

Gerhard Kuhn

List of Publications by Year in descending order

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178
papers

8,146
citations

38660

50
h-index

60497

81
g-index

204
all docs

204
docs citations

204
times ranked

6274
citing authors

#	ARTICLE	IF	CITATIONS
1	Obliquity-paced Pliocene West Antarctic ice sheet oscillations. <i>Nature</i> , 2009, 458, 322-328.	13.7	564
2	Clay mineral distribution in surface sediments of the South Atlantic: sources, transport, and relation to oceanography. <i>Marine Geology</i> , 1996, 130, 203-229.	0.9	443
3	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
4	Benthic foraminiferal assemblages from the eastern Weddell Sea between 68 and 73°S: Distribution, ecology and fossilization potential. <i>Marine Micropaleontology</i> , 1990, 16, 241-283.	0.5	188
5	Increased Dust Deposition in the Pacific Southern Ocean During Glacial Periods. <i>Science</i> , 2014, 343, 403-407.	6.0	184
6	Calibration and application of marine sedimentary physical properties using a multi-sensor core logger. <i>Marine Geology</i> , 1997, 136, 151-172.	0.9	171
7	Millennial-scale variability in Antarctic ice-sheet discharge during the last deglaciation. <i>Nature</i> , 2014, 510, 134-138.	13.7	171
8	Geological record and reconstruction of the late Pliocene impact of the Eltanin asteroid in the Southern Ocean. <i>Nature</i> , 1997, 390, 357-363.	13.7	164
9	Significance of clay mineral assemblages in the Antarctic Ocean. <i>Marine Geology</i> , 1992, 107, 249-273.	0.9	147
10	Last glacial sea surface temperatures and sea-ice extent in the Southern Ocean (Atlantic-Indian) Tj ETQq0 0 0 rgBT (Overlock 10 Tf 50 38 145	3.0	145
11	Opal sedimentation shifts in the World Ocean over the last 15 Myr. <i>Earth and Planetary Science Letters</i> , 2004, 224, 509-527.	1.8	138
12	Bedform signature of a West Antarctic palaeo-ice stream reveals a multi-temporal record of flow and substrate control. <i>Quaternary Science Reviews</i> , 2009, 28, 2774-2793.	1.4	133
13	Antarctic ice sheet sensitivity to atmospheric CO ₂ variations in the early to mid-Miocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3453-3458.	3.3	133
14	Provenance and transport of terrigenous sediment in the south Atlantic Ocean and their relations to glacial and interglacial cycles: Nd and Sr isotopic evidence. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3813-3827.	1.6	122
15	West Antarctic Ice Sheet retreat driven by Holocene warm water incursions. <i>Nature</i> , 2017, 547, 43-48.	13.7	109
16	Extensive phytoplankton blooms in the Atlantic sector of the glacial Southern Ocean. <i>Paleoceanography</i> , 2006, 21, n/a-n/a.	3.0	108
17	Late Pleistocene deep-water circulation in the subantarctic eastern Atlantic. <i>Global and Planetary Change</i> , 2001, 30, 197-229.	1.6	103
18	Subglacial bedforms reveal complex basal regime in a zone of paleo-ice stream convergence, Amundsen Sea embayment, West Antarctica. <i>Geology</i> , 2009, 37, 411-414.	2.0	102

