

# Jacob Clement Yde

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The Geochemistry of Glacial Meltwaters. , 2022, , 290-304.		2
2	Cryoconite “ From minerals and organic matter to bioengineered sediments on glacier's surfaces. Science of the Total Environment, 2022, 807, 150874.	3.9	29
3	Globally elevated chemical weathering rates beneath glaciers. Nature Communications, 2022, 13, 407.	5.8	20
4	The Biogeochemical Legacy of Arctic Subglacial Sediments Exposed by Glacier Retreat. Global Biogeochemical Cycles, 2022, 36, .	1.9	14
5	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
6	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
7	Patterns in Microbial Assemblages Exported From the Meltwater of Arctic and Sub-Arctic Glaciers. Frontiers in Microbiology, 2020, 11, 669.	1.5	24
8	Weathering Dynamics Under Contrasting Greenland Ice Sheet Catchments. Frontiers in Earth Science, 2019, 7, .	0.8	17
9	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
10	Kuannersuit Glacier revisited: Constraining ice dynamics, landform formations and glaciomorphological changes in the early quiescent phase following the 1995“98 surge event. Geomorphology, 2019, 330, 89-99.	1.1	11
11	Arctic climate shifts drive rapid ecosystem responses across the West Greenland landscape. Environmental Research Letters, 2019, 14, 074027.	2.2	38
12	Aluminium in glacial meltwater demonstrates an association with nutrient export (Werenski“ldbreen, Svalbard). Hydrological Processes, 2019, 33, 1638-1657.	1.1	15
13	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
14	Activity and diversity of methane-oxidizing bacteria along a Norwegian sub-Arctic glacier forefield. FEMS Microbiology Ecology, 2018, 94, .	1.3	13
15	Geomorphological investigation of multiphase glacetectonic composite ridge systems in Svalbard. Geomorphology, 2018, 300, 176-188.	1.1	9
16	Environmental change and impacts in the Kangerlussuaq area, West Greenland. Arctic, Antarctic, and Alpine Research, 2018, 50, .	0.4	4
17	High-resolution ice sheet surface mass-balance and spatiotemporal runoff simulations: Kangerlussuaq, west Greenland. Arctic, Antarctic, and Alpine Research, 2018, 50, .	0.4	8
18	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

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19	Observed sediment and solute transport from the Kangerlussuaq sector of the Greenland Ice Sheet (2006–2016). <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	0.4	16
20	Prokaryotic assemblages in suspended and subglacial sediments within a glacierized catchment on Qeqertarsuaq (Disko Island), west Greenland. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	12
21	Annual River Runoff Variations and Trends for the Andes Cordillera. <i>Journal of Hydrometeorology</i> , 2018, 19, 1167-1189.	0.7	7
22	Carbon dating reveals a seasonal progression in the source of particulate organic carbon exported from the Greenland Ice Sheet. <i>Geophysical Research Letters</i> , 2017, 44, 6209-6217.	1.5	32
23	The Andes Cordillera. Part IV: spatio-temporal freshwater runoff distribution to adjacent seas (1979–2014). <i>International Journal of Climatology</i> , 2017, 37, 3175-3196.	1.5	12
24	Ice-margin and meltwater dynamics during the mid-Holocene in the Kangerlussuaq area of west Greenland. <i>Boreas</i> , 2017, 46, 369-387.	1.2	10
25	The Andes Cordillera. Part I: snow distribution, properties, and trends (1979–2014). <i>International Journal of Climatology</i> , 2017, 37, 1680-1698.	1.5	42
26	The Andes Cordillera. Part II: Rio Olivares Basin snow conditions (1979–2014), central Chile. <i>International Journal of Climatology</i> , 2017, 37, 1699-1715.	1.5	9
27	Ice-Dammed Lake Drainage Evolution at Russell Glacier, West Greenland. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	29
28	Surface Air Temperature Fluctuations and Lapse Rates on Olivares Gamma Glacier, Rio Olivares Basin, Central Chile, from a Novel Meteorological Sensor Network. <i>Advances in Meteorology</i> , 2017, 2017, 1-15.	0.6	8
29	The Arctic in the Twenty-First Century: Changing Biogeochemical Linkages across a Paraglacial Landscape of Greenland. <i>BioScience</i> , 2017, 67, 118-133.	2.2	60
30	Stable oxygen isotope variability in two contrasting glacier river catchments in Greenland. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1197-1210.	1.9	19
31	Glacier area changes in the central Chilean and Argentinean Andes 1955–2013/14. <i>Journal of Glaciology</i> , 2016, 62, 391-401.	1.1	49
32	Chemical denudation and the role of sulfide oxidation at Werenskioldbreen, Svalbard. <i>Journal of Hydrology</i> , 2016, 538, 177-193.	2.3	42
33	High export of dissolved silica from the Greenland Ice Sheet. <i>Geophysical Research Letters</i> , 2016, 43, 9173-9182.	1.5	89
34	Glacier naled evolution and relation to the subglacial drainage system based on water chemistry and GPR surveys (Werenskioldbreen, SW Svalbard). <i>Annals of Glaciology</i> , 2016, 57, 19-30.	2.8	29
35	The effect of temperature change on the microbial diversity and community structure along the chronosequence of the sub-arctic glacier forefield of Styggedalsbreen (Norway). <i>FEMS Microbiology Ecology</i> , 2016, 92, fnw038.	1.3	43
36	Albedo decline on Greenland's Mittivakkat Gletscher in a warming climate. <i>International Journal of Climatology</i> , 2015, 35, 2294-2307.	1.5	15

