

# Gerhard Kuhn

## List of Publications by Citations

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176  
papers

6,495  
citations

46  
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74  
g-index

204  
ext. papers

7,344  
ext. citations

6  
avg, IF

5.44  
L-index

#	Paper	IF	Citations
176	Obliquity-paced Pliocene West Antarctic ice sheet oscillations. <i>Nature</i> , <b>2009</b> , 458, 322-8	50.4	462
175	Clay mineral distribution in surface sediments of the South Atlantic: sources, transport, and relation to oceanography. <i>Marine Geology</i> , <b>1996</b> , 130, 203-229	3.3	373
174	A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , <b>2014</b> , 100, 1-9	3.9	193
173	Increased dust deposition in the Pacific Southern Ocean during glacial periods. <i>Science</i> , <b>2014</b> , 343, 403-7	33.3	149
172	Geological record and reconstruction of the late Pliocene impact of the Eltanin asteroid in the Southern Ocean. <i>Nature</i> , <b>1997</b> , 390, 357-63	50.4	146
171	Benthic foraminiferal assemblages from the eastern Weddell Sea between 68 and 73°S: Distribution, ecology and fossilization potential. <i>Marine Micropaleontology</i> , <b>1990</b> , 16, 241-283	1.7	146
170	Calibration and application of marine sedimentary physical properties using a multi-sensor core logger. <i>Marine Geology</i> , <b>1997</b> , 136, 151-172	3.3	142
169	Millennial-scale variability in Antarctic ice-sheet discharge during the last deglaciation. <i>Nature</i> , <b>2014</b> , 510, 134-8	50.4	140
168	Last glacial sea surface temperatures and sea-ice extent in the Southern Ocean (Atlantic-Indian sector): A multiproxy approach. <i>Paleoceanography</i> , <b>2003</b> , 18, n/a-n/a		132
167	Significance of clay mineral assemblages in the Antarctic Ocean. <i>Marine Geology</i> , <b>1992</b> , 107, 249-273	3.3	132
166	Bedform signature of a West Antarctic palaeo-ice stream reveals a multi-temporal record of flow and substrate control. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 2774-2793	3.9	123
165	Opal sedimentation shifts in the World Ocean over the last 15 Myr. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 224, 509-527	5.3	114
164	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> , <b>2000</b> , 64, 3813-3827	5.5	110
163	Antarctic ice sheet sensitivity to atmospheric CO <sub>2</sub> variations in the early to mid-Miocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 3453-8	11.5	100
162	Extensive phytoplankton blooms in the Atlantic sector of the glacial Southern Ocean. <i>Paleoceanography</i> , <b>2006</b> , 21, n/a-n/a		97
161	Subglacial bedforms reveal complex basal regime in a zone of paleo-ice stream convergence, Amundsen Sea embayment, West Antarctica. <i>Geology</i> , <b>2009</b> , 37, 411-414	5	96
160	Late Pleistocene deep-water circulation in the subantarctic eastern Atlantic. <i>Global and Planetary Change</i> , <b>2001</b> , 30, 197-229	4.2	95

159	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> , <b>1999</b> , 158, 209-231	3.3	84
158	Flow and retreat of the Late Quaternary Pine Island-Thwaites palaeo-ice stream, West Antarctica. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		82
157	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> , <b>2000</b> , 162, 357-387	2.9	79
156	Deglacial history of the West Antarctic Ice Sheet in the western Amundsen Sea Embayment. <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 488-505	3.9	77
155	Paleo ice flow and subglacial meltwater dynamics in Pine Island Bay, West Antarctica. <i>Cryosphere</i> , <b>2013</b> , 7, 249-262	5.5	75
154	West Antarctic Ice Sheet retreat driven by Holocene warm water incursions. <i>Nature</i> , <b>2017</b> , 547, 43-48	50.4	73
153	Reconstruction of changes in the Weddell Sea sector of the Antarctic Ice Sheet since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , <b>2014</b> , 100, 111-136	3.9	70
152	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> , <b>2014</b> , 100, 55-86	3.9	68
151	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> , <b>2003</b> , 193, 253-271	3.3	62
150	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> , <b>2014</b> , 372, 20130054	3	61
149	Interhemispheric ice-sheet synchronicity during the Last Glacial Maximum. <i>Science</i> , <b>2011</b> , 334, 1265-9	33.3	60
148	Grounding-line retreat of the West Antarctic Ice Sheet from inner Pine Island Bay. <i>Geology</i> , <b>2013</b> , 41, 35-38	5	59
147	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> , <b>2002</b> , 182, 287-303	2.9	59
146	Pleistocene variability of Antarctic Ice Sheet extent in the Ross Embayment. <i>Quaternary Science Reviews</i> , <b>2012</b> , 34, 93-112	3.9	58
145	Pure siliceous ooze, a diagenetic environment for early chert formation. <i>Geology</i> , <b>1994</b> , 22, 207	5	58
144	Antarctic Zone nutrient conditions during the last two glacial cycles. <i>Paleoceanography</i> , <b>2015</b> , 30, 845-862		57
143	Record of a Mid-Pleistocene depositional anomaly in West Antarctic continental margin sediments: an indicator for ice-sheet collapse?. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 1147-1159	3.9	57
142	Sedimentary record of the mid-Pleistocene climate transition in the southeastern South Atlantic (ODP Site 1090). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2002</b> , 182, 241-258	2.9	55