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19	Provenance and dispersal of glacial-marine surface sediments in the Weddell Sea and adjoining areas, Antarctica: ice-rafting versus current transport. <i>Marine Geology</i> , 1999, 158, 209-231.	0.9	96
20	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
21	Flow and retreat of the Late Quaternary Pine Island-Thwaites palaeo-ice stream, West Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	93
22	Deglacial history of the West Antarctic Ice Sheet in the western Amundsen Sea Embayment. <i>Quaternary Science Reviews</i> , 2011, 30, 488-505.	1.4	91
23	Paleo ice flow and subglacial meltwater dynamics in Pine Island Bay, West Antarctica. <i>Cryosphere</i> , 2013, 7, 249-262.	1.5	91
24	Antarctic Zone nutrient conditions during the last two glacial cycles. <i>Paleoceanography</i> , 2015, 30, 845-862.	3.0	88
25	Terrigenous sediment supply in the Scotia Sea (Southern Ocean): response to Late Quaternary ice dynamics in Patagonia and on the Antarctic Peninsula. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 162, 357-387.	1.0	85
26	Reconstruction of changes in the Weddell Sea sector of the Antarctic Ice Sheet since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2014, 100, 111-136.	1.4	85
27	Distribution of clay minerals and proxies for productivity in surface sediments of the Bellingshausen and Amundsen seas (West Antarctica) - Relation to modern environmental conditions. <i>Marine Geology</i> , 2003, 193, 253-271.	0.9	79
28	Pure siliceous ooze, a diagenetic environment for early chert formation. <i>Geology</i> , 1994, 22, 207.	2.0	78
29	Glacier fluctuations of Muztagh Ata and temperature changes during the late Holocene in westernmost Tibetan Plateau, based on glaciolacustrine sediment records. <i>Geophysical Research Letters</i> , 2014, 41, 6265-6273.	1.5	78
30	Grounding-line retreat of the West Antarctic Ice Sheet from inner Pine Island Bay. <i>Geology</i> , 2013, 41, 35-38.	2.0	77
31	Biological response to millennial variability of dust and nutrient supply in the Subantarctic South Atlantic Ocean. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130054.	1.6	76
32	Record of a Mid-Pleistocene depositional anomaly in West Antarctic continental margin sediments: an indicator for ice-sheet collapse?. <i>Quaternary Science Reviews</i> , 2009, 28, 1147-1159.	1.4	73
33	Pleistocene variability of Antarctic Ice Sheet extent in the Ross Embayment. <i>Quaternary Science Reviews</i> , 2012, 34, 93-112.	1.4	69
34	Temperate rainforests near the South Pole during peak Cretaceous warmth. <i>Nature</i> , 2020, 580, 81-86.	13.7	69
35	Dust transport from Patagonia to Antarctica - A new stratigraphic approach from the Scotia Sea and its implications for the last glacial cycle. <i>Quaternary Science Reviews</i> , 2012, 36, 177-188.	1.4	68
36	Late Quaternary variability of ocean circulation in the southeastern South Atlantic inferred from the terrigenous sediment record of a drift deposit in the southern Cape Basin (ODP Site 1089). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002, 182, 287-303.	1.0	64

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37	Sedimentary record of the mid-Pleistocene climate transition in the southeastern South Atlantic (ODP Site 1090). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002, 182, 241-258.	1.0	63
38	Middle Eocene to early Miocene environmental changes in the sub-Antarctic Southern Ocean: evidence from biogenic and terrigenous depositional patterns at ODP Site 1090. <i>Global and Planetary Change</i> , 2004, 40, 295-313.	1.6	63
39	Interhemispheric Ice-Sheet Synchronicity During the Last Glacial Maximum. <i>Science</i> , 2011, 334, 1265-1269.	6.0	63
40	Age assignment of a diatomaceous ooze deposited in the western Amundsen Sea Embayment after the Last Glacial Maximum. <i>Journal of Quaternary Science</i> , 2010, 25, 280-295.	1.1	62
41	²²⁶ Ra in barite: Absolute dating of Holocene Southern Ocean sediments and reconstruction of sea-surface reservoir ages. <i>Geology</i> , 2002, 30, 731.	2.0	60
42	Late Quaternary sediment dating and quantification of lateral sediment redistribution applying ²³⁰ Thex: a study from the eastern Atlantic sector of the Southern Ocean. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1996, 85, 554-566.	1.3	59
43	Environmental history of the south-eastern South Atlantic since the Middle Miocene: evidence from the sedimentological records of ODP Sites 1088 and 1092. <i>Sedimentology</i> , 2003, 50, 511-529.	1.6	59
44	Antarctic marine ice-sheet retreat in the Ross Sea during the early Holocene. <i>Geology</i> , 2016, 44, 7-10.	2.0	58
45	Synchronicity of Kuroshio Current and climate system variability since the Last Glacial Maximum. <i>Earth and Planetary Science Letters</i> , 2016, 452, 247-257.	1.8	57
46	Acoustical characterization of sediments by Parasound and 3.5 kHz systems: Related sedimentary processes on the southeastern Weddell Sea continental slope, Antarctica. <i>Marine Geology</i> , 1993, 113, 201-217.	0.9	55
47	A geochemical record of late Holocene palaeoenvironmental changes at King George Island (maritime) Tj ETQq1 1 0,784314 ggBT /Overl 0,5 55	0.5	55
48	Circum-Antarctic age modelling of Quaternary marine cores under the Antarctic Circumpolar Current: Ice-core dust- ^ε magnetic correlation. <i>Earth and Planetary Science Letters</i> , 2009, 284, 113-123.	1.8	54
49	Seismic stratigraphic record of the Amundsen Sea Embayment shelf from pre-glacial to recent times: Evidence for a dynamic West Antarctic ice sheet. <i>Marine Geology</i> , 2013, 344, 115-131.	0.9	54
50	Minimal change in Antarctic Circumpolar Current flow speed between the last glacial and Holocene. <i>Nature Geoscience</i> , 2014, 7, 113-116.	5.4	54
51	Cyclic magnetite dissolution in Pleistocene sediments of the abyssal northwest Pacific Ocean: Evidence for glacial oxygen depletion and carbon trapping. <i>Paleoceanography</i> , 2016, 31, 600-624.	3.0	53
52	Late Quaternary vegetation and lake system dynamics in north-eastern Siberia: Implications for seasonal climate variability. <i>Quaternary Science Reviews</i> , 2016, 147, 406-421.	1.4	53
53	Benthic Foraminiferal Assemblages and the ¹³ C-Signal in the Atlantic Sector of the Southern Ocean: Glacial-to-Interglacial Contrasts. , 1994, , 105-144.		53
54	The sediment infill of subglacial meltwater channels on the West Antarctic continental shelf. <i>Quaternary Research</i> , 2009, 71, 190-200.	1.0	52