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37	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. <i>Journal of Physical Oceanography</i> , 2015, 45, 1426-1445.	0.7	17
38	Glacier changes in the circumpolar Arctic and sub-Arctic, mid-1980s to late-2000s/2011. <i>Geografisk Tidsskrift</i> , 2015, 115, 39-56.	0.4	2
39	Mass loss and imbalance of glaciers along the Andes Cordillera to the sub-Antarctic islands. <i>Global and Planetary Change</i> , 2015, 133, 109-119.	1.6	52
40	Greenland precipitation trends in a long-term instrumental climate context (1890–2012): evaluation of coastal and ice core records. <i>International Journal of Climatology</i> , 2015, 35, 303-320.	1.5	84
41	Atmospheric and oceanic influence on mass balance of northern North Atlantic region land-terminating glaciers. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2014, 96, n/a-n/a.	0.6	6
42	Water chemistry and hydrometeorology in a glacierized catchment in the Polar Urals, Russia. <i>Journal of Mountain Science</i> , 2014, 11, 1097-1111.	0.8	4
43	Meltwater chemistry and solute export from a Greenland Ice Sheet catchment, Watson River, West Greenland. <i>Journal of Hydrology</i> , 2014, 519, 2165-2179.	2.3	64
44	Volume measurements of Mittivakkat Gletscher, southeast Greenland. <i>Journal of Glaciology</i> , 2014, 60, 1199-1207.	1.1	22
45	Coastal Greenland air temperature extremes and trends 1890–2010: annual and monthly analysis. <i>International Journal of Climatology</i> , 2014, 34, 1472-1487.	1.5	46
46	Geochemistry of groundwater in front of a warm-based glacier in southeast Greenland. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2013, 95, 97-108.	0.6	18
47	Outburst flood evolution at Russell Glacier, western Greenland: effects of a bedrock channel cascade with intermediary lakes. <i>Quaternary Science Reviews</i> , 2013, 67, 39-58.	1.4	39
48	Land-terminating glacier volume changes in different Circum-Arctic areas, mid-1980s to late-2000s/2011. <i>Geografisk Tidsskrift</i> , 2013, 113, 65-70.	0.4	3
49	Volume and velocity changes at Mittivakkat Gletscher, southeast Greenland. <i>Journal of Glaciology</i> , 2013, 59, 660-670.	1.1	17
50	Identification of snow ablation rate, ELA, AAR and net mass balance using transient snowline variations on two Arctic glaciers. <i>Journal of Glaciology</i> , 2013, 59, 649-659.	1.1	50
51	Multi-decadal marine- and land-terminating glacier recession in the Ammassalik region, southeast Greenland. <i>Cryosphere</i> , 2012, 6, 625-639.	1.5	32
52	Chemical and isotopic characteristics of a glacier-derived naled in front of Austre Grøn fjordbreen, Svalbard. <i>Polar Research</i> , 2012, 31, 17628.	1.6	10
53	Spatial Patterns of Soil Development, Methane Oxidation, and Methanotrophic Diversity along a Receding Glacier Forefield, Southeast Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2011, 43, 178-188.	0.4	36
54	A new cycle of jökulhlaups at Russell Glacier, Kangerlussuaq, West Greenland. <i>Journal of Glaciology</i> , 2011, 57, 238-246.	1.1	52

