Derek Fabel

List of Publications by Year
in descending order

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131 papers	4,481 citations	94433 37 h-index	128289 60 g-index
149 all docs	149 docs citations	149 times ranked	3280 citing authors

#	Article	IF	Citations
1	Deglaciation of Fennoscandia. Quaternary Science Reviews, 2016, 147, 91-121.	3.0	447
2	Plioceneâ˜Pleistocene incision of the Green River, Kentucky, determined from radioactive decay of cosmogenic 26Al and 10Be in Mammoth Cave sediments. Bulletin of the Geological Society of America, 2001, 113, 825-836.	3.3	225
3	Landscape preservation under Fennoscandian ice sheets determined from in situ produced 10Be and 26Al. Earth and Planetary Science Letters, 2002, 201, 397-406.	4.4	213
4	A relict landscape in the centre of Fennoscandian glaciation: cosmogenic radionuclide evidence of tors preserved through multiple glacial cycles. Geomorphology, 2002, 44, 145-154.	2.6	166
5	Global cooling initiated stony deserts in central Australia 2â€“4 Ma, dated by cosmogenic 21Ne-10Be. Geology, 2005, 33, 993.	4.4	137
6	The evolution of the Patagonian Ice Sheet from 35 ka to the present day (PATICE). Earth-Science Reviews, 2020, 204, 103152.	9.1	137
7	Trimlines, blockfields, mountain-top erratics and the vertical dimensions of the last Britishâ€“Irish Ice Sheet in NW Scotland. Quaternary Science Reviews, 2012, 55, 91-102.	3.0	107
8	Does decreasing paraglacial sediment supply slow knickpoint retreat?. Geology, 2011, 39, 543-546.	4.4	83
9	Spatial Patterns of Glacial Erosion at a Valley Scale Derived From Terrestrial Cosmogenic10Be and26Al Concentrations in Rock. Annals of the American Association of Geographers, 2004, 94, 241-255.	3.0	72
10	Single-grain cosmogenic 21Ne concentrations in fluvial sediments reveal spatially variable erosion rates. Geology, 2008, 36, 159.	4.4	72
11	Ice caps existed throughout the Lateglacial Interstadial in northern Scotland. Journal of Quaternary Science, 2008, 23, 401-407.	2.1	68
12	Quantifying the erosional impact of the fennoscandian ice sheet in the tornetrÃskâ€“narvik corridor, northern sweden, based on cosmogenic radionuclide data. Geografiska Annaler, Series A: Physical Geography, 2002, 84, 275-287.	1.5	63
13	The use of in-situ produced cosmogenic radionuclides in glaciology and glacial geomorphology. Annals of Glaciology, 1999, 28, 103-110.	1.4	60
14	Evolution of a Lateglacial mountain icecap in northern Scotland. Boreas, 2011, 40, 536-554.	2.4	57
15	Young uplift in the non-glaciated parts of the Eastern Alps. Earth and Planetary Science Letters, 2010, 295, 159-169.	4.4	56
16	Younger Dryas and early Holocene age glacier advances in Patagonia. Quaternary Science Reviews, 2012, 58, 7-17.	3.0	56
17	Pleistocene dynamics of the interior East Antarctic ice sheet. Geology, 2010, 38, 703-706.	4.4	55
18	Cosmogenic 10Be and 26Al dating of paleolake shorelines in Tibet. Journal of Asian Earth Sciences, 2011, 41, 263-273.	2.3	55

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19	Cosmogenic nuclide evidence for minimal erosion across two subglacial sliding boundaries of the late glacial Fennoscandian ice sheet. Geomorphology, 2006, 75, 90-99.	2.6	53
20	New age constraints for the limit of the Britishâ€“Irish Ice Sheet on the Isles of Scilly. Journal of Quaternary Science, 2017, 32, 48-62.	2.1	53
21	A new Scandinavian reference 10Be production rate. Quaternary Geochronology, 2015, 29, 104-115.	1.4	52
22	Denudational and thermal history along a transect across the Lambert Graben, northern Prince Charles Mountains, Antarctica, derived from apatite fission track thermochronology. Tectonics, 2003, 22, n/a-n/a.	2.8	51