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55	Neodymium and hafnium boundary contributions to seawater along the West Antarctic continental margin. <i>Earth and Planetary Science Letters</i> , 2014, 394, 99-110.	1.8	52
56	Pushing the boundaries: Glacial/interglacial variability of intermediate and deep waters in the southwest Pacific over the last 350,000 years. <i>Paleoceanography</i> , 2015, 30, 23-38.	3.0	51
57	Silica cycle in surface sediments of the South Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998, 45, 1085-1109.	0.6	49
58	Climate change and human impact at Sacrower See (NE Germany) during the past 13,000 years: a geochemical record. <i>Journal of Paleolimnology</i> , 2010, 43, 719-737.	0.8	46
59	Palaeoenvironmental changes during the last 1600 years inferred from the sediment record of a cirque lake in southern Patagonia (Laguna Las Vizcachas, Argentina). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 281, 363-375.	1.0	45
60	Provenance changes between recent and glacial-time sediments in the Amundsen Sea embayment, West Antarctica: clay mineral assemblage evidence. <i>Antarctic Science</i> , 2011, 23, 471-486.	0.5	45
61	Title is missing!. <i>Marine Geophysical Researches</i> , 2001, 22, 465-485.	0.5	44
62	First geomorphological record and glacial history of an inter-ice stream ridge on the West Antarctic continental shelf. <i>Quaternary Science Reviews</i> , 2013, 61, 47-61.	1.4	43
63	New constraints on the timing of West Antarctic Ice Sheet retreat in the eastern Amundsen Sea since the Last Glacial Maximum. <i>Global and Planetary Change</i> , 2014, 122, 224-237.	1.6	41
64	Variations of biogenic particle flux in the southern Atlantic section of the Subantarctic Zone during the late Quaternary: Evidence from sedimentary and. <i>Marine Geology</i> , 1999, 159, 63-78.	0.9	40
65	Quantifying the opal belt in the Atlantic and southeast Pacific sector of the Southern Ocean by means of ²³⁰ Th normalization. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	1.9	40
66	First evidence of widespread active methane seepage in the Southern Ocean, off the sub-Antarctic island of South Georgia. <i>Earth and Planetary Science Letters</i> , 2014, 403, 166-177.	1.8	40
67	Sub-bottom profiling and sedimentological studies in the southern Weddell Sea, Antarctica: evidence for large-scale erosional/depositional processes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993, 40, 739-760.	0.6	38
68	Marine geological constraints for the grounding-line position of the Antarctic Ice Sheet on the southern Weddell Sea shelf at the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2012, 32, 25-47.	1.4	38
69	Southern Ocean bioproductivity during the last glacial cycle – new detection method and decadal-scale insight from the Scotia Sea. <i>Geological Society Special Publication</i> , 2013, 381, 245-261.	0.8	38
70	Palaeo-ice stream pathways and retreat style in the easternmost Amundsen Sea Embayment, West Antarctica, revealed by combined multibeam bathymetric and seismic data. <i>Geomorphology</i> , 2015, 245, 207-222.	1.1	37
71	Distribution and mineralogy of carbonate sediments on Antarctic shelves. <i>Journal of Marine Systems</i> , 2012, 90, 77-87.	0.9	36
72	Climatic and limnological changes at Lake Karakul (Tajikistan) during the last ~29 cal ka. <i>Journal of Paleolimnology</i> , 2017, 58, 317-334.	0.8	36