141	Late Quaternary sediment dating and quantification of lateral sediment redistribution applying $^{230}\text{Th}$ : a study from the eastern Atlantic sector of the Southern Ocean. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , <b>1996</b> , 85, 554-566		55
140	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> , <b>2004</b> , 40, 295-313	4.2	53
139	$^{226}\text{Ra}$ in barite: Absolute dating of Holocene Southern Ocean sediments and reconstruction of sea-surface reservoir ages. <i>Geology</i> , <b>2002</b> , 30, 731	5	53
138	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> , <b>2014</b> , 41, 6265-6273	4.9	51
137	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> , <b>2003</b> , 50, 511-529	3.3	50
136	Age assignment of a diatomaceous ooze deposited in the western Amundsen Sea Embayment after the Last Glacial Maximum. <i>Journal of Quaternary Science</i> , <b>2010</b> , 25, 280-295	2.3	49
135	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> , <b>2013</b> , 344, 115-131	3.3	48
134	A geochemical record of late Holocene palaeoenvironmental changes at King George Island (maritime Antarctica). <i>Antarctic Science</i> , <b>2011</b> , 23, 255-267	1.7	47
133	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> , <b>1993</b> , 113, 201-217	3.3	47
132	Antarctic marine ice-sheet retreat in the Ross Sea during the early Holocene. <i>Geology</i> , <b>2016</b> , 44, 7-10	5	46
131	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> , <b>2012</b> , 36, 177-188	3.9	46
130	The sediment infill of subglacial meltwater channels on the West Antarctic continental shelf. <i>Quaternary Research</i> , <b>2009</b> , 71, 190-200	1.9	46
129	Circum-Antarctic age modelling of Quaternary marine cores under the Antarctic Circumpolar Current: Ice-core dust magnetic correlation. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 284, 113-123	5.3	46
128	Silica cycle in surface sediments of the South Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>1998</b> , 45, 1085-1109	2.5	46
127	Benthic Foraminiferal Assemblages and the $\delta^{13}\text{C}$ -Signal in the Atlantic Sector of the Southern Ocean: Glacial-to-Interglacial Contrasts <b>1994</b> , 105-144		45
126	Late Quaternary vegetation and lake system dynamics in north-eastern Siberia: Implications for seasonal climate variability. <i>Quaternary Science Reviews</i> , <b>2016</b> , 147, 406-421	3.9	41
125	Pushing the boundaries: Glacial/interglacial variability of intermediate and deep waters in the southwest Pacific over the last 350,000 years. <i>Paleoceanography</i> , <b>2015</b> , 30, 23-38		41
124	Climate change and human impact at Sacrower See (NE Germany) during the past 13,000 years: a geochemical record. <i>Journal of Paleolimnology</i> , <b>2010</b> , 43, 719-737	2.1	41

