

Colm Ã“ Cofaigh

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

5,908
citations

61857

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times ranked

2917
citing authors

#	ARTICLE	IF	CITATIONS
1	Pattern, style and timing of British-Irish Ice Sheet retreat: Shetland and northern North Sea sector. <i>Journal of Quaternary Science</i> , 2021, 36, 681-722.	1.1	31
2	Retreat dynamics of the eastern sector of the British-Irish Ice Sheet during the last glaciation. <i>Journal of Quaternary Science</i> , 2021, 36, 723-751.	1.1	23
3	Pattern, style and timing of British-Irish Ice Sheet advance and retreat over the last 45,000 years: evidence from NW Scotland and the adjacent continental shelf. <i>Journal of Quaternary Science</i> , 2021, 36, 871-933.	1.1	24
4	Timing and pace of ice-sheet withdrawal across the marine-terrestrial transition west of Ireland during the last glaciation. <i>Journal of Quaternary Science</i> , 2021, 36, 805-832.	1.1	14
5	Timing, pace and controls on ice sheet retreat: an introduction to the BRITICE-CHRONO transect reconstructions of the British-Irish Ice Sheet. <i>Journal of Quaternary Science</i> , 2021, 36, 673-680.	1.1	19
6	Exploring controls of the early and stepped deglaciation on the western margin of the British Irish Ice Sheet. <i>Journal of Quaternary Science</i> , 2021, 36, 833-870.	1.1	9
7	Oscillating retreat of the last British-Irish Ice Sheet on the continental shelf offshore Galway Bay, western Ireland. <i>Marine Geology</i> , 2020, 420, 106087.	0.9	15
8	The deglaciation of the western sector of the Irish Ice Sheet from the inner continental shelf to its terrestrial margin. <i>Boreas</i> , 2020, 49, 438-460.	1.2	13
9	Controls on the formation of turbidity current channels associated with marine-terminating glaciers and ice sheets. <i>Marine Geology</i> , 2019, 415, 105951.	0.9	20
10	Ice-stream demise dynamically conditioned by trough shape and bed strength. <i>Science Advances</i> , 2019, 5, eaau1380.	4.7	29
11	Early deglaciation of the British-Irish Ice Sheet on the Atlantic shelf northwest of Ireland driven by glacioisostatic depression and high relative sea level. <i>Quaternary Science Reviews</i> , 2019, 208, 76-96.	1.4	40
12	The mixed-bed glacial landform imprint of the North Sea Lobe in the western North Sea. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 1233-1258.	1.2	19
13	The relationship between ice sheets and submarine mass movements in the Nordic Seas during the Quaternary. <i>Earth-Science Reviews</i> , 2018, 178, 208-256.	4.0	15
14	A Plio-Pleistocene sediment wedge on the continental shelf west of central Ireland: The Connemara Fan. <i>Marine Geology</i> , 2018, 399, 97-114.	0.9	4
15	Glacial and submarine processes on the shelf margin of the Disko Bay Trough Mouth Fan. <i>Marine Geology</i> , 2018, 402, 33-50.	0.9	4
16	The role of meltwater in high-latitude trough-mouth fan development: The Disko Trough-Mouth Fan, West Greenland. <i>Marine Geology</i> , 2018, 402, 17-32.	0.9	12
17	Submarine landform assemblages and sedimentary processes in front of Spitsbergen tidewater glaciers. <i>Marine Geology</i> , 2018, 402, 209-227.	0.9	13
18	Baffin Bay paleoenvironments in the LGM and HS1: Resolving the ice-shelf question. <i>Marine Geology</i> , 2018, 402, 5-16.	0.9	34