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73	Using Fourier transform infrared spectroscopy to determine mineral phases in sediments. <i>Sedimentary Geology</i> , 2018, 375, 27-35.	1.0	35
74	Distribution and characteristics of marine habitats in a subpolar bay based on hydroacoustics and bed shear stress estimatesâ€”Potter Cove, King George Island, Antarctica. <i>Geo-Marine Letters</i> , 2014, 34, 435-446.	0.5	34
75	Large-scale submarine landslides, channel and gully systems on the southern Weddell Sea margin, Antarctica. <i>Marine Geology</i> , 2014, 348, 73-87.	0.9	33
76	Major advance of South Georgia glaciers during the Antarctic Cold Reversal following extensive sub-Antarctic glaciation. <i>Nature Communications</i> , 2017, 8, 14798.	5.8	32
77	Evidence for a palaeo-subglacial lake on the Antarctic continental shelf. <i>Nature Communications</i> , 2017, 8, 15591.	5.8	32
78	Holocene environment of Central Kamchatka, Russia: Implications from a multi-proxy record of Two-Yurts Lake. <i>Global and Planetary Change</i> , 2015, 134, 101-117.	1.6	31
79	Constraining the dating of late Quaternary marine sediment records from the Scotia Sea (Southern Tj ETQq1 1 0.784314 rgBT / Overl	0.6	31
80	Tectonomorphic evolution of Marie Byrd Land â€” Implications for Cenozoic rifting activity and onset of West Antarctic glaciation. <i>Global and Planetary Change</i> , 2016, 145, 98-115.	1.6	30
81	Geochemical fingerprints of glacially eroded bedrock from West Antarctica: Detrital thermochronology, radiogenic isotope systematics and trace element geochemistry in Late Holocene glacial-marine sediments. <i>Earth-Science Reviews</i> , 2018, 182, 204-232.	4.0	30
82	Climate fluctuations during the past two millennia as recorded in sediments from Maxwell Bay, South Shetland Islands, West Antarctica. <i>Geological Society Special Publication</i> , 2010, 344, 243-260.	0.8	29
83	A new bathymetric compilation for the South Orkney Islands region, Antarctic Peninsula (49Â°â€”39Â°W) Tj ETQq1 1 0.784314 rgBT / O	1.0	29
84	Orbital- and millennial-scale Antarctic Circumpolar Current variability in Drake Passage over the past 140,000 years. <i>Nature Communications</i> , 2021, 12, 3948.	5.8	28
85	Neogene tectonic and climatic evolution of the Western Ross Sea, Antarctica â€” Chronology of events from the AND-1B drill hole. <i>Global and Planetary Change</i> , 2012, 96-97, 189-203.	1.6	27
86	The southern Weddell Sea: combined contourite-turbidite sedimentation at the southeastern margin of the Weddell Gyre. <i>Geological Society Memoir</i> , 2002, 22, 305-323.	0.9	26
87	BMPix and PEAK tools: New methods for automated laminae recognition and countingâ€”Application to glacial varves from Antarctic marine sediment. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	26
88	Enhanced glacial discharge from the eastern Antarctic Peninsula since the 1700s associated with a positive Southern Annular Mode. <i>Scientific Reports</i> , 2019, 9, 14606.	1.6	25
89	Holocene ice retreat from the Lazarev Sea shelf, East Antarctica. <i>Continental Shelf Research</i> , 1997, 17, 137-163.	0.9	24
90	Laminated sediments in the Bering Sea reveal atmospheric teleconnections to Greenland climate on millennial to decadal timescales during the last deglaciation. <i>Climate of the Past</i> , 2014, 10, 2215-2236.	1.3	24

