

Gerold Wefer

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5651641/gerold-wefer-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

209
papers

12,340
citations

64
h-index

99
g-index

223
ext. papers

13,346
ext. citations

5.4
avg, IF

6.02
L-index

#	Paper	IF	Citations
209	Isotope paleontology: growth and composition of extant calcareous species. <i>Marine Geology</i> , 1991 , 100, 207-248	3.3	452
208	Holocene rainfall variability in southern Chile: a marine record of latitudinal shifts of the Southern Westerlies. <i>Earth and Planetary Science Letters</i> , 2001 , 185, 369-382	5.3	286
207	Warming of the tropical Atlantic Ocean and slowdown of thermohaline circulation during the last deglaciation. <i>Nature</i> , 1999 , 402, 511-514	50.4	278
206	Early diagenesis of organic matter from sediments of the eastern subtropical Atlantic: evidence from stable nitrogen and carbon isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2001 , 65, 1795-1808	5.5	268
205	Correlated Millennial-Scale Changes in Surface Hydrography and Terrigenous Sediment Yield Inferred from Last-Glacial Marine Deposits off Northeastern Brazil. <i>Quaternary Research</i> , 1998 , 50, 157-168	1.9	262
204	Upwelling intensification as part of the Pliocene-Pleistocene climate transition. <i>Science</i> , 2000 , 290, 2288-2293	33.3	254
203	Seasonal variability of particle flux in the Weddell Sea and its relation to ice cover. <i>Nature</i> , 1988 , 335, 426-428	50.4	223
202	Seasonal particle flux in the Bransfield Strait, Antarctica. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1988 , 35, 891-898		191
201	High-Resolution Marine Record of Climatic Change in Mid-latitude Chile during the Last 28,000 Years Based on Terrigenous Sediment Parameters. <i>Quaternary Research</i> , 1999 , 51, 83-93	1.9	185
200	Sahel megadroughts triggered by glacial slowdowns of Atlantic meridional overturning. <i>Paleoceanography</i> , 2008 , 23, n/a-n/a		178
199	Seasonal patterns of vertical particle flux in equatorial and coastal upwelling areas of the eastern Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993 , 40, 1613-1645	2.5	174
198	Late Quaternary vegetational and climate dynamics in northeastern Brazil, inferences from marine core GeoB 3104-1. <i>Quaternary Science Reviews</i> , 2000 , 19, 981-994	3.9	170
197	Planktonic foraminifera as recorders of past surface-water stratification. <i>Geology</i> , 1997 , 25, 335	5	150
196	Annual primary production and export flux in the Southern Ocean from sediment trap data. <i>Marine Chemistry</i> , 1991 , 35, 597-613	3.7	150
195	Effects of ice coverage and ice-rafted material on sedimentation in the Fram Strait. <i>Nature</i> , 1991 , 350, 409-411	50.4	145
194	A coral oxygen isotope record from the northern Red Sea documenting NAO, ENSO, and North Pacific teleconnections on Middle East climate variability since the year 1750. <i>Paleoceanography</i> , 2000 , 15, 679-694		134
193	Fluxes of biogenic components from sediment trap deployment in circumpolar waters of the Drake Passage. <i>Nature</i> , 1982 , 299, 145-147	50.4	128