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19	Glacial landsystems, retreat dynamics and controls on Loch Lomond Stadial (Younger Dryas) glaciation in Britain. <i>Boreas</i> , 2018, 47, 202-224.	1.2	38
20	Extent and retreat history of the Barra Fan Ice Stream offshore western Scotland and northern Ireland during the last glaciation. <i>Quaternary Science Reviews</i> , 2018, 201, 280-302.	1.4	40
21	Ice marginal dynamics of the last British-Irish Ice Sheet in the southern North Sea: Ice limits, timing and the influence of the Dogger Bank. <i>Quaternary Science Reviews</i> , 2018, 198, 181-207.	1.4	39
22	A stratigraphic investigation of the Celtic Sea megaridges based on seismic and core data from the Irish-UK sectors. <i>Quaternary Science Reviews</i> , 2018, 198, 156-170.	1.4	20
23	Trough geometry was a greater influence than climate-ocean forcing in regulating retreat of the marine-based Irish-Sea Ice Stream. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1981-1999.	1.6	38
24	Geomorphology and till architecture of terrestrial palaeo-ice streams of the southwest Laurentide Ice Sheet: A borehole stratigraphic approach. <i>Quaternary Science Reviews</i> , 2018, 186, 186-214.	1.4	12
25	Lack of evidence for a substantial sea-level fluctuation within the Last Interglacial. <i>Nature Geoscience</i> , 2018, 11, 627-634.	5.4	47
26	Geological evolution and processes of the glaciated North Atlantic margins. <i>Marine Geology</i> , 2018, 402, 1-4.	0.9	3
27	Submarine deglacial sediment and geomorphological record of southwestern Scotland after the Last Glacial Maximum. <i>Marine Geology</i> , 2018, 403, 62-79.	0.9	8
28	Ocean forcing of Ice Sheet retreat in central west Greenland from LGM to the early Holocene. <i>Earth and Planetary Science Letters</i> , 2017, 472, 1-13.	1.8	55
29	Submarine landforms and glacial marine sedimentary processes in Lomfjorden, East Spitsbergen. <i>Marine Geology</i> , 2017, 390, 51-71.	0.9	20
30	Seafloor geomorphology and glacial marine sedimentation associated with fast-flowing ice sheet outlet glaciers in Disko Bay, West Greenland. <i>Quaternary Science Reviews</i> , 2017, 169, 206-230.	1.4	22
31	The Last Irish Ice Sheet: Extent and Chronology. , 2017, , 101-149.		19
32	Subglacial processes on an Antarctic ice stream bed. 1: Sediment transport and bedform genesis inferred from marine geophysical data. <i>Journal of Glaciology</i> , 2016, 62, 270-284.	1.1	29
33	Deglaciation of a major palaeo-ice stream in Disko Trough, West Greenland. <i>Quaternary Science Reviews</i> , 2016, 147, 5-26.	1.4	62
34	Sedimentology and chronology of the advance and retreat of the last British-Irish Ice Sheet on the continental shelf west of Ireland. <i>Quaternary Science Reviews</i> , 2016, 140, 101-124.	1.4	30
35	Glacial landscape evolution in the Uummannaq region, West Greenland. <i>Boreas</i> , 2016, 45, 220-234.	1.2	7
36	PAST Gateways (Palaeo-Arctic Spatial and Temporal Gateways): Introduction and overview. <i>Quaternary Science Reviews</i> , 2016, 147, 1-4.	1.4	2

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37	Subglacial processes on an Antarctic ice stream bed. 2: Can modelled ice dynamics explain the morphology of mega-scale glacial lineations?. <i>Journal of Glaciology</i> , 2016, 62, 285-298.	1.1	25
38	Ice stream retreat following the LGM and onset of the west Greenland current in Uummannaq Trough, west Greenland. <i>Quaternary Science Reviews</i> , 2016, 147, 27-46.	1.4	45
39	Maximum extent and dynamic behaviour of the last British-Irish Ice Sheet west of Ireland. <i>Quaternary Science Reviews</i> , 2015, 128, 48-68.	1.4	50
40	Late Devensian deglaciation of the Tyne Gap Palaeo-Ice Stream, northern England. <i>Journal of Quaternary Science</i> , 2015, 30, 790-804.	1.1	24
41	Submarine landform assemblages and sedimentary processes related to glacier surging in Kongsfjorden, Svalbard. <i>Arktos</i> , 2015, 1, 1.	1.0	22
42	The glacial history of the southern Svartehuk Halv�, West Greenland. <i>Arktos</i> , 2015, 1, 1.	1.0	3
43	A Marine Isotope Stage 4 age for Pleistocene raised beach deposits near Fethard, southern Ireland. <i>Journal of Quaternary Science</i> , 2015, 30, 754-763.	1.1	9
44	Drumlin sedimentology in a hard-bed, lowland setting, Connemara, western Ireland: implications for subglacial bedform generation in areas of sparse till cover. <i>Journal of Quaternary Science</i> , 2015, 30, 537-557.	1.1	16
45	Controls on bedrock bedform development beneath the Uummannaq Ice Stream onset zone, West Greenland. <i>Geomorphology</i> , 2015, 231, 301-313.	1.1	17
46	Ice sheet extension to the Celtic Sea shelf edge at the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2015, 111, 107-112.	1.4	44
47	Glacial geomorphology of the Great Glen Region of Scotland. <i>Journal of Maps</i> , 2014, 10, 159-178.	1.0	14
48	Paleoenvironments during Younger Dryas-early Holocene retreat of the Greenland Ice Sheet from outer Disko Trough, central west Greenland. <i>Journal of Quaternary Science</i> , 2014, 29, 27-40.	1.1	77
49	Glacial geomorphology of terrestrial-terminating fast flow lobes/ice stream margins in the southwest Laurentide Ice Sheet. <i>Geomorphology</i> , 2014, 204, 86-113.	1.1	69
50	Controls upon the Last Glacial Maximum deglaciation of the northern Uummannaq Ice Stream System, West Greenland. <i>Quaternary Science Reviews</i> , 2014, 92, 324-344.	1.4	38
51	Reconstruction of changes in the Amundsen Sea and Bellingshausen Sea sector of the West Antarctic Ice Sheet since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 55-86.	1.4	94
52	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 1-9.	1.4	228
53	Reconstruction of ice-sheet changes in the Antarctic Peninsula since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 87-110.	1.4	129
54	Terrestrial and submarine evidence for the extent and timing of the Last Glacial Maximum and the onset of deglaciation on the maritime-Antarctic and sub-Antarctic islands. <i>Quaternary Science Reviews</i> , 2014, 100, 137-158.	1.4	95