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91	Retreat of the West Antarctic Ice Sheet from the western Amundsen Sea shelf at a pre- or early LGM stage. <i>Quaternary Science Reviews</i> , 2014, 91, 1-15.	1.4	24
92	A geomorphological seabed classification for the Weddell Sea, Antarctica. <i>Marine Geophysical Researches</i> , 2016, 37, 127-141.	0.5	24
93	Antarctic Drilling Recovers Stratigraphic Records From the Continental Margin. <i>Eos</i> , 2009, 90, 90-91.	0.1	23
94	Reconstructing 2000years of hydrological variation derived from laminated proglacial sediments of Lago del Desierto at the eastern margin of the South Patagonian Ice Field, Argentina. <i>Global and Planetary Change</i> , 2010, 72, 201-214.	1.6	23
95	Geochemical provenance analysis of fine-grained sediment revealing Late Miocene to recent Paleo-Environmental changes in the Western Ross Sea, Antarctica. <i>Global and Planetary Change</i> , 2012, 96-97, 41-58.	1.6	23
96	A record of Antarctic climate and ice sheet history recovered. <i>Eos</i> , 2007, 88, 557-558.	0.1	22
97	Evidence for a dynamic grounding line in outer Filchner Trough, Antarctica, until the early Holocene. <i>Geology</i> , 2017, 45, 1035-1038.	2.0	21
98	Benthic meltwater fjord habitats formed by rapid glacier recession on King George Island, Antarctica. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170178.	1.6	21
99	Subglacial hydrological control on flow of an Antarctic Peninsula palaeo-ice stream. <i>Cryosphere</i> , 2019, 13, 1583-1596.	1.5	21
100	No detectable Weddell Sea Antarctic Bottom Water export during the Last and Penultimate Glacial Maximum. <i>Nature Communications</i> , 2020, 11, 424.	5.8	21
101	A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude. <i>Nature</i> , 2021, 600, 450-455.	13.7	21
102	A young porcellanite occurrence from the Southwest Indian Ridge. <i>Marine Geology</i> , 1990, 92, 155-163.	0.9	20
103	West Antarctic ice sheet change since the Last Glacial Period. <i>Eos</i> , 2007, 88, 189-190.	0.1	20
104	First marine cryptotephra in Antarctica found in sediments of the western Ross Sea correlates with englacial tephra and climate records. <i>Scientific Reports</i> , 2019, 9, 10628.	1.6	20
105	Terrigenous Sediment Supply in the Polar to Temperate South Atlantic: Land-Ocean Links of Environmental Changes during the Late Quaternary. , 2003, , 375-399.		20
106	Mineralogy of glaciomarine sediments from the Prydz Bayâ€“Kerguelen region: relation to modern depositional environments. <i>Antarctic Science</i> , 2011, 23, 164-179.	0.5	19
107	A marine diatom record from the Amundsen Sea â€” Insights into oceanographic and climatic response to the Mid-Pleistocene Transition in the West Antarctic sector of the Southern Ocean. <i>Marine Micropaleontology</i> , 2012, 92-93, 40-51.	0.5	19
108	Holocene ice dynamics and bottom-water formation associated with Cape Darnley polynya activity recorded in Burton Basin, East Antarctica. <i>Marine Geophysical Researches</i> , 2016, 37, 49-70.	0.5	19