192	Distribution of planktic foraminifera at the ice margin in the Arctic (Fram Strait). <i>Marine Micropaleontology</i> , 1997 , 29, 257-269	1.7	127
191	Late glacial to Holocene climate and sedimentation history in the NW Black Sea. <i>Marine Geology</i> , 2005 , 214, 309-322	3.3	127
190	Calcium carbonate hexahydrate from organic-rich sediments of the antarctic shelf: precursors of glendonites. <i>Science</i> , 1982 , 216, 1128-31	33.3	124
189	Sensitivity of planktic foraminifera to sea surface temperature and export production as derived from sediment trap data. <i>Marine Micropaleontology</i> , 2005 , 55, 75-105	1.7	120
188	Asynchronous terrestrial and marine signals of climate change during Heinrich events. <i>Science</i> , 2004 , 306, 2236-9	33.3	119
187	Temperature:δ18O relationships of planktonic foraminifera collected from surface waters. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003 , 202, 143-152	2.9	116
186	Oxygen isotope composition of living <i>Neogloboquadrina pachyderma</i> (sin.) in the Arctic Ocean. <i>Earth and Planetary Science Letters</i> , 1997 , 146, 47-58	5.3	115
185	Late Quaternary Temperature Variability in the Benguela Current System Derived from Alkenones. <i>Quaternary Research</i> , 1999 , 52, 92-103	1.9	112
184	Lithogenic particle fluxes and grain size distributions in the deep ocean off northwest Africa: Implications for seasonal changes of aeolian dust input and downward transport. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999 , 46, 1289-1337	2.5	110
183	The role of fire in Miocene to Pliocene C4 grassland and ecosystem evolution. <i>Nature Geoscience</i> , 2013 , 6, 1027-1030	18.3	109
182	High- and low-latitude climate control on the position of the southern Peru-Chile Current during the Holocene. <i>Paleoceanography</i> , 2002 , 17, 16-1-16-10		105
181	Quaternary time scale for the Ontong Java Plateau: Milankovitch template for Ocean Drilling Program Site 806. <i>Geology</i> , 1994 , 22, 463	5	105
180	Carbonate production by algae <i>Halimeda</i> , <i>Penicillus</i> and <i>Padina</i> . <i>Nature</i> , 1980 , 285, 323-324	50.4	105
179	Temperature and productivity changes off the western Iberian margin during the last 150 ky. <i>Quaternary Science Reviews</i> , 2010 , 29, 680-695	3.9	98
178	Sedimentation of biogenic siliceous particles in Antarctic waters from the Atlantic sector. <i>Marine Micropaleontology</i> , 1987 , 11, 311-332	1.7	98
177	Link between the North and South Atlantic during the Heinrich events of the last glacial period. <i>Climate Dynamics</i> , 1999 , 15, 909-919	4.2	97
176	Late glacial to Holocene paleoenvironmental evolution of the Black Sea, reconstructed with stable oxygen isotope records obtained on ostracod shells. <i>Earth and Planetary Science Letters</i> , 2006 , 241, 863-875	5.3	95
175	Late Quaternary precessional cycles of terrigenous sediment input off the Norte Chico, Chile (27.5°S) and palaeoclimatic implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1998 , 141, 233-251	2.9	94

174	Rapid palaeoceanographic changes in the Benguela Upwelling System for the last 160,000 years as indicated by abundances of planktonic foraminifera. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997 , 130, 135-161	2.9	92
173	Deep water particle flux in the Canary Island region: seasonal trends in relation to long-term satellite derived pigment data and lateral sources. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997 , 44, 1451-1466	2.5	90
172	Orbital- and millennial-scale changes in the hydrologic cycle and vegetation in the western African Sahel: insights from individual plant wax δD and $\delta^{13}C$. <i>Quaternary Science Reviews</i> , 2010 , 29, 2996-3005	3.9	89
171	Mid-Pleistocene environmental change in tropical Africa began as early as 1.05 Ma. <i>Geology</i> , 2001 , 29, 195	5	89
170	Distinct year-to-year particle flux variations off Cape Blanc during 1988-1991: Relation to $\delta^{18}O$ -deduced sea-surface temperatures and trade winds. <i>Journal of Marine Research</i> , 1996 , 54, 73-98	1.5	89
169	A 200-year coral stable oxygen isotope record from a high-latitude reef off Western Australia. <i>Coral Reefs</i> , 1999 , 18, 1-12	4.2	88
168	Recent distribution of planktonic foraminifera in the Nansen Basin, Arctic Ocean. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1992 , 39, S507-S524		88
167	Interhemispheric symmetry of the tropical African rainbelt over the past 23,000 years. <i>Nature Geoscience</i> , 2011 , 4, 42-45	18.3	87
166	The deglacial history of the western tropical Atlantic as inferred from high resolution stable isotope records off northeastern Brazil. <i>Earth and Planetary Science Letters</i> , 1999 , 167, 105-117	5.3	85
165	Late Quaternary productivity changes in the western equatorial Atlantic: Evidence from ^{230}Th -normalized carbonate and organic carbon accumulation rates. <i>Marine Geology</i> , 1996 , 135, 127-152	3.3	85
164	Cellular calcium pathways and isotope fractionation in <i>Emiliania huxleyi</i> . <i>Geology</i> , 2006 , 34, 625	5	84
163	Annual particle flux and a winter outburst of sedimentation in the northern Norwegian Sea. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1988 , 35, 1223-1234		83
162	Last deglacial sea-surface temperature evolution in the Southeast Pacific compared to climate changes on the South American continent. <i>Quaternary Science Reviews</i> , 2002 , 21, 2085-2097	3.9	82
161	Intermediate depth warming in the tropical Atlantic related to weakened thermohaline circulation: Combining paleoclimate data and modeling results for the last deglaciation. <i>Paleoceanography</i> , 2004 , 19, n/a-n/a		81
160	Late Miocene stable isotope stratigraphy of SE Atlantic ODP Site 1085: Relation to Messinian events. <i>Marine Geology</i> , 2002 , 180, 71-85	3.3	81
159	Surface sediment distribution along the Chilean continental slope related to upwelling and productivity. <i>Marine Geology</i> , 2000 , 164, 119-137	3.3	81
158	Organic carbon fluxes in the Atlantic and the Southern Ocean: relationship to primary production compiled from satellite radiometer data. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 1961-1997	2.3	79
157	Holocene African droughts relate to eastern equatorial Atlantic cooling. <i>Geology</i> , 2005 , 33, 981	5	78