123	Minimal change in Antarctic Circumpolar Current flow speed between the last glacial and Holocene. <i>Nature Geoscience</i> , <b>2014</b> , 7, 113-116	18.3	40
122	Recognition of contour-current influence in mixed contourite-turbidite sequences of the western Weddell Sea, Antarctica. <i>Marine Geophysical Researches</i> , <b>2001</b> , 22, 465-485	2.3	40
121	Quantifying the opal belt in the Atlantic and southeast Pacific sector of the Southern Ocean by means of 230Th normalization. <i>Global Biogeochemical Cycles</i> , <b>2005</b> , 19, n/a-n/a	5.9	38
120	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> , <b>1999</b> , 159, 63-78	3.3	38
119	Cyclic magnetite dissolution in Pleistocene sediments of the abyssal northwest Pacific Ocean: Evidence for glacial oxygen depletion and carbon trapping. <i>Paleoceanography</i> , <b>2016</b> , 31, 600-624		37
118	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> , <b>1993</b> , 40, 739-760	2.5	37
117	Synchronicity of Kuroshio Current and climate system variability since the Last Glacial Maximum. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 452, 247-257	5.3	36
116	Neodymium and hafnium boundary contributions to seawater along the West Antarctic continental margin. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 394, 99-110	5.3	35
115	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> , <b>2014</b> , 403, 166-177	5.3	34
114	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> , <b>2012</b> , 32, 25-47	3.9	34
113	Provenance changes between recent and glacial-time sediments in the Amundsen Sea embayment, West Antarctica: clay mineral assemblage evidence. <i>Antarctic Science</i> , <b>2011</b> , 23, 471-486	1.7	34
112	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> , <b>2009</b> , 281, 363-375	2.9	33
111	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> , <b>2015</b> , 245, 207-222	4.3	32
110	First geomorphological record and glacial history of an inter-ice stream ridge on the West Antarctic continental shelf. <i>Quaternary Science Reviews</i> , <b>2013</b> , 61, 47-61	3.9	31
109	Temperate rainforests near the South Pole during peak Cretaceous warmth. <i>Nature</i> , <b>2020</b> , 580, 81-86	50.4	30
108	Distribution and characteristics of marine habitats in a subpolar bay based on hydroacoustics and bed shear stress estimates Potter Cove, King George Island, Antarctica. <i>Geo-Marine Letters</i> , <b>2014</b> , 34, 435-446	1.9	30
107	Large-scale submarine landslides, channel and gully systems on the southern Weddell Sea margin, Antarctica. <i>Marine Geology</i> , <b>2014</b> , 348, 73-87	3.3	29
106	Distribution and mineralogy of carbonate sediments on Antarctic shelves. <i>Journal of Marine Systems</i> , <b>2012</b> , 90, 77-87	2.7	29

105	Climatic and limnological changes at Lake Karakul (Tajikistan) during the last ~29 cal ka. <i>Journal of Paleolimnology</i> , <b>2017</b> , 58, 317-334	2.1	27
104	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> , <b>2014</b> , 122, 224-237	4.2	27
103	Tectonomorphic evolution of Marie Byrd Land [Implications for Cenozoic rifting activity and onset of West Antarctic glaciation. <i>Global and Planetary Change</i> , <b>2016</b> , 145, 98-115	4.2	26
102	Holocene environment of Central Kamchatka, Russia: Implications from a multi-proxy record of Two-Yurts Lake. <i>Global and Planetary Change</i> , <b>2015</b> , 134, 101-117	4.2	26
101	A new bathymetric compilation for the South Orkney Islands region, Antarctic Peninsula (49°39'W to 64°39'E): Insights into the glacial development of the continental shelf. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2014</b> , 15, 2494-2514	3.6	24
100	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> , <b>2013</b> , 381, 245-261	1.7	24
99	Evidence for a palaeo-subglacial lake on the Antarctic continental shelf. <i>Nature Communications</i> , <b>2017</b> , 8, 15591	17.4	23
98	BMPix and PEAK tools: New methods for automated laminae recognition and counting [Application to glacial varves from Antarctic marine sediment. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2010</b> , 11, n/a-n/a	3.6	23
97	Constraining the dating of late Quaternary marine sediment records from the Scotia Sea (Southern Ocean). <i>Quaternary Geochronology</i> , <b>2016</b> , 31, 97-118	2.7	23
96	Using Fourier transform infrared spectroscopy to determine mineral phases in sediments. <i>Sedimentary Geology</i> , <b>2018</b> , 375, 27-35	2.8	22
95	Neogene tectonic and climatic evolution of the Western Ross Sea, Antarctica [Chronology of events from the AND-1B drill hole. <i>Global and Planetary Change</i> , <b>2012</b> , 96-97, 189-203	4.2	22
94	Major advance of South Georgia glaciers during the Antarctic Cold Reversal following extensive sub-Antarctic glaciation. <i>Nature Communications</i> , <b>2017</b> , 8, 14798	17.4	21
93	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> , <b>2018</b> , 182, 204-232	10.2	21
92	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> , <b>2014</b> , 91, 1-15	3.9	21
91	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> , <b>2012</b> , 96-97, 41-58	4.2	21
90	Antarctic Drilling Recovers Stratigraphic Records From the Continental Margin. <i>Eos</i> , <b>2009</b> , 90, 90	1.5	20
89	Holocene ice retreat from the Lazarev Sea shelf, East Antarctica. <i>Continental Shelf Research</i> , <b>1997</b> , 17, 137-163	2.4	20
88	Reconstructing 2000 years 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> , <b>2010</b> , 72, 201-214	4.2	19