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109	Sea ice dynamics in the Bransfield Strait, Antarctic Peninsula, during the past 240 years: a multi-proxy intercomparison study. <i>Climate of the Past</i> , 2020, 16, 2459-2483.	1.3	19
110	Kaolinite and Chlorite as Tracers of Modern and Late Quaternary Deep Water Circulation in the South Atlantic and the Adjoining Southern Ocean. , 1999, , 285-313.		18
111	Submarine landforms related to glacier retreat in a shallow Antarctic fjord. <i>Antarctic Science</i> , 2016, 28, 475-486.	0.5	18
112	Holocene hydrological variability of Lake Ladoga, northwest Russia, as inferred from diatom oxygen isotopes. <i>Boreas</i> , 2019, 48, 361-376.	1.2	18
113	Radiocarbon Evidence for the Contribution of the Southern Indian Ocean to the Evolution of Atmospheric CO ₂ Over the Last 32,000 Years. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003733.	1.3	18
114	Limited grounding-line advance onto the West Antarctic continental shelf in the easternmost Amundsen Sea Embayment during the last glacial period. <i>PLoS ONE</i> , 2017, 12, e0181593.	1.1	18
115	Correlation of Early Pliocene diatomite to low amplitude Milankovitch cycles in the ANDRILL AND-1B drill core. <i>Marine Micropaleontology</i> , 2011, 80, 114-124.	0.5	17
116	The Budget of Macrobenthic Reworked Organic Carbon: A Modeling Case Study of the North Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1446-1471.	1.3	17
117	Reflector "a" a prominent feature in the Maud Rise sediment sequence (eastern Weddell Sea): Occurrence, regional distribution and implications to silica diagenesis. <i>Marine Geology</i> , 1992, 106, 69-87.	0.9	16
118	A geochemical approach to reconstruct modern dust fluxes and sources to the South Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 205-223.	1.6	16
119	Postdepositional aerobic and anaerobic particulate organic matter degradation succession reflected by dinoflagellate cysts: The Madeira Abyssal Plain revisited. <i>Marine Geology</i> , 2019, 408, 87-109.	0.9	16
120	Biogeochemical proxies and diatoms in surface sediments across the Drake Passage reflect oceanic domains and frontal systems in the region. <i>Progress in Oceanography</i> , 2019, 174, 72-88.	1.5	16
121	Late Pleistocene oceanographic and depositional variations along the Wilkes Land margin (East) Tj ETQq1 1 0.784314 rgBT /Overlock Change, 2020, 184, 103045.	1.6	16
122	Surface sediment characteristics related to provenance and ocean circulation in the Drake Passage sector of the Southern Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 154, 103135.	0.6	14
123	Detailed Seismic Bathymetry Beneath Ekstr�m Ice Shelf, Antarctica: Implications for Glacial History and Ice-Ocean Interaction. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086187.	1.5	14
124	Iron oxide tracers of ice sheet extent and sediment provenance in the ANDRILL AND-1B drill core, Ross Sea, Antarctica. <i>Global and Planetary Change</i> , 2013, 110, 420-433.	1.6	13
125	Highly branched isoprenoids reveal onset of deglaciation followed by dynamic sea-ice conditions in the western Amundsen Sea, Antarctica. <i>Quaternary Science Reviews</i> , 2020, 228, 106103.	1.4	13
126	Early and middle Miocene ice sheet dynamics in the Ross Sea: Results from integrated core-log-seismic interpretation. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 348-370.	1.6	13

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127	From pole to pole: 33 years of physical oceanography onboard R/V <i>Polarstern</i> . <i>Earth System Science Data</i> , 2017, 9, 211-220.	3.7	13
128	Magnetic susceptibility and ice-rafted debris in surface sediments of the Atlantic sector of the Southern Ocean. <i>Geo-Marine Letters</i> , 2002, 22, 170-180.	0.5	12
129	Evidence for a large-magnitude Holocene eruption of Mount Rittmann (Antarctica): A volcanological reconstruction using the marine tephra record. <i>Quaternary Science Reviews</i> , 2020, 250, 106629.	1.4	12
130	Test deformation and chemistry of foraminifera as response to anthropogenic heavy metal input. <i>Marine Pollution Bulletin</i> , 2020, 155, 111112.	2.3	12
131	Laminae type and possible mechanisms for the formation of laminated sediments in the Shaban Deep, northern Red Sea. <i>Ocean Science</i> , 2005, 1, 113-126.	1.3	11
132	Structural limitations in deriving accurate U-series ages from calcitic cold-water corals contrast with robust coral radiocarbon and Mg/Ca systematics. <i>Chemical Geology</i> , 2013, 355, 69-87.	1.4	11
133	Holocene freshwater diatoms: palaeoenvironmental implications from south Kamchatka, Russia. <i>Boreas</i> , 2014, 43, 22-41.	1.2	11
134	Efficient Extraction of Past Seawater Pb and Nd Isotope Signatures From Southern Ocean Sediments. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009287.	1.0	11
135	Wegener Canyon Bathymetry and Results from Rock Dredging Near ODP Sites 691–693 Eastern Weddell Sea Antarctica. , 0, , .		11
136	Seasonal changes in glacial polynya activity inferred from Weddell Sea varves. <i>Climate of the Past</i> , 2014, 10, 1239-1251.	1.3	11
137	Non-destructive porosity determinations of antarctic marine sediments derived from resistivity measurements with an inductive method. <i>Marine Geophysical Researches</i> , 1993, 15, 201-218.	0.5	10
138	Deglacial changes in the strength of deep southern component water and sediment supply at the Argentine continental margin. <i>Paleoceanography</i> , 2017, 32, 796-812.	3.0	10
139	Dating Deep-Sea Sediments With ²³⁰ Th Excess Using a Constant Rate of Supply Model. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1895-1912.	1.3	10
140	Morphometry of bedrock meltwater channels on Antarctic inner continental shelves: Implications for channel development and subglacial hydrology. <i>Geomorphology</i> , 2020, 370, 107369.	1.1	10
141	The geochemical and mineralogical fingerprint of West Antarctica's weak underbelly: Pine Island and Thwaites glaciers. <i>Chemical Geology</i> , 2020, 550, 119649.	1.4	10
142	MeBo70 Seabed Drilling on a Polar Continental Shelf: Operational Report and Lessons From Drilling in the Amundsen Sea Embayment of West Antarctica. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4235-4250.	1.0	9
143	Exhumation history along the eastern Amundsen Sea coast, West Antarctica, revealed by low-temperature thermochronology. <i>Tectonics</i> , 2016, 35, 2239-2257.	1.3	8
144	Evaluation of Mumiyo Deposits From East Antarctica as Archives for the Late Quaternary Environmental and Climatic History. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 260-276.	1.0	8

