	The importance of oxygen isotope provenance in relation to solute content of bulk meltwaters at Imersuaq Glacier, West Greenland. Hydrological Processes, 2004, 18, 125-139.	1.1	25
31	Patterns in Microbial Assemblages Exported From the Meltwater of Arctic and Sub-Arctic Glaciers. Frontiers in Microbiology, 2020, 11, 669.	1.5	24
32	Volume measurements of Mittivakkat Gletscher, southeast Greenland. Journal of Glaciology, 2014, 60, 1199-1207.	1.1	22
33	Glaciological features in the initial quiescent phase of kuannersuit glacier, greenland. Geografiska Annaler, Series A: Physical Geography, 2005, 87, 473-485.	0.6	20
34	Silicon isotopes in Arctic and sub-Arctic glacial meltwaters: the role of subglacial weathering in the silicon cycle. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190098.	1.0	20
35	Globally elevated chemical weathering rates beneath glaciers. Nature Communications, 2022, 13, 407.	5.8	20
36	Recent marginal changes of the Mittivakkat Glacier, Southeast Greenland and the discovery of remains of reindeer (Rangifer tarandus), polar bear (Ursus maritimus) and peaty material. Geografisk Tidsskrift, 2008, 108, 137-142.	0.4	19

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37	Stable oxygen isotope variability in two contrasting glacier river catchments in Greenland. Hydrology and Earth System Sciences, 2016, 20, 1197-1210.	1.9	19
38	Geochemistry of groundwater in front of a warmâ€based glacier in southeast greenland. Geografiska Annaler, Series A: Physical Geography, 2013, 95, 97-108.	0.6	18
39	Volume and velocity changes at Mittivakkat Gletscher, southeast Greenland. Journal of Glaciology, 2013, 59, 660-670.	1.1	17
40	Freshwater Flux and Spatiotemporal Simulated Runoff Variability into Ilulissat Icefjord, West Greenland, Linked to Salinity and Temperature Observations near Tidewater Glacier Margins Obtained Using Instrumented Ringed Seals. Journal of Physical Oceanography, 2015, 45, 1426-1445.	0.7	17
41	Weathering Dynamics Under Contrasting Greenland Ice Sheet Catchments. Frontiers in Earth Science, 2019, 7, .	0.8	17
42	Observed sediment and solute transport from the Kangerlussuaq sector of the Greenland Ice Sheet (2006â€“2016). Arctic, Antarctic, and Alpine Research, 2018, 50, .	0.4	16
43	Observations of debris-rich naled associated with a major glacier surge event, Disko Island, West Greenland. Permafrost and Periglacial Processes, 2005, 16, 319-325.	1.5	15
44	Albedo decline on Greenland's Mittivakkat Gletscher in a warming climate. International Journal of Climatology, 2015, 35, 2294-2307.	1.5	15
45	Ice-dammed lake and ice-margin evolution during the Holocene in the Kangerlussuaq area of west Greenland. Arctic, Antarctic, and Alpine Research, 2018, 50, .	0.4	15
46	Aluminium in glacial meltwater demonstrates an association with nutrient export (WerenskiÃ¶ldbreen, Svalbard). Hydrological Processes, 2019, 33, 1638-1657.	1.1	15
47	The Biogeochemical Legacy of Arctic Subglacial Sediments Exposed by Glacier Retreat. Global Biogeochemical Cycles, 2022, 36, .	1.9	14
48	Activity and diversity of methane-oxidizing bacteria along a Norwegian sub-Arctic glacier forefield. FEMS Microbiology Ecology, 2018, 94, .	1.3	13
49	A reconstruction of Jostedalsbreen during the Little Ice Age and geometric changes to outlet glaciers since then. Quaternary Science Reviews, 2022, 284, 107501.	1.4	13
50	Debris entrainment by basal freezeâ€on and thrusting during the 1995â€“1998 surge of Kuannersuit Glacier on Disko Island, west Greenland. Earth Surface Processes and Landforms, 2010, 35, 561-574.	1.2	12
51	The Andes Cordillera. Part IV: spatioâ€temporal freshwater runâ€off distribution to adjacent seas (1979â€“2014). International Journal of Climatology, 2017, 37, 3175-3196.	1.5	12
52	Prokaryotic assemblages in suspended and subglacial sediments within a glacierized catchment on Qeqertarsuaq (Disko Island), west Greenland. FEMS Microbiology Ecology, 2018, 94, .	1.3	12
53	The presence of thrust-block naled after a major surge event: Kuannersuit Glacier, West Greenland. Annals of Glaciology, 2005, 42, 145-150.	2.8	11
54	Kuannersuit Glacier revisited: Constraining ice dynamics, landform formations and glaciomorphological changes in the early quiescent phase following the 1995â€“98 surge event. Geomorphology, 2019, 330, 89-99.	1.1	11

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55	Chemical and isotopic characteristics of a glacier-derived naled in front of Austre GrÃ¸nfjordbreen, Svalbard. Polar Research, 2012, 31, 17628.	1.6	10
56	Iceâ€margin and meltwater dynamics during the midâ€Holocene in the Kangerlussuaq area of west Greenland. Boreas, 2017, 46, 369-387.	1.2	10
57	The Andes Cordillera. Part <scp>II</scp>: Rio Olivares Basin snow conditions (1979â€“2014), central Chile. International Journal of Climatology, 2017, 37, 1699-1715.	1.5	9
58	Geomorphological investigation of multiphase glacitectonic composite ridge systems in Svalbard. Geomorphology, 2018, 300, 176-188.	1.1	9
59	Surface Air Temperature Fluctuations and Lapse Rates on Olivares Gamma Glacier, Rio Olivares Basin, Central Chile, from a Novel Meteorological Sensor Network. Advances in Meteorology, 2017, 2017, 1-15.	0.6	8
60	High-resolution ice sheet surface mass-balance and spatiotemporal runoff simulations: Kangerlussuaq, west Greenland. Arctic, Antarctic, and Alpine Research, 2018, 50, .	0.4	8
61	Annual River Runoff Variations and Trends for the Andes Cordillera. Journal of Hydrometeorology, 2018, 19, 1167-1189.	0.7	7
62	Atmospheric and oceanic influence on mass balance of northern North Atlantic region land-terminating glaciers. Geografiska Annaler, Series A: Physical Geography, 2014, 96, n/a-n/a.	0.6	6
63	Water chemistry and hydrometeorology in a glacierized catchment in the Polar Urals, Russia. Journal of Mountain Science, 2014, 11, 1097-1111.	0.8	4
64	Environmental change and impacts in the Kangerlussuaq area, West Greenland. Arctic, Antarctic, and Alpine Research, 2018, 50, .	0.4	4
65	Land-terminating glacier volume changes in different Circum-Arctic areas, mid-1980s to late-2000s/2011. Geografisk Tidsskrift, 2013, 113, 65-70.	0.4	3
66	Glacier changes in the circumpolar Arctic and sub-Arctic, mid-1980s to late-2000s/2011. Geografisk Tidsskrift, 2015, 115, 39-56.	0.4	2
67	Statistical EOF analysis of spatiotemporal glacier mass-balance variability: a case study of Mittivakkat Gletscher, SE Greenland. Geografisk Tidsskrift, 2018, 118, 1-16.	0.4	2
68	The Geochemistry of Glacial Meltwaters. , 2022, , 290-304.		2
69	SEM-EDS and water chemistry characteristics at the early stages of glacier recession reveal biogeochemical coupling between proglacial sediments and meltwater. Science of the Total Environment, 2022, 835, 155383.	3.9	2