23	Late Pleistocene Glaciations in the Northwestern Sierra Nevada, California. Quaternary Research, 2002, 57, 409-419.	1.7	50
24	Devising quality assurance procedures for assessment of legacy geochronological data relating to deglaciation of the last British-Irish Ice Sheet. Earth-Science Reviews, 2017, 164, 232-250.	9.1	50
25	Glacial lake evolution and Atlantic-Pacific drainage reversals during deglaciation of the Patagonian Ice Sheet. Quaternary Science Reviews, 2019, 203, 102-127.	3.0	50
26	Pleistocene deglaciation chronology of the Amery Oasis and Radok Lake, northern Prince Charles Mountains, Antarctica. Earth and Planetary Science Letters, 2006, 243, 229-243.	4.4	48
27	Growth and decay of a marine terminating sector of the last Britishâ€“Irish Ice Sheet: a geomorphological reconstruction. Quaternary Science Reviews, 2014, 83, 28-45.	3.0	47
28	Cosmogenic surface exposure dating the last deglaciation in Denmark: Discrepancies with independent age constraints suggest delayed periglacial landform stabilisation. Quaternary Geochronology, 2012, 13, 1-17.	1.4	45
29	Early to middle Holocene valley glaciations on northernmost Greenland. Quaternary Science Reviews, 2010, 29, 3379-3398.	3.0	44
30	Ice margin oscillations during deglaciation of the northern Irish Sea Basin. Journal of Quaternary Science, 2018, 33, 739-762.	2.1	43
31	Ice sheet erosion patterns in valley systems in northern Sweden investigated using cosmogenic nuclides. Earth Surface Processes and Landforms, 2005, 30, 1039-1049.	2.5	42
32	Internal dynamics condition centennial-scale oscillations in marine-based ice-stream retreat. Geology, 2017, 45, 787-790.	4.4	41
33	First cosmogenic10Be age constraint on the timing of Younger Dryas glaciation and ice cap thickness, western Scottish Highlands. Journal of Quaternary Science, 2007, 22, 785-791.	2.1	40
34	Discordance between cosmogenic nuclide concentrations in amalgamated sands and individual fluvial pebbles in an arid zone catchment. Quaternary Geochronology, 2014, 19, 173-180.	1.4	40
35	Extent and retreat history of the Barra Fan Ice Stream offshore western Scotland and northern Ireland during the last glaciation. Quaternary Science Reviews, 2018, 201, 280-302.	3.0	40
36	Early deglaciation of the British-Irish Ice Sheet on the Atlantic shelf northwest of Ireland driven by glacioisostatic depression and high relative sea level. Quaternary Science Reviews, 2019, 208, 76-96.	3.0	40

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37	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. Quaternary Science Reviews, 2018, 198, 181-207.	3.0	39
38	Exposure ages from relict lateral moraines overridden by the Fennoscandian ice sheet. Quaternary Research, 2006, 65, 136-146.	1.7	38
39	Trough geometry was a greater influence than climate-ocean forcing in regulating retreat of the marine-based Irish-Sea Ice Stream. Bulletin of the Geological Society of America, 2018, 130, 1981-1999.	3.3	38
40	A ¹⁰<scp>B</scp>eâ€based reconstruction of the last deglaciation in southern <scp>S</scp>weden. Boreas, 2014, 43, 132-148.	2.4	36
41	Was Scotland deglaciated during the Younger Dryas?. Quaternary Science Reviews, 2016, 145, 259-263.	3.0	36
42	Cosmogenic exposure age constraints on deglaciation and flow behaviour of a marine-based ice stream in western Scotland, 21â€“16Âka. Quaternary Science Reviews, 2017, 167, 30-46.	3.0	35
43	Glacial Lake Pickering: stratigraphy and chronology of a proglacial lake dammed by the North Sea Lobe of the Britishâ€“Irish Ice Sheet. Journal of Quaternary Science, 2017, 32, 295-310.	2.1	35