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55	Glacial history of sub-Antarctic South Georgia based on the submarine geomorphology of its fjords. <i>Quaternary Science Reviews</i> , 2014, 89, 129-147.	1.4	42
56	Understanding controls on rapid ice-stream retreat during the last deglaciation of Marguerite Bay, Antarctica, using a numerical model. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 247-263.	1.0	39
57	Reply to John Shaw "Correspondence" Alberta flow paths: a need for balance. <i>Quaternary Science Reviews</i> , 2013, 63, 144-148.	1.4	2
58	Glacial geomorphology of Marguerite Bay Palaeo-Ice stream, western Antarctic Peninsula. <i>Journal of Maps</i> , 2013, 9, 558-572.	1.0	37
59	Bayesian modelling the retreat of the Irish Sea Ice Stream. <i>Journal of Quaternary Science</i> , 2013, 28, 200-209.	1.1	93
60	Ice sheets viewed from the ocean: the contribution of marine science to understanding modern and past ice sheets. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 5512-5539.	1.6	19
61	Late Pleistocene chronostratigraphy and ice sheet limits, southern Ireland. <i>Quaternary Science Reviews</i> , 2012, 44, 160-179.	1.4	56
62	Marine geophysical evidence for Late Pleistocene ice sheet extent and recession off northwest Ireland. <i>Quaternary Science Reviews</i> , 2012, 44, 147-159.	1.4	76
63	Till stratigraphy and sedimentology at the margins of terrestrially terminating ice streams: case study of the western Canadian prairies and high plains. <i>Quaternary Science Reviews</i> , 2012, 46, 80-125.	1.4	41
64	Dynamic Devonian ice flow in NE England: a sedimentological reconstruction. <i>Boreas</i> , 2012, 41, 337-336.	1.2	15
65	Ice-stream stability on a reverse bed slope. <i>Nature Geoscience</i> , 2012, 5, 799-802.	5.4	174
66	Antarctic palaeo-ice streams. <i>Earth-Science Reviews</i> , 2012, 111, 90-128.	4.0	164
67	Glaciodynamics of the central sector of the last British-Irish Ice Sheet in Northern England. <i>Earth-Science Reviews</i> , 2012, 111, 25-55.	4.0	59
68	Stratigraphic architecture and sedimentology of a Late Pleistocene subaqueous moraine complex, southwest Ireland. <i>Journal of Quaternary Science</i> , 2012, 27, 51-63.	1.1	17
69	Geophysical surveys of the sediments of Loch Ness, Scotland: implications for the deglaciation of the Moray Firth Ice Stream, British-Irish Ice Sheet. <i>Journal of Quaternary Science</i> , 2012, 27, 221-232.	1.1	16
70	The Greenland Ice Sheet During the Past 300,000 Years: A Review. <i>Developments in Quaternary Sciences</i> , 2011, , 699-713.	0.1	88
71	Formation of a stratified subglacial "till" assemblage by ice-marginal thrusting and glacier overriding. <i>Boreas</i> , 2011, 40, 1-14.	1.2	27
72	Provenance and depositional environments of Quaternary sediments from the western North Sea Basin. <i>Journal of Quaternary Science</i> , 2011, 26, 59-75.	1.1	42