#	ARTICLE	IF	CITATIONS
145	Compound-specific Radiocarbon Analysis of (Sub-)Antarctic Coastal Marine Sediments—Potential and Challenges for Chronologies. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003890.	1.3	8
146	Last Glacial Maximum to Holocene paleoceanography of the northwestern Ross Sea inferred from sediment core geochemistry and micropaleontology at Hallett Ridge. <i>Journal of Micropalaeontology</i> , 2021, 40, 15-35.	1.3	8
147	A glacial landform assemblage from an inter-ice stream setting in the eastern Amundsen Sea Embayment, West Antarctica. <i>Geological Society Memoir</i> , 2016, 46, 349-352.	0.9	7
148	Anatomy of the Holocene inundation of an isolated carbonate platform: Bermuda North Lagoon, western Atlantic. <i>Depositional Record</i> , 2018, 4, 216-254.	0.8	7
149	Environmental and Oceanographic Conditions at the Continental Margin of the Central Basin, Northwestern Ross Sea (Antarctica) Since the Last Glacial Maximum. <i>Geosciences (Switzerland)</i> , 2021, 11, 155.	1.0	7
150	Increased petrogenic and biospheric organic carbon burial in sub-Antarctic fjord sediments in response to recent glacier retreat. <i>Limnology and Oceanography</i> , 2021, 66, 4347-4362.	1.6	7
151	Glaciomarine sediment deposition on the continental slope and rise of the central Ross Sea since the Last Glacial Maximum. <i>Marine Geology</i> , 2022, 445, 106752.	0.9	7
152	The sediments of Gunnerus Ridge and Kainan Maru Seamount (Indian sector of Southern Ocean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998, 45, 1515-1540.	0.6	6
153	Lithostratigraphy from downhole logs in Hole AND-1B, Antarctica. , 2012, 8, 127-140.		6
154	Crag-and-tail features on the Amundsen Sea continental shelf, West Antarctica. <i>Geological Society Memoir</i> , 2016, 46, 199-200.	0.9	6
155	Opposite dust grain-size patterns in the Pacific and Atlantic sectors of the Southern Ocean during the last 260,000 years. <i>Quaternary Science Reviews</i> , 2021, 263, 106978.	1.4	6
156	Summer sea-ice variability on the Antarctic margin during the last glacial period reconstructed from snow petrel (<i>Pagodroma nivea</i>) stomach-oil deposits. <i>Climate of the Past</i> , 2022, 18, 381-403.	1.3	6
157	Changes in the character of glaciomarine sedimentation in the southwestern Weddell Sea, Antarctica: evidence from the core PS1423-2. <i>Annals of Glaciology</i> , 1996, 22, 200-204.	2.8	5
158	One-million year Rare Earth Element stratigraphies along an Antarctic marine sediment core. <i>Microchemical Journal</i> , 2015, 122, 164-171.	2.3	5
159	Reaction of a polar gravel-spit system to atmospheric warming and glacier retreat as reflected by morphology and internal sediment geometries (South Shetland Islands, Antarctica). <i>Earth Surface Processes and Landforms</i> , 2019, 44, 1148-1162.	1.2	5
160	Changes in the character of glaciomarine sedimentation in the southwestern Weddell Sea, Antarctica: evidence from the core PS1423-2. <i>Annals of Glaciology</i> , 1996, 22, 200-204.	2.8	5
161	Climate, glacial and vegetation history of the polar Ural Mountains since c. 27 cal ka bp, inferred from a 54 m long sediment core from Lake Bolshoye Shchuchye. <i>Journal of Quaternary Science</i> , 0, , .	1.1	5
162	Physical properties of a porcellanite layer (Southwest Indian Ridge) constrained by geophysical logging. <i>Marine Geology</i> , 1997, 140, 415-426.	0.9	4