44	Inner gorges cut by subglacial meltwater during Fennoscandian ice sheet decay. Nature Communications, 2014, 5, 3815.	12.8	34
45	Importance of sampling across an assemblage of glacial landforms for interpreting cosmogenic ages of deglaciation. Quaternary Research, 2011, 76, 148-156.	1.7	33
46	Advance and retreat of the marine-terminating Irish Sea Ice Stream into the Celtic Sea during the Last Glacial: Timing and maximum extent. Marine Geology, 2019, 412, 53-68.	2.1	33
47	Drumlin formation time: evidence from northern and central sweden. Geografiska Annaler, Series A: Physical Geography, 2004, 86, 155-167.	1.5	31
48	In situ cosmogenic exposure ages from the Isle of Skye, northwest Scotland: implications for the timing of deglaciation and readvance from 15 to 11â€‰ka. Journal of Quaternary Science, 2012, 27, 150-158.	2.1	31
49	Pattern, style and timing of Britishâ€“Irish Ice Sheet retreat: Shetland and northern North Sea sector. Journal of Quaternary Science, 2021, 36, 681-722.	2.1	31
50	Cosmogenic nuclide exposure ages from the â€˜Parallel Roadsâ€™ of Glen Roy, Scotland. Journal of Quaternary Science, 2010, 25, 597-603.	2.1	30
51	Investigating the glacial history of the northern sector of the Cordilleran Ice Sheet with cosmogenic 10Be concentrations in quartz. Quaternary Science Reviews, 2010, 29, 3630-3643.	3.0	30
52	Lake Store FinnsjÃ¸en â€“ a key for understanding Lateglacial/early Holocene vegetation and ice sheet dynamics in the central Scandes Mountains. Quaternary Science Reviews, 2015, 121, 36-51.	3.0	29
53	Ice-stream demise dynamically conditioned by trough shape and bed strength. Science Advances, 2019, 5, eaau1380.	10.3	29
54	Investigating absolute chronologies of glacial advances in the NW sector of the Cordilleran Ice Sheet with terrestrial in situ cosmogenic nuclides. Quaternary Science Reviews, 2014, 92, 429-443.	3.0	28

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55	Episodic intraplate deformation of stable continental margins: evidence from Late Neogene and Quaternary marine terraces, Cape Liptrap, Southeastern Australia. Quaternary Science Reviews, 2009, 28, 39-53.	3.0	27
56	A Lateglacial ¹⁰Be production rate from glacial lake shorelines in Scotland. Journal of Quaternary Science, 2015, 30, 509-513.	2.1	26
57	A Younger Dryas re-advance of local glaciers in north Greenland. Quaternary Science Reviews, 2016, 147, 47-58.	3.0	26
58	Widespread erosion on high plateaus during recent glaciations in Scandinavia. Nature Communications, 2018, 9, 830.	12.8	26
59	Preliminary results of CoQtz-N: A quartz reference material for terrestrial in-situ cosmogenic 10Be and 26Al measurements. Nuclear Instruments & Methods in Physics Research B, 2019, 456, 203-212.	1.4	26
60	Denudation chronology from cave and river terrace levels: the case of the Buchan Karst, southeastern Australia. Geological Magazine, 1992, 129, 307-317.	1.5	25
61	Investigating the last deglaciation of the Scandinavian Ice Sheet in southwest Sweden with ¹⁰Be exposure dating. Journal of Quaternary Science, 2012, 27, 211-220.	2.1	25
62	Asynchronous glacier dynamics during the Antarctic Cold Reversal in central Patagonia. Quaternary Science Reviews, 2018, 200, 287-312.	3.0	25
63	Pattern, style and timing of Britishâ€“Irish Ice Sheet advance and retreat over the last 45â€‰000 years: evidence from NW Scotland and the adjacent continental shelf. Journal of Quaternary Science, 2021, 36, 871-933.	2.1	24
64	Expression of the Younger Dryas cold event in the Carpathian Mountains, Ukraine?. Quaternary Science Reviews, 2012, 39, 106-114.	3.0	23