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55	Increasing mass loss from Greenland's Mittivakkat Gletscher. <i>Cryosphere</i> , 2011, 5, 341-348.	1.5	44
56	Methane flux and high-affinity methanotrophic diversity along the chronosequence of a receding glacier in Greenland. <i>Annals of Glaciology</i> , 2010, 51, 23-31.	2.8	54
57	Debris entrainment by basal freeze-on and thrusting during the 1995-1998 surge of Kuannersuit Glacier on Disko Island, west Greenland. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 561-574.	1.2	12
58	Basal ice microbiology at the margin of the Greenland ice sheet. <i>Annals of Glaciology</i> , 2010, 51, 71-79.	2.8	112
59	Reconstructing Climate Change: Not All Glaciers Suitable. <i>Eos</i> , 2010, 91, 189-190.	0.1	43
60	Ice marginal dynamics during surge activity, Kuannersuit Glacier, Disko Island, West Greenland. <i>Quaternary Science Reviews</i> , 2009, 28, 209-222.	1.4	34
61	Recent marginal changes of the Mittivakkat Glacier, Southeast Greenland and the discovery of remains of reindeer ( <i>Rangifer tarandus</i> ), polar bear ( <i>Ursus maritimus</i> ) and peaty material. <i>Geografisk Tidsskrift</i> , 2008, 108, 137-142.	0.4	19
62	Hydrochemical characteristics of bulk meltwater from an entire ablation season, Longyearbreen, Svalbard. <i>Journal of Glaciology</i> , 2008, 54, 259-272.	1.1	60
63	20th-century glacier fluctuations on Disko Island (Qeqertarsuaq), Greenland. <i>Annals of Glaciology</i> , 2007, 46, 209-214.	2.8	46
64	Suspended sediment transport in glacial meltwater during the initial quiescent phase after a major surge event at Kuannersuit Glacier, Greenland. <i>Geografisk Tidsskrift</i> , 2007, 107, 1-7.	0.4	39
65	The presence of thrust-block naled after a major surge event: Kuannersuit Glacier, West Greenland. <i>Annals of Glaciology</i> , 2005, 42, 145-150.	2.8	11
66	Observations of debris-rich naled associated with a major glacier surge event, Disko Island, West Greenland. <i>Permafrost and Periglacial Processes</i> , 2005, 16, 319-325.	1.5	15
67	Glaciological features in the initial quiescent phase of kuannersuit glacier, greenland. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2005, 87, 473-485.	0.6	20
68	Glacier hydrochemistry, solute provenance, and chemical denudation at a surge-type glacier in Kuannersuit Kuussuat, Disko Island, West Greenland. <i>Journal of Hydrology</i> , 2005, 300, 172-187.	2.3	57
69	The importance of oxygen isotope provenance in relation to solute content of bulk meltwaters at Imersuaq Glacier, West Greenland. <i>Hydrological Processes</i> , 2004, 18, 125-139.	1.1	25