#	ARTICLE	IF	CITATIONS
163	Chemostratigraphy of the early Pliocene diatomite interval from MIS AND-1B core (Antarctica): Palaeoenvironment implications. <i>Global and Planetary Change</i> , 2013, 102, 20-32.	1.6	4
164	Bedrock channels in Pine Island Bay, West Antarctica. <i>Geological Society Memoir</i> , 2016, 46, 217-218.	0.9	4
165	Carbonate drifts as marine archives of aeolian dust (Santaren Channel, Bahamas). <i>Sedimentology</i> , 2019, 66, 1386-1409.	1.6	4
166	Facies of late Quaternary Sediments of the Antarctic Ocean. <i>Zeitschrift Der Deutschen Geologischen Gesellschaft</i> , 1993, 144, 330-351.	0.1	4
167	Deglacial Land-Ocean Linkages at the Alaskan Continental Margin in the Bering Sea. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	4
168	Lacustrine diatom oxygen isotopes as palaeo precipitation proxy - Holocene environmental and snowmelt variations recorded at Lake Bolshoye Shchuchye, Polar Urals, Russia. <i>Quaternary Science Reviews</i> , 2022, 290, 107620.	1.4	4
169	Lithostratigraphy determined from downhole logs in the AND-2A borehole, southern Victoria Land Basin, McMurdo Sound, Antarctica. , 2013, 9, 63-73.		3
170	Terrigenous particle transports as indicators of late Quaternary deep and bottom water circulation in the South Atlantic and adjoining Southern Ocean. <i>Zeitschrift Der Deutschen Geologischen Gesellschaft</i> , 1997, 148, 405-429.	0.1	3
171	Cenozoic history of Antarctic glaciation and climate from onshore and offshore studies. , 2022, , 41-164.		3
172	Deep water inflow slowed offshore expansion of the West Antarctic Ice Sheet at the Eocene-Oligocene transition. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	3
173	Richness, growth, and persistence of life under an Antarctic ice shelf. <i>Current Biology</i> , 2021, 31, R1566-R1567.	1.8	3
174	The influence of siliciclastic input on <i>Chaetoceros</i> abundance in an early Pliocene segment of the ANDRILL AND-1B drill core. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 346-347, 87-94.	1.0	2
175	Mg/Ca-Temperature Calibration of Polar Benthic foraminifera species for reconstruction of bottom water temperatures on the Antarctic shelf. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 283, 54-66.	1.6	2
176	Variations in export production, lithogenic sediment transport and iron fertilization in the Pacific sector of the Drake Passage over the past 400 kyr. <i>Climate of the Past</i> , 2022, 18, 147-166.	1.3	2
177	Geomorphology and shallow sub-sea-floor structures underneath the Ekström Ice Shelf, Antarctica. <i>Cryosphere</i> , 2022, 16, 2051-2066.	1.5	2
178	History of Anvers-Hugo Trough, western Antarctic Peninsula shelf, since the Last Glacial Maximum. Part II: Palaeo-productivity and palaeoceanographic changes during the Last Glacial Transition. <i>Quaternary Science Reviews</i> , 2022, , 107503.	1.4	0