65	Retreat dynamics of the eastern sector of the Britishâ€“Irish Ice Sheet during the last glaciation. Journal of Quaternary Science, 2021, 36, 723-751.	2.1	23
66	Unraveling complex exposure-burial histories of bedrock surfaces under ice sheets by integrating cosmogenic nuclide concentrations with climate proxy records. Geomorphology, 2008, 99, 139-149.	2.6	22
67	New 10be cosmogenic ages from the vimmerby moraine confirm the timing of scandinavian ice sheet deglaciation in southern sweden. Geografiska Annaler, Series A: Physical Geography, 2009, 91, 113-120.	1.5	22
68	Lowland river responses to intraplate tectonism and climate forcing quantified with luminescence and cosmogenic 10Be. Earth and Planetary Science Letters, 2013, 366, 49-58.	4.4	22
69	A chronology for North Sea Lobe advance and recession on the Lincolnshire and Norfolk coasts during MIS 2 and 6. Proceedings of the Geologists Association, 2019, 130, 523-540.	1.1	22
70	Growing topography due to contrasting rock types in a tectonically dead landscape. Earth Surface Dynamics, 2021, 9, 167-181.	2.4	21
71	Cosmogenic ²¹Ne analysis of individual detrital grains: Opportunities and limitations. Earth Surface Processes and Landforms, 2010, 35, 16-27.	2.5	19
72	Revised Quaternary glacial succession and post-LGM recession, southern Wind River Range, Wyoming, USA. Quaternary Science Reviews, 2018, 192, 167-184.	3.0	19

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73	The mixedâ€bed glacial landform imprint of the North Sea Lobe in the western North Sea. Earth Surface Processes and Landforms, 2019, 44, 1233-1258.	2.5	19
74	The evolution of the terrestrialâ€terminating Irish Sea glacier during the last glaciation. Journal of Quaternary Science, 2021, 36, 752-779.	2.1	19
75	Timing, pace and controls on ice sheet retreat: an introduction to the BRITICEâ€CHRONO transect reconstructions of the Britishâ€“Irish Ice Sheet. Journal of Quaternary Science, 2021, 36, 673-680.	2.1	19
76	Maximum extent and readvance dynamics of the Irish Sea Ice Stream and Irish Sea Glacier since the Last Glacial Maximum. Journal of Quaternary Science, 2021, 36, 780-804.	2.1	17
77	Arcticâ€“alpine blockfields in the northern Swedish Scandes: late Quaternary â€“ not Neogene. Earth Surface Dynamics, 2014, 2, 383-401.	2.4	17
78	Update on the Performance of the SUERC In Situ Cosmogenic ¹⁴C Extraction Line. Radiocarbon, 2010, 52, 1288-1294.	1.8	16
79	Late Holocene glacier activity at inner Hornsund and Scottbreen, southern Svalbard. Journal of Quaternary Science, 2017, 32, 501-515.	2.1	16
80	NICKPOINT RECESSION IN KARST TERRAINS: AN EXAMPLE FROM THE BUCHAN KARST, SOUTHEASTERN AUSTRALIA. Earth Surface Processes and Landforms, 1996, 21, 453-466.	2.5	15
81	New evidence for the incision history of the Liuchong River, Southwest China, from cosmogenic 26Al/10Be burial ages in cave sediments. Journal of Asian Earth Sciences, 2013, 73, 274-283.	2.3	15
82	Quantifying soil loss with in-situ cosmogenic 10Be and 14C depth-profiles. Quaternary Geochronology, 2015, 27, 78-93.	1.4	15
83	Response to Bromley etÂal. â€œComment on â€˜Was Scotland deglaciated during the Younger Dryas?â€™ By Small and Fabel (2016)â€• Quaternary Science Reviews, 2016, 152, 206-208.	3.0	15
84	Oscillating retreat of the last British-Irish Ice Sheet on the continental shelf offshore Galway Bay, western Ireland. Marine Geology, 2020, 420, 106087.	2.1	15
85	Early glacial maximum and deglaciation at sub-Antarctic Marion Island from cosmogenic 36Cl exposure dating. Quaternary Science Reviews, 2020, 231, 106208.	3.0	15