156	Overview of Glacial Atlantic Ocean Mapping (GLAMAP 2000). <i>Paleoceanography</i> , 2003 , 18, n/a-n/a		75
155	Interhemispheric comparison of deglacial sea-surface temperature patterns in Atlantic eastern boundary currents. <i>Earth and Planetary Science Letters</i> , 2002 , 194, 383-393	5.3	74
154	The impact of sediment provenance on barium-based productivity estimates. <i>Marine Geology</i> , 2000 , 169, 259-271	3.3	73
153	Abrupt changes of temperature and water chemistry in the late Pleistocene and early Holocene Black Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	71
152	Estimating the hydrogen isotopic composition of past precipitation using leaf-waxes from western Africa. <i>Quaternary Science Reviews</i> , 2013 , 65, 88-101	3.9	68
151	Stable isotope fractionation in benthic foraminifera from the Peruvian continental margin. <i>Marine Geology</i> , 1984 , 59, 215-225	3.3	67
150	The transition of the monsoonal and the N Atlantic climate system off NW Africa during the Holocene. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	66
149	Organic carbon, biogenic silica and diatom fluxes in the marginal winter sea-ice zone and in the Polar Front Region: interannual variations and differences in composition. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 1721-1745	2.3	66
148	PANGAEA – an information system for environmental sciences. <i>Computers and Geosciences</i> , 2002 , 28, 1201-1210	4.5	64
147	Glacial/interglacial variability in the Benguela upwelling system: Spatial distribution and budgets of organic carbon accumulation. <i>Global Biogeochemical Cycles</i> , 2002 , 16, 81-1-81-15	5.9	64
146	Late Quaternary rapid climate change in northern Chile. <i>Terra Nova</i> , 2000 , 12, 8-13	3	64
145	Late Quaternary paleoceanography in the Fram Strait. <i>Paleoceanography</i> , 1997 , 12, 65-78		63
144	Abrupt shifts of the Sahara-Sahel boundary during Heinrich stadials. <i>Climate of the Past</i> , 2013 , 9, 1181-1191	3.1	61
143	Possible impact of the Atlantic Multidecadal Oscillation on the South American summer monsoon. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	61
142	Dust deposition pulses to the eastern subtropical North Atlantic gyre: Does ocean's biogeochemistry respond?. <i>Global Biogeochemical Cycles</i> , 2004 , 18, n/a-n/a	5.9	61
141	Clues to ancient methane release. <i>Nature</i> , 1994 , 369, 282-282	50.4	60
140	Sediment dynamics and geohazards off Uruguay and the de la Plata River region (northern Argentina and Uruguay). <i>Geo-Marine Letters</i> , 2011 , 31, 271-283	1.9	59
139	Vertical water mass mixing and plankton blooms recorded in skeletal stable carbon isotopes of a Red Sea coral. <i>Journal of Geophysical Research</i> , 1998 , 103, 30731-30739		58