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73	Micromorphological characteristics of glacial marine sediments: implications for distinguishing genetic processes of massive diamicts. <i>Geo-Marine Letters</i> , 2010, 30, 77-97.	0.5	32
74	The Brampton kame belt and Pennine escarpment meltwater channel system (Cumbria, UK): Morphology, sedimentology and formation. <i>Proceedings of the Geologists Association</i> , 2010, 121, 423-443.	0.6	44
75	A major ice drainage pathway of the last British-Irish Ice Sheet: the Tyne Gap, northern England. <i>Journal of Quaternary Science</i> , 2010, 25, 354-370.	1.1	34
76	Sedimentary evidence for a major glacial oscillation and proglacial lake formation in the Solway Lowlands (Cumbria, UK) during Late Devensian deglaciation. <i>Boreas</i> , 2010, 39, 505-527.	1.2	25
77	Glacial and glacially-related features on the continental margin of northwest Ireland mapped from marine geophysical data. <i>Journal of Maps</i> , 2010, 6, 14-29.	1.0	47
78	Comment on Shaw J., Pugin, A. and Young, R. (2008): 'A meltwater origin for Antarctic shelf bedforms with special attention to megalineations', <i>Geomorphology</i> 102, 364-375. <i>Geomorphology</i> , 2010, 117, 195-198.	1.1	16
79	Re-advance of Scottish ice into the Solway Lowlands (Cumbria, UK) during the Main Late Devensian deglaciation. <i>Quaternary Science Reviews</i> , 2010, 29, 2544-2570.	1.4	19
80	Evidence for full-glacial flow and retreat of the Late Weichselian Ice Sheet from the waters around Kong Karls Land, eastern Svalbard. <i>Quaternary Science Reviews</i> , 2010, 29, 3563-3582.	1.4	62
81	Styles of till deposition at the margin of the Last Glacial Maximum North Sea lobe of the British-Irish Ice Sheet: an assessment based on geochemical properties of glacial deposits in eastern England. <i>Quaternary Science Reviews</i> , 2010, 29, 3184-3211.	1.4	38
82	The age and stratigraphic context of the Easington Raised Beach, County Durham, UK. <i>Proceedings of the Geologists Association</i> , 2009, 120, 183-198.	0.6	22
83	Marine geophysical evidence for former expansion and flow of the Greenland Ice Sheet across the north-east Greenland continental shelf. <i>Journal of Quaternary Science</i> , 2009, 24, 279-293.	1.1	77
84	Interlobate ice-sheet dynamics during the Last Glacial Maximum at Whitburn Bay, County Durham, England. <i>Boreas</i> , 2009, 38, 555-578.	1.2	38
85	The palaeoglaciology of the central sector of the British and Irish Ice Sheet: reconciling glacial geomorphology and preliminary ice sheet modelling. <i>Quaternary Science Reviews</i> , 2009, 28, 739-757.	1.4	66
86	Geological constraints on Antarctic palaeo-ice stream retreat. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 513-525.	1.2	101
87	Reconstructing ice-sheet dynamics from subglacial sediments and landforms: introduction and overview. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 495-502.	1.2	18
88	The sedimentology of the Late Pleistocene Bannow Till stratotype, County Wexford, southeast Ireland. <i>Proceedings of the Geologists Association</i> , 2008, 119, 329-338.	0.6	7
89	Till sedimentology and stratigraphy on the Dingle Peninsula, SW Ireland: implications for Late Quaternary regional ice flow patterns. <i>Proceedings of the Geologists Association</i> , 2008, 119, 137-152.	0.6	18
90	Glacial geomorphology of the central sector of the last British-Irish Ice Sheet. <i>Journal of Maps</i> , 2008, 4, 358-377.	1.0	53