86	Geomorphology and 10Be chronology of the Last Glacial Maximum and deglaciation in northeastern Patagonia, 43Â°S-71Â°W. Quaternary Science Reviews, 2021, 272, 107194.	3.0	15
87	Lateglacial surface exposure dating in the Monadhliath Mountains, Central Highlands, Scotland. Quaternary Science Reviews, 2012, 41, 132-146.	3.0	14
88	Deglaciation of coastal southâ€western Spitsbergen dated with in situ cosmogenic ¹⁰Be and ¹⁴C measurements. Journal of Quaternary Science, 2018, 33, 763-776.	2.1	14
89	Deglaciation chronology of the Donegal Ice Centre, northâ€west Ireland. Journal of Quaternary Science, 2019, 34, 16-28.	2.1	14
90	Timing and pace of iceâ€sheet withdrawal across the marineâ€“terrestrial transition west of Ireland during the last glaciation. Journal of Quaternary Science, 2021, 36, 805-832.	2.1	14

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91	Cosmogenic ¹⁰Be insights into the extent and chronology of the last deglaciation in Wester Ross, northwest Scotland. Journal of Quaternary Science, 2011, 26, 97-108.	2.1	13
92	The deglaciation of the western sector of the Irish Ice Sheet from the inner continental shelf to its terrestrial margin. Boreas, 2020, 49, 438-460.	2.4	13
93	Constraining variability in south-east Australian long-term denudation rates using a combined geomorphological and thermochronological approach. Zeitschrift FÃ¼r Geomorphologie, 1992, 36, 293-305.	0.8	13
94	Mountain building along a passive margin: Late Neogene tectonism in southeastern Victoria, Australia. Geomorphology, 2011, 125, 253-262.	2.6	12
95	Using Carbon Isotopes to Fight the Rise in Fraudulent Whisky. Radiocarbon, 2020, 62, 51-62.	1.8	12
96	Late Quaternary glaciation in the Hebrides sector of the continental shelf: cosmogenic nuclide dating of glacial events on the St Kilda archipelago. Boreas, 2017, 46, 605-621.	2.4	11
97	Sedimentation during Marine Isotope Stage 3 at the eastern margins of the Glacial Lake Humber basin, England. Journal of Quaternary Science, 2018, 33, 871-891.	2.1	10
98	The coastal landslides of Shetland. Scottish Geographical Journal, 2018, 134, 71-96.	1.1	10
99	Evidence for rapid paraglacial formation of rock glaciers in southern Norway from ¹⁰Be surface-exposure dating. Quaternary Research, 2020, 97, 55-70.	1.7	9
100	Exploring controls of the early and stepped deglaciation on the western margin of the British Irish Ice Sheet. Journal of Quaternary Science, 2021, 36, 833-870.	2.1	9
101	Reconstructing the erosion history of glaciated passive margins: applications of in situ produced cosmogenic nuclide techniques. Geological Society Special Publication, 2002, 196, 153-168.	1.3	8
102	The Idre marginal moraine â€“ An anchorpoint for Middle and Late Weichselian ice sheet chronology. Quaternary Science Advances, 2020, 2, 100010.	1.9	8
103	Age and duration of a MIS 3 interstadial in the Fennoscandian Ice Sheet core area â€“ Implications for ice sheet dynamics. Quaternary Science Reviews, 2021, 264, 107011.	3.0	8
104	Weathering fluxes and sediment provenance on the SW Scottish shelf during the last deglaciation. Marine Geology, 2018, 402, 81-98.	2.1	7
105	Ice surface changes during recent glacial cycles along the Jutulstraumen and Penck Trough ice streams in western Dronning Maud Land, East Antarctica. Quaternary Science Reviews, 2020, 249, 106636.	3.0	7
106	Cosmic-ray exposure age of Martian meteorite GRV 99027. Science in China Series D: Earth Sciences, 2007, 50, 1521-1524.	0.9	6
107	Final deglaciation of the Malin Sea through meltwater release and calving events. Scottish Journal of Geology, 2020, 56, 117-133.	0.1	6
108	Apatite Deposition on NaOHâ€Treated PEEK and UHMWPE Films for Sclera Materials in Artificial Cornea Implants. Advanced Engineering Materials, 2010, 12, B234.	3.5	5