138	Growth histories of strombid snails from Bermuda recorded in their O-18 and C-13 profiles. <i>Marine Biology</i> , 1980 , 60, 129-135	2.5	58
137	Reconstruction of past nutrient utilization in the Eastern Angola Basin based on sedimentary 15N/14N ratios. <i>Paleoceanography</i> , 1997 , 12, 604-614		57
136	Vertical fluxes of diatoms and silicoflagellates in the eastern equatorial Atlantic, and their contribution to the sedimentary record. <i>Marine Micropaleontology</i> , 1996 , 28, 73-96	1.7	57
135	A slump in the trench: Tracking the impact of the 2011 Tohoku-Oki earthquake. <i>Geology</i> , 2013 , 41, 935-938		56
134	Terrigenous sediment supply along the Chilean continental margin: modern regional patterns of texture and composition. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1998 , 87, 477-494		56
133	Influence of lateral particle advection and organic matter degradation on sediment accumulation and stable nitrogen isotope ratios along a productivity gradient in the Canary Islands region. <i>Marine Geology</i> , 2001 , 177, 93-109	3.3	56
132	The early Matuyama Diatom Maximum off SW Africa, Benguela Current System (ODP Leg 175). <i>Marine Geology</i> , 1999 , 161, 93-114	3.3	56
131	Late Quaternary vegetational and climate dynamics in southeastern Brazil, inferences from marine cores GeoB 3229-2 and GeoB 3202-1. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002 , 179, 227-243	2.9	55
130	Glacial millennial-scale fluctuations in central African precipitation recorded in terrigenous sediment supply and freshwater signals offshore Cameroon. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003 , 197, 323-333	2.9	54
129	Dissolution of biogenic carbonates: Effects of skeletal structure. <i>Marine Geology</i> , 1986 , 71, 341-362	3.3	54
128	Terrestrial organic carbon accumulation on the Amazon deep sea fan during the last glacial sea level low stand. <i>Chemical Geology</i> , 1999 , 159, 263-281	4.2	53
127	Seasonal productivity dynamics in the pelagic central Benguela System inferred from the flux of carbonate and silicate organisms. <i>Journal of Marine Systems</i> , 2002 , 37, 259-278	2.7	52
126	Upwelling intensity and filament activity off Morocco during the last 250,000 years. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 3655-3674	2.3	52
125	Productivity of the glacial ocean: Discussion of the iron hypothesis. <i>Limnology and Oceanography</i> , 1991 , 36, 1899-1918	4.8	52
124	Neotropical vegetation response to rapid climate changes during the last glacial period: Palynological evidence from the Cariaco Basin. <i>Quaternary Research</i> , 2008 , 69, 217-230	1.9	51
123	High resolution planktic foraminiferal record of the last 13,300 years from the upwelling area off Chile. <i>Marine Geology</i> , 1999 , 161, 115-128	3.3	51
122	Flux and stable isotope composition of <i>Neogloboquadrina pachyderma</i> and other planktonic foraminifers in the Southern Ocean (Atlantic sector). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1994 , 41, 1733-1743	2.5	51
121	Particle fluxes in the ocean: comparison of sediment trap data with results from inverse modeling. <i>Journal of Marine Systems</i> , 2003 , 39, 167-183	2.7	50