87	The southern Weddell Sea: combined contourite-turbidite sedimentation at the southeastern margin of the Weddell Gyre. <i>Geological Society Memoir</i> , <b>2002</b> , 22, 305-323	0.4	19
86	Holocene ice dynamics and bottom-water formation associated with Cape Darnley polynya activity recorded in Burton Basin, East Antarctica. <i>Marine Geophysical Researches</i> , <b>2016</b> , 37, 49-70	2.3	18
85	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> , <b>2014</b> , 10, 2215-2236	3.9	18
84	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> , <b>2010</b> , 344, 243-260	1.7	18
83	A record of Antarctic climate and ice sheet history recovered. <i>Eos</i> , <b>2007</b> , 88, 557-558	1.5	18
82	A geomorphological seabed classification for the Weddell Sea, Antarctica. <i>Marine Geophysical Researches</i> , <b>2016</b> , 37, 127-141	2.3	17
81	West Antarctic ice sheet change since the Last Glacial Period. <i>Eos</i> , <b>2007</b> , 88, 189-190	1.5	17
80	A young porcellanite occurrence from the Southwest Indian Ridge. <i>Marine Geology</i> , <b>1990</b> , 92, 155-163	3.3	16
79	Enhanced glacial discharge from the eastern Antarctic Peninsula since the 1700s associated with a positive Southern Annular Mode. <i>Scientific Reports</i> , <b>2019</b> , 9, 14606	4.9	16
78	Subglacial hydrological control on flow of an Antarctic Peninsula palaeo-ice stream. <i>Cryosphere</i> , <b>2019</b> , 13, 1583-1596	5.5	15
77	Correlation of Early Pliocene diatomite to low amplitude Milankovitch cycles in the ANDRILL AND-1B drill core. <i>Marine Micropaleontology</i> , <b>2011</b> , 80, 114-124	1.7	15
76	No detectable Weddell Sea Antarctic Bottom Water export during the Last and Penultimate Glacial Maximum. <i>Nature Communications</i> , <b>2020</b> , 11, 424	17.4	14
75	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> , <b>2018</b> , 376,	3	14
74	Holocene hydrological variability of Lake Ladoga, northwest Russia, as inferred from diatom oxygen isotopes. <i>Boreas</i> , <b>2019</b> , 48, 361-376	2.4	13
73	First marine cryptotephra in Antarctica found in sediments of the western Ross Sea correlates with englacial tephtras and climate records. <i>Scientific Reports</i> , <b>2019</b> , 9, 10628	4.9	13
72	A marine diatom record from the Amundsen Sea [Insights into oceanographic and climatic response to the Mid-Pleistocene Transition in the West Antarctic sector of the Southern Ocean. <i>Marine Micropaleontology</i> , <b>2012</b> , 92-93, 40-51	1.7	13
71	Kaolinite and Chlorite as Tracers of Modern and Late Quaternary Deep Water Circulation in the South Atlantic and the Adjoining Southern Ocean <b>1999</b> , 285-313		13
70	Reflector BC1a prominent feature in the Maud Rise sediment sequence (eastern Weddell Sea): Occurrence, regional distribution and implications to silica diagenesis. <i>Marine Geology</i> , <b>1992</b> , 106, 69-87	3.3	13