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109	Holocene Chronology of the Brattforsheden Delta and Inland Dune Field, Sw Sweden. Geochronometria, 2015, 42, .	0.8	5
110	Very low inheritance in cosmogenic surface exposure ages of glacial deposits: A field experiment from two Norwegian glacier forelands. Holocene, 2017, 27, 1406-1414.	1.7	5
111	10Be chronology of deglaciation and ice-dammed lake regression in the vicinity of the Mylodon Cave (Cerro BenÃtez, Patagonia, Chile). Quaternary Science Reviews, 2022, 278, 107354.	3.0	5
112	Inceptions: mechanisms, patterns and timing of ice sheet inception. Quaternary International, 2002, 95-96, 1-4.	1.5	4
113	Slow, patchy landscape evolution in northern Sweden despite repeated ice-sheet glaciation. , 2006, , .		4
114	Reply to comments by on: â€œGlacial lake evolution and Atlantic-Pacific drainage reversals during deglaciation of the Patagonia Ice Sheetâ€• Quaternary Science Reviews, 2019, 213, 171-177.	3.0	4
115	Dating Pleistocene deltaic deposits using in-situ 26Al and 10Be cosmogenic nuclides. Quaternary Geochronology, 2015, 28, 71-79.	1.4	3
116	In situ cosmogenic 10Be, 26Al, and 21Ne dating in sediments from the Guizhou Plateau, southwest China. Science China Earth Sciences, 2021, 64, 1305-1317.	5.2	3
117	Late Cenozoic channel migration of the proto-Yangtze River in the delta region: Insights from cosmogenic nuclide burial dating of onshore boreholes. Geomorphology, 2022, 407, 108228.	2.6	3
118	Dating cave sediments with cosmogenic nuclides. , 2019, , 348-352.		2
119	New chronological constraints on the Plio-Pleistocene uplift of the Guizhou Plateau, SE margin of the Tibetan Plateau. Quaternary Geochronology, 2021, 67, 101237.	1.4	2
120	Rapid ice sheet response to deglacial and Holocene paleoenvironmental changes in eastern Prydz Bay, East Antarctica. Quaternary Science Reviews, 2022, 280, 107401.	3.0	2
121	The Last Glacial Maximum and Deglacial History of the Seno Skyring Ice Lobe (52Â°S), Southern Patagonia. Frontiers in Earth Science, 0, 10, .	1.8	2
122	Discussion. Denudational isostatic rebound of intraplate highlands: The Lachlan river valley, Australia. Earth Surface Processes and Landforms, 1993, 18, 749-751.	2.5	1
123	The Indo-Antarctic Rift: Geochronological Evidences from the Mahanadi Basin and the Lambert Graben. Gondwana Research, 2001, 4, 687.	6.0	1
124	Cosmogenic Isotope Dating of Cave Sediments. , 2012, , 172-177.		1
125	Topographic Relief Response to Fluvial Incision in the Central Tibetan Plateau: Evidence From Cosmogenic ¹⁰Be. Journal of Geophysical Research F: Earth Surface, 2021, 126, .	2.8	1
126	Early-Holocene moraine chronology, Sognefjell area, southern Norway: evidence for multiple glacial and climatic fluctuations within the Erdalen Event (~10.2â€'9.7 ka). Norwegian Journal of Geology, 0, , .	0.5	1

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127	Production of 21Ne in depth-profiled olivine from a 54 Ma basalt sequence, Eastern Highlands (37Â° S), Australia. Geochimica Et Cosmochimica Acta, 2018, 220, 276-290.	3.9	0
128	NEW ¹⁰BE EXPOSURE AGES FOR PLEISTOCENE GLACIAL STRATIGRAPHY, SOUTHERN WIND RIVER RANGE, WYOMING, USA. , 2017, , .		0
129	A RE-EVALUATION OF THE TIMING OF MAMMOTH CAVE DEVELOPMENT AND FORMATION OF THE OHIO RIVER. , 2018, , .		0
130	10BE SURFACE EXPOSURE AGES FROM RELICT TALUS-DERIVED ROCK GLACIER LOBES AT Ã˜YBERGET, SOUTHERN NORWAY. , 2018, , .		0
131	FORMATION OF GLACIAL LANDFORMS DURING MIS 3-1 ON ANDÃ˜YA (69Â°N, 16Â°E), COASTAL NORTHERN NORWAY. , 2018, , .		0