120	Sea surface temperatures in the equatorial and South Atlantic Ocean during the Last Glacial Maximum (2319 ka). <i>Paleoceanography</i> , 2003 , 18, n/a-n/a		49
119	Origin of increased terrigenous supply to the NE South American continental margin during Heinrich Stadial 1 and the Younger Dryas. <i>Earth and Planetary Science Letters</i> , 2015 , 432, 493-500	5.3	48
118	Signature of the Brazil-Malvinas Confluence (Argentine Basin) in the isotopic composition of planktonic foraminifera from surface sediments. <i>Marine Micropaleontology</i> , 2007 , 64, 52-66	1.7	48
117	Linking desert evolution and coastal upwelling: Pliocene climate change in Namibia. <i>Geology</i> , 2005 , 33, 461	5	48
116	Late Quaternary paleoproductivity changes off the Congo deduced from stable carbon isotopes of planktonic foraminifera. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1994 , 110, 255-274	2.9	48
115	Late Quaternary vegetation and climate dynamics in the Serra da Bocaina, southeastern Brazil. <i>Quaternary International</i> , 2007 , 161, 22-31	2	47
114	Documenting large earthquakes similar to the 2011 Tohoku-oki earthquake from sediments deposited in the Japan Trench over the past 1500 years. <i>Earth and Planetary Science Letters</i> , 2016 , 445, 48-56	5.3	47
113	Tectonically-triggered sediment and carbon export to the Hadal zone. <i>Nature Communications</i> , 2018 , 9, 121	17.4	46
112	Reconstruction of atmospheric CO ₂ from ice-core data and the deep-sea record of ontong Java plateau: the Milankovitch chron. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1996 , 85, 466-495		46
111	Temperature sensitivity of planktic foraminifera and its influence on the oxygen isotope record. <i>Marine Micropaleontology</i> , 1998 , 33, 223-240	1.7	45
110	Organic carbon accumulation in the South Atlantic Ocean: its modern, mid-Holocene and last glacial distribution. <i>Global and Planetary Change</i> , 2004 , 40, 249-266	4.2	45
109	Differences in the biological carbon pump at three subtropical ocean sites. <i>Geophysical Research Letters</i> , 2002 , 29, 32-1-32-4	4.9	45
108	Climatic changes during the last deglaciation recorded in sediment cores from the northeastern Brazilian Continental Margin. <i>Geo-Marine Letters</i> , 1999 , 19, 209-218	1.9	45
107	Stable nitrogen isotopes in Angola Basin surface sediments. <i>Marine Geology</i> , 1996 , 134, 1-12	3.3	45
106	Monitoring climate variability over the past 116 years in coral oxygen isotopes from Ningaloo Reef, Western Australia. <i>International Journal of Earth Sciences</i> , 2000 , 88, 725-732	2.2	44
105	The imprint of anthropogenic CO ₂ in the Arctic Ocean: evidence from planktic $\delta^{13}C$ data from watercolumn and sediment surfaces. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 1791-1808	2.3	44
104	Seasonal variations in the stable isotopic composition and the skeletal density pattern of the coral <i>Porites lobata</i> (Gulf of Eilat, Red Sea). <i>Marine Biology</i> , 1992 , 112, 259-263	2.5	44
103	Stable isotopes in benthic foraminifera: seasonal variation in large tropical species. <i>Science</i> , 1980 , 209, 803-5	33.3	44

102	Planktonic foraminifers as tracers of ocean currents in the eastern South Atlantic. <i>Paleoceanography</i> , 1992 , 7, 607-632		43
101	Offshore influence of coastal upwelling off Mauritania, NW Africa, as recorded by diatoms in sediment traps at 2195 m water depth. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998 , 45, 985-1013	2.5	42
100	Late Quaternary insolation forcing on total organic carbon and C37 alkenone variations in the Arabian Sea. <i>Paleoceanography</i> , 2000 , 15, 307-321		42
99	Offshore advection of particles within the Cape Blanc filament, Mauritania: Results from observational and modelling studies. <i>Progress in Oceanography</i> , 2009 , 83, 322-330	3.8	41
98	Mineral ballast and particle settling rates in the coastal upwelling system off NW Africa and the South Atlantic. <i>International Journal of Earth Sciences</i> , 2009 , 98, 281-298	2.2	41
97	Correlation of stable oxygen isotope temperature record with light attenuation profiles in reef-dwelling Tridacna shells. <i>Coral Reefs</i> , 1991 , 10, 65-69	4.2	41
96	Rate of growth and longevity of a large colony of Pentapora foliacea (Bryozoa) recorded in their oxygen isotope profiles. <i>Marine Biology</i> , 1987 , 96, 535-538	2.5	41
95	On the reconstruction of upwelling history: Namibia upwelling in context. <i>Marine Geology</i> , 2002 , 180, 3-28	3.3	40
94	Paleoproductivity in the southern Peru-Chile Current through the last 33 000 yr. <i>Marine Geology</i> , 2002 , 186, 487-504	3.3	40
93	Latitudinal $\delta^{13}\text{C}_{\text{org}}$ variations in sinking matter and sediments from the South Atlantic: effects of anthropogenic CO_2 and implications for paleo- PCO_2 reconstructions. <i>Journal of Marine Systems</i> , 1998 , 17, 471-495	2.7	39
92	South Atlantic and benthic foraminifer $\delta^{13}\text{C}$ deviations: implications for reconstructing the Late Quaternary deep-water circulation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1999 , 46, 437-452	2.3	39
91	Diatom and silicoflagellate fluxes at the Walvis Ridge: An environment influenced by coastal upwelling in the Benguela system. <i>Journal of Marine Research</i> , 1996 , 54, 991-1016	1.5	39
90	Planktonic foraminifera from modern sediments reflect upwelling patterns off Iberia: Insights from a regional transfer function. <i>Marine Micropaleontology</i> , 2008 , 66, 135-164	1.7	38
89	Seasonal flux patterns of planktic foraminifera in the Peru-Chile current. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998 , 45, 1161-1185	2.5	37
88	Oxygen isotopes versus CLIMAP (18 ka) temperatures: A comparison from the tropical Atlantic. <i>Geology</i> , 1998 , 26, 675	5	37
87	Seasonal variations of the particle flux in the Peru-Chile current at 30°S under normal and El Niño conditions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 2101-2128	2.3	36
86	Eolian-transported freshwater diatoms and phytoliths across the equatorial Atlantic record: Temporal changes in Saharan dust transport patterns. <i>Journal of Geophysical Research</i> , 1999 , 104, 3211-3222		36
85	Das CO ₂ -Problem und die Rolle des Ozeans. <i>Die Naturwissenschaften</i> , 1994 , 81, 237-242	2	36