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91	Recent advances in understanding Antarctic climate evolution. <i>Antarctic Science</i> , 2008, 20, 313-325.	0.5	28
92	Radiocarbon constraints on the age of the maximum advance of the British-Irish Ice Sheet in the Celtic Sea. <i>Quaternary Science Reviews</i> , 2007, 26, 1197-1203.	1.4	93
93	Till characteristics, genesis and transport beneath Antarctic paleo-ice streams. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	63
94	The role of glacitectonic rafting and comminution in the production of subglacial tills: examples from southwest Ireland and Antarctica. <i>Boreas</i> , 2007, 36, 386-399.	1.2	46
95	A critical assessment of subglacial mega-floods: a case study of glacial sediments and landforms in south-central Alberta, Canada. <i>Quaternary Science Reviews</i> , 2006, 25, 1638-1667.	1.4	53
96	Geological and geomorphological insights into Antarctic ice sheet evolution. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 1607-1625.	1.6	43
97	Extent and dynamics of the West Antarctic Ice Sheet on the outer continental shelf of Pine Island Bay during the last glaciation. <i>Marine Geology</i> , 2006, 230, 53-72.	0.9	99
98	Geophysical investigations of a high-latitude submarine channel system and associated channel-mouth lobe in the Lofoten Basin, Polar North Atlantic. <i>Marine Geology</i> , 2006, 226, 41-50.	0.9	29
99	Flow dynamics and till genesis associated with a marine-based Antarctic palaeo-ice stream. <i>Quaternary Science Reviews</i> , 2005, 24, 709-740.	1.4	262
100	Flow of the West Antarctic Ice Sheet on the continental margin of the Bellingshausen Sea at the Last Glacial Maximum. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	72
101	Till genesis and glacier motion inferred from sedimentological evidence associated with the surge-type glacier, Brárjökull, Iceland. <i>Annals of Glaciology</i> , 2005, 42, 14-22.	2.8	24
102	Thickness and extent of the subglacial till layer beneath an Antarctic paleo-ice stream. <i>Geology</i> , 2004, 32, 13.	2.0	197
103	Timing and significance of glacially influenced mass-wasting in the submarine channels of the Greenland Basin. <i>Marine Geology</i> , 2004, 207, 39-54.	0.9	89
104	Late Quaternary submarine bedforms and ice-sheet flow in Gerlache Strait and on the adjacent continental shelf, Antarctic Peninsula. <i>Journal of Quaternary Science</i> , 2004, 19, 397-407.	1.1	49
105	Palaeo-ice streams, trough mouth fans and high-latitude continental slope sedimentation. <i>Boreas</i> , 2003, 32, 37-55.	1.2	156
106	Depositional evidence for marginal oscillations of the Irish Sea ice stream in southeast Ireland during the last glaciation. <i>Boreas</i> , 2003, 32, 76-101.	1.2	60
107	Supraglacial debris along the front of the Larsen-A Ice Shelf, Antarctic Peninsula. <i>Antarctic Science</i> , 2003, 15, 503-506.	0.5	11
108	Depositional evidence for marginal oscillations of the Irish Sea ice stream in southeast Ireland during the last glaciation. , 2003, 32, 76.		16

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109	Sediment reworking on high-latitude continental margins and its implications for palaeoceanographic studies: insights from the Norwegian-Greenland Sea. Geological Society Special Publication, 2002, 203, 325-348.	0.8	25
110	Glacier-influenced sedimentation on high-latitude continental margins: introduction and overview. Geological Society Special Publication, 2002, 203, 1-9.	0.8	20
111	Evolution of subglacial bedforms along a paleo-ice stream, Antarctic Peninsula continental shelf. Geophysical Research Letters, 2002, 29, 41-1-41-4.	1.5	272
112	Workshop explores debris transported by icebergs and paleoenvironmental implications. Eos, 2001, 82, 382-382.	0.1	5
113	Laminated sediments in glacial marine environments: diagnostic criteria for their interpretation. Quaternary Science Reviews, 2001, 20, 1411-1436.	1.4	183
114	Holocene glacial marine sedimentation, inner Scoresby Sund, East Greenland: the influence of fast-flowing ice-sheet outlet glaciers. Marine Geology, 2001, 175, 103-129.	0.9	69
115	Sedimentary evidence for deforming bed conditions associated with a grounded Irish Sea glacier, southern Ireland. Journal of Quaternary Science, 2001, 16, 435-454.	1.1	84
116	Late Quaternary Iceberg Rafting along the Antarctic Peninsula Continental Rise and in the Weddell and Scotia Seas. Quaternary Research, 2001, 56, 308-321.	1.0	52
117	Late Wisconsinan glaciation of southern Eureka Sound: evidence for extensive Inuitian ice in the Canadian High Arctic during the Last Glacial Maximum. Quaternary Science Reviews, 2000, 19, 1319-1341.	1.4	35
118	Geomorphic and sedimentary signatures of early Holocene deglaciation in High Arctic fiords, Ellesmere Island, Canada: implications for deglacial ice dynamics and thermal regime. Canadian Journal of Earth Sciences, 1998, 35, 437-452.	0.6	27
119	Tunnel valley genesis. Progress in Physical Geography, 1996, 20, 1-19.	1.4	168
120	A Late Pleistocene channelized subglacial meltwater system on the Atlantic continental shelf south of Ireland. Boreas, 0, , .	1.2	5
121	Holocene emergence and shoreline delevelling, southern Eureka Sound, High Arctic Canada. Géographie Physique Et Quaternaire, 0, 53, 235-247.	0.2	13
122	GlaciDat – a GIS database of submarine glacial landforms and sediments in the Arctic. Boreas, 0, , .	1.2	8