69	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> , <b>2017</b> , 12, e0181593	3.7	13
68	Terrigenous Sediment Supply in the Polar to Temperate South Atlantic: Land-Ocean Links of Environmental Changes during the Late Quaternary <b>2003</b> , 375-399		13
67	Submarine landforms related to glacier retreat in a shallow Antarctic fjord. <i>Antarctic Science</i> , <b>2016</b> , 28, 475-486	1.7	13
66	A geochemical approach to reconstruct modern dust fluxes and sources to the South Pacific. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 264, 205-223	5.5	12
65	Evidence for a dynamic grounding line in outer Filchner Trough, Antarctica, until the early Holocene. <i>Geology</i> , <b>2017</b> , 45, 1035-1038	5	12
64	Mineralogy of glaciomarine sediments from the Prydz Bay/Kerguelen region: relation to modern depositional environments. <i>Antarctic Science</i> , <b>2011</b> , 23, 164-179	1.7	12
63	Magnetic susceptibility and ice-rafted debris in surface sediments of the Atlantic sector of the Southern Ocean. <i>Geo-Marine Letters</i> , <b>2002</b> , 22, 170-180	1.9	12
62	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> , <b>2013</b> , 110, 420-433	4.2	11
61	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> , <b>2013</b> , 355, 69-87	4.2	11
60	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> , <b>2019</b> , 174, 72-88	3.8	11
59	Detailed Seismic Bathymetry Beneath Ekström Ice Shelf, Antarctica: Implications for Glacial History and Ice-Ocean Interaction. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086187	4.9	10
58	Holocene freshwater diatoms: palaeoenvironmental implications from south Kamchatka, Russia. <i>Boreas</i> , <b>2014</b> , 43, 22-41	2.4	10
57	Laminae type and possible mechanisms for the formation of laminated sediments in the Shaban Deep, northern Red Sea. <i>Ocean Science</i> , <b>2005</b> , 1, 113-126	4	10
56	Non-destructive porosity determinations of antarctic marine sediments derived from resistivity measurements with an inductive method. <i>Marine Geophysical Researches</i> , <b>1993</b> , 15, 201-218	2.3	10
55	From pole to pole: 33 years of physical oceanography onboard R/V & Polarstern. <i>Earth System Science Data</i> , <b>2017</b> , 9, 211-220	10.5	10
54	Postdepositional aerobic and anaerobic particulate organic matter degradation succession reflected by dinoflagellate cysts: The Madeira Abyssal Plain revisited. <i>Marine Geology</i> , <b>2019</b> , 408, 87-109	3.3	10
53	The Budget of Macrobenthic Reworked Organic Carbon: A Modeling Case Study of the North Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2019</b> , 124, 1446-1471	3.7	9
52	Radiocarbon Evidence for the Contribution of the Southern Indian Ocean to the Evolution of Atmospheric CO <sub>2</sub> Over the Last 32,000 Years. <i>Paleoceanography and Paleoclimatology</i> , <b>2020</b> , 35, e2019PA003733	2.3	9



51	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> , <b>2019</b> , 154, 103135	3.5	9
50	Wegener Canyon Bathymetry and Results from Rock Dredging Near ODP Sites 691?693 Eastern Weddell Sea Antarctica		9
49	Seasonal changes in glacial polynya activity inferred from Weddell Sea varves. <i>Climate of the Past</i> , <b>2014</b> , 10, 1239-1251	3.9	9
48	Late Pleistocene oceanographic and depositional variations along the Wilkes Land margin (East Antarctica) reconstructed with geochemical proxies in deep-sea sediments. <i>Global and Planetary Change</i> , <b>2020</b> , 184, 103045	4.2	9
47	Test deformation and chemistry of foraminifera as response to anthropogenic heavy metal input. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 155, 111112	6.7	7
46	Highly branched isoprenoids reveal onset of deglaciation followed by dynamic sea-ice conditions in the western Amundsen Sea, Antarctica. <i>Quaternary Science Reviews</i> , <b>2020</b> , 228, 106103	3.9	7
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14	Increased petrogenic and biospheric organic carbon burial in sub-Antarctic fjord sediments in response to recent glacier retreat. <i>Limnology and Oceanography</i> , <b>2021</b> , 66, 4347	4.8	2
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10	Cenozoic history of Antarctic glaciation and climate from onshore and offshore studies <b>2022</b> , 41-164		1
9	Morphometry of bedrock meltwater channels on Antarctic inner continental shelves: Implications for channel development and subglacial hydrology. <i>Geomorphology</i> , <b>2020</b> , 370, 107369	4.3	1
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