84	Evidence for orbitally controlled size variations of the East Antarctic Ice Sheet during the late Miocene. <i>Geology</i> , 2003 , 31, 777	5	35
83	Pleistocene variations in dust input and marine productivity in the northern Benguela Current: Evidence of evolution of global glacial/interglacial cycles. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003 , 193, 515-533	2.9	34
82	Mid-Holocene stable isotope record of corals from the northern Red Sea. <i>International Journal of Earth Sciences</i> , 2000 , 88, 742-751	2.2	34
81	Seasonal and interannual pigment concentration in the Canary Islands region from CZCS data and comparison with observations from the ESTOC. <i>International Journal of Remote Sensing</i> , 1999 , 20, 1419-1433	3.1	34
80	Stable isotopes in recent larger foraminifera. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1981 , 33, 253-270	2.9	34
79	Time series of in-situ particle properties and sediment trap fluxes in the coastal upwelling filament off Cape Blanc, Mauritania. <i>Progress in Oceanography</i> , 2015 , 137, 1-11	3.8	33
78	Drilling cores on the sea floor with the remote-controlled sea floor drilling rig MeBo. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2013 , 2, 329-337	1.5	33
77	Late Quaternary $\delta^{13}C$ gradients and carbonate accumulation in the western equatorial Atlantic. <i>Earth and Planetary Science Letters</i> , 1998 , 155, 237-249	5.3	33
76	Invasion of anthropogenic CO ₂ recorded in planktonic foraminifera from the northern Gulf of Aqaba. <i>International Journal of Earth Sciences</i> , 2004 , 93, 1066-1076	2.2	33
75	Temporal and spatial variability in export production in the SE Pacific Ocean: evidence from siliceous plankton fluxes and surface sediment assemblages. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2001 , 48, 2673-2697	2.5	33
74	Neues vom Ontong-Java-Plateau (Westpazifik). <i>Die Naturwissenschaften</i> , 1992 , 79, 541-550	2	33
73	South Atlantic interocean exchange as the trigger for the Bølling warm event. <i>Geology</i> , 2008 , 36, 919	5	32
72	Different precipitation patterns across tropical South America during Heinrich and Dansgaard-Oeschger stadials. <i>Quaternary Science Reviews</i> , 2017 , 177, 1-9	3.9	31
71	Stable oxygen isotopes in Porites corals monitor weekly temperature variations in the northern Gulf of Aqaba, Red Sea. <i>Coral Reefs</i> , 2003 , 22, 346-356	4.2	31
70	Brunhes-Matuyama Boundary: 790 k.y. date consistent with ODP Leg 130 oxygen isotope records based on fit to Milankovitch Template. <i>Geophysical Research Letters</i> , 1995 , 22, 1525-1528	4.9	31
69	Spatial variations in euphotic zone nitrate utilization based on $\delta^{15}N$ in surface sediments. <i>Geo-Marine Letters</i> , 1998 , 18, 58-65	1.9	30
68	Sea-surface temperature variability in the 16th century at Bermuda inferred from coral records. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002 , 179, 159-171	2.9	30
67	Short-term sedimentation pulses recorded with a fluorescence sensor and sediment traps at 9-m depth in the Canary basin. <i>Limnology and Oceanography</i> , 1996 , 41, 1354-1359	4.8	29

