

# Monica C M Winsborrow

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,741  
citations

361413

20  
h-index

395702

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deglaciation of the Eurasian ice sheet complex. <i>Quaternary Science Reviews</i> , 2017, 169, 148-172.	3.0	253
2	Massive blow-out craters formed by hydrate-controlled methane expulsion from the Arctic seafloor. <i>Science</i> , 2017, 356, 948-953.	12.6	177
3	Deglaciation of a marine-based ice sheet: Late Weichselian palaeo-ice dynamics and retreat in the southern Barents Sea reconstructed from onshore and offshore glacial geomorphology. <i>Quaternary Science Reviews</i> , 2010, 29, 424-442.	3.0	164
4	The build-up, configuration, and dynamical sensitivity of the Eurasian ice-sheet complex to Late Weichselian climatic and oceanic forcing. <i>Quaternary Science Reviews</i> , 2016, 153, 97-121.	3.0	138
5	What controls the location of ice streams?. <i>Earth-Science Reviews</i> , 2010, 103, 45-59.	9.1	129
6	Deglaciation of the central Barents Sea. <i>Quaternary Science Reviews</i> , 2014, 92, 208-226.	3.0	76
7	Ice stream retreat dynamics inferred from an assemblage of landforms in the northern Barents Sea. <i>Quaternary Science Reviews</i> , 2014, 92, 246-257.	3.0	76
8	Late Pliocene-Pleistocene development of the Barents Sea Ice Sheet. <i>Geology</i> , 2010, 38, 107-110.	4.4	74
9	Signature of ice streaming in Bj�rn�yrenna, Polar North Atlantic, through the Pleistocene and implications for ice-stream dynamics. <i>Annals of Glaciology</i> , 2009, 50, 17-26.	1.4	68
10	Geophysical constraints on the dynamics and retreat of the Barents Sea ice sheet as a paleobenchmark for models of marine ice sheet deglaciation. <i>Reviews of Geophysics</i> , 2015, 53, 1051-1098.	23.0	68
11	Deglaciation of the western margin of the Barents Sea Ice Sheet – A swath bathymetric and sub-bottom seismic study from the Kveithola Trough. <i>Marine Geology</i> , 2011, 279, 141-147.	2.1	66
12	Ice Streams of the Laurentide Ice Sheet. <i>G�ographie Physique Et Quaternaire</i> , 2004, 58, 269-280.	0.2	61
13	Grounding-line dynamics during the last deglaciation of Kveithola, WBarents Sea, as revealed by seabed geomorphology and shallow seismic stratigraphy. <i>Boreas</i> , 2013, 42, 84-107.	2.4	59
14	Asynchronous response of marine-terminating outlet glaciers during deglaciation of the Fennoscandian Ice Sheet. <i>Geology</i> , 2014, 42, 455-458.	4.4	41
15	Regulation of ice stream flow through subglacial formation of gas hydrates. <i>Nature Geoscience</i> , 2016, 9, 370-374.	12.9	38
16	Reconstructing the retreat dynamics of the Bj�rn�yrenna Ice Stream based on new 3D seismic data from the central Barents Sea. <i>Quaternary Science Reviews</i> , 2016, 151, 212-227.	3.0	31
17	Large subglacial meltwater features in the central Barents Sea. <i>Geology</i> , 2017, 45, 159-162.	4.4	28
18	Evolution of a high-latitude sediment drift inside a glacially-carved trough based on high-resolution seismic stratigraphy (Kveithola, NW Barents Sea). <i>Quaternary Science Reviews</i> , 2016, 147, 178-193.	3.0	27

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19	Subglacial water storage and drainage beneath the Fennoscandian and Barents Sea ice sheets. <i>Quaternary Science Reviews</i> , 2018, 201, 13-28.	3.0	23
20	Sandwaves and sand transport on the Barents Sea continental slope offshore northern Norway. <i>Marine and Petroleum Geology</i> , 2015, 60, 34-53.	3.3	21
21	Retreat patterns and dynamics of the Sentralbankenna glacial system, central Barents Sea. <i>Quaternary Science Reviews</i> , 2017, 169, 131-147.	3.0	21
22	Exceptions to bed-controlled ice sheet flow and retreat from glaciated continental margins worldwide. <i>Science Advances</i> , 2021, 7, .	10.3	19
23	Morphological evidence for marine ice stream shutdown, central Barents Sea. <i>Marine Geology</i> , 2019, 414, 64-76.	2.1	16
24	Subglacial roughness of the former Barents Sea ice sheet. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 2546-2556.	2.8	14
25	Iceâ€margin retreat and groundingâ€zone dynamics during initial deglaciation of the Storfjordrenna Ice Stream, western Barents Sea. <i>Boreas</i> , 2020, 49, 38-51.	2.4	11
26	A Continuous Seismostratigraphic Framework for the Western Svalbard-Barents Sea Margin Over the Last 2.7 Ma: Implications for the Late Cenozoic Glacial History of the Svalbard-Barents Sea Ice Sheet. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	9
27	The role of ocean and atmospheric dynamics in the marine-based collapse of the last Eurasian Ice Sheet. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	6.8	9
28	Relationship between mega-scale glacial lineations and iceberg ploughmarks on the BjÃ,rnÃ,yrenna Palaeo-Ice Stream bed, Barents Sea. <i>Marine Geology</i> , 2018, 402, 153-164.	2.1	7
29	Shallow carbon storage in ancient buried thermokarst in the South Kara Sea. <i>Scientific Reports</i> , 2018, 8, 14342.	3.3	7
30	Retreat patterns and dynamics of the former Bear Island Trough Ice Stream. <i>Geological Society Memoir</i> , 2016, 46, 445-452.	1.7	5
31	Grounding line proximal sediment characteristics at a marine-based, late-stage ice stream margin. <i>Journal of Quaternary Science</i> , 2017, 32, 463-474.	2.1	3
32	Quaternary interaction of cryospheric and oceanographic processes along the centralâ€east Greenland margin. <i>Boreas</i> , 2019, 48, 72-91.	2.4	1
33	The First International Conference on â€Processes and Palaeo-Environmental Changes in the Arctic: From Past to Presentâ€™ (PalaeoArc). <i>Geologos</i> , 2019, 25, 175-179.	0.6	1