66	Clay-mineral flux in the Fram Strait and Norwegian Sea. <i>Marine Geology</i> , 1994 , 116, 327-345	3.3	29
65	Seasonal pteropod sedimentation in the Norwegian Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1990 , 79, 129-147	2.9	29
64	Deep ocean mass fluxes in the coastal upwelling off Mauritania from 1988 to 2012: variability on seasonal to decadal timescales. <i>Biogeosciences</i> , 2016 , 13, 3071-3090	4.6	28
63	Seasonal variability of $\delta^{15}N$ in sinking particles in the Benguela upwelling region. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002 , 49, 377-394	2.5	28
62	NW African hydrology and vegetation during the Last Glacial cycle reflected in plant-wax-specific hydrogen and carbon isotopes. <i>Quaternary Science Reviews</i> , 2013 , 82, 56-67	3.9	27
61	Oscillations of the siliceous imprint in the central Benguela Upwelling System From MIS 3 through to the early Holocene: the influence of the Southern Ocean. <i>Journal of Quaternary Science</i> , 2003 , 18, 733-743	2.3	27
60	Response of the tropical Atlantic thermocline to Late Quaternary Trade Wind changes. <i>Paleoceanography</i> , 1999 , 14, 374-383		27
59	Late Quaternary variations of sea surface salinity and temperature in the western tropical Atlantic: Evidence from $\delta^{18}O$ of Globigerinoides sacculifer. <i>Paleoceanography</i> , 1997 , 12, 764-772		26
58	Interannual variability (1988-1991) of siliceous phytoplankton fluxes off northwest Africa. <i>Journal of Plankton Research</i> , 2002 , 24, 1035-1046	2.2	26
57	Siliceous phytoplankton of the western equatorial Atlantic: sediment traps and surface sediments. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 1939-1959	2.3	26
56	Seasonal sedimentation and stable isotope records of pteropods off Cap Blanc. <i>Marine Geology</i> , 1993 , 113, 305-320	3.3	26
55	Carbon isotopic composition of the C37:2 alkenone in core top sediments of the South Atlantic Ocean: Effects of CO ₂ and nutrient concentrations. <i>Global Biogeochemical Cycles</i> , 2002 , 16, 12-1-12-12	5.9	25
54	Temporal variability of fluxes of eolian-transported freshwater diatoms, phytoliths, and pollen grains off Cape Blanc as reflection of land-atmosphere-ocean interactions in northwest Africa. <i>Journal of Geophysical Research</i> , 2003 , 108,		23
53	North Atlantic climate variability since AD 1350 recorded in $\delta^{18}O$ and skeletal density of Bermuda corals. <i>International Journal of Earth Sciences</i> , 2000 , 88, 733-741	2.2	23
52	Reconstructing marine productivity of the Cariaco Basin during marine isotope stages 3 and 4 using organic-walled dinoflagellate cysts. <i>Paleoceanography</i> , 2008 , 23, n/a-n/a		22
51	Pleistocene dissolution fluctuations from apparent depth of deposition in Core ERDC-127P, west-equatorial Pacific. <i>Marine Geology</i> , 1990 , 92, 165-176	3.3	22
50	Carbonate production by benthic Foraminifera and accumulation in the western Baltic 1. <i>Limnology and Oceanography</i> , 1978 , 23, 992-996	4.8	21
49	Seafloor Displacement After the 2011 Tohoku-oki Earthquake in the Northern Japan Trench Examined by Repeated Bathymetric Surveys. <i>Geophysical Research Letters</i> , 2017 , 44, 11,833-11,839	4.9	20

48	Seasonal variation in the flux of microplankton and radiolarian assemblage compositions in the northeastern tropical Atlantic at 2,195 m. <i>Limnology and Oceanography</i> , 1996 , 41, 615-635	4.8	20
47	Carbon isotopes in organic matter from a benthic alga <i>Halimeda incrassata</i> (Bermuda): Effects of light intensity. <i>Chemical Geology: Isotope Geoscience Section</i> , 1986 , 59, 321-326		20
46	The South Atlantic 1996 ,		20
45	Anthropogenic CO ₂ in Southern Ocean surface waters: evidence from stable organic carbon isotopes. <i>Terra Nova</i> , 1997 , 9, 153-157	3	19
44	High concentrations of biogenic barium in Pacific sediments after Termination I _B signal of changes in productivity and deep water chemistry. <i>Marine Geology</i> , 2001 , 177, 1-11	3.3	19
43	Dissolution of carbonate minerals in a subtropical shallow marine environment. <i>Marine Chemistry</i> , 1981 , 10, 545-558	3.7	19
42	Depth-related timing of density band formation in <i>Pontes</i> spp. corals from the Red Sea inferred from X-ray chronology and stable isotope composition. <i>Marine Ecology - Progress Series</i> , 1993 , 97, 99-104	2.6	19
41	Environmental and biological effects on the stable oxygen isotope records of corals in the northern Gulf of Aqaba, Red Sea. <i>Marine Ecology - Progress Series</i> , 2002 , 239, 301-310	2.6	19
40	Holocene vegetation and climate variability in the winter and summer rainfall zones of South Africa. <i>Holocene</i> , 2016 , 26, 843-857	2.6	18
39	Pliocene environmental change in West Africa and the onset of strong NE trade winds (ODP Sites 659 and 658). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014 , 414, 403-414	2.9	18
38	A high resolution camera system (ParCa) for imaging particles in the ocean: System design and results from profiles and a three-month deployment. <i>Journal of Marine Research</i> , 1996 , 54, 589-603	1.5	17
37	Radiolarian assemblages in the eastern tropical Atlantic: patterns in the plankton and in sediment trap samples. <i>Journal of Marine Systems</i> , 1996 , 8, 31-51	2.7	17
36	Miocene-Pliocene vegetation change in south-western Africa (ODP Site 1081, offshore Namibia). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015 , 423, 102-108	2.9	16
35	Suitability of monosaccharides as markers for particle identification in carbonate sediments*□ <i>Sedimentology</i> , 1980 , 27, 167-177	3.3	16
34	Stofftransport zum Meeresboden: Eine Übersicht. <i>Die Naturwissenschaften</i> , 1991 , 78, 1-6	2	14
33	Export production: seasonality and intermittency, and paleoceanographic implications. <i>Global and Planetary Change</i> , 1990 , 3, 245-254	4.2	14
32	Benthic deep-sea foraminifera; possible consequences of infaunal habitat for paleoceanographic interpretation. <i>Journal of Foraminiferal Research</i> , 1988 , 18, 147-150	1.1	14
31	How different proxies record precipitation variability over southeastern South America. <i>IOP Conference Series: Earth and Environmental Science</i> , 2010 , 9, 012007	0.3	12

30	Equatorial Pacific forcing of western Amazonian precipitation during Heinrich Stadial 1. <i>Scientific Reports</i> , 2016 , 6, 35866	4.9	11
29	Pollen distribution in the marine surface sediments of the mudbelt along the west coast of South Africa. <i>Quaternary International</i> , 2016 , 404, 44-56	2	11
28	Evidence for Congo River freshwater load in Late Quaternary sediments of ODP Site 1077 (5°S, 10°E). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002 , 187, 137-150	2.9	11
27	The carbon isotopic record of the C37:2 alkenone in the South Atlantic: Last Glacial Maximum (LGM) vs. Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005 , 221, 123-140	2.9	10
26	Changes in the Dust-Influenced Biological Carbon Pump in the Canary Current System: Implications From a Coastal and an Offshore Sediment Trap Record Off Cape Blanc, Mauritania. <i>Global Biogeochemical Cycles</i> , 2019 , 33, 1100-1128	5.9	9
25	Impact of abrupt climate change in the tropical southeast Atlantic during Marine Isotope Stage (MIS) 3. <i>Paleoceanography</i> , 2011 , 26,		9
24	Late Quaternary organic carbon accumulation south of Barbados: influence of the Orinoco and Amazon rivers?. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2000 , 47, 1101-1124	2.5	9
23	The history of coastal upwelling off Peru (11°S, ODP Leg 112, Site 680B) over the past 650 000 years. <i>Geological Society Special Publication</i> , 1992 , 64, 451-462	1.7	9
22	Transgressive facies sequence of a high energy, wave-tide-storm-influenced shoreface: A case study of the east Frisian Barrier Islands (Southern North Sea). <i>Facies</i> , 1994 , 30, 15-23	1.8	8
21	Multivariate Statistical and Multiproxy Constraints on Earthquake-Triggered Sediment Remobilization Processes in the Central Japan Trench. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2019GC008861	3.6	8
20	Early Pliocene vegetation and hydrology changes in western equatorial South America. <i>Climate of the Past</i> , 2018 , 14, 1739-1754	3.9	7
19	Palynological evidence for Holocene climatic and oceanographic changes off western South Africa. <i>Quaternary Science Reviews</i> , 2017 , 165, 88-101	3.9	6
18	Astronomical calibration of the Danian time scale. <i>Geological Society Special Publication</i> , 2001 , 183, 163-183		6
17	Calm-weather spring and neap tidal current characteristics on a shoreface-connected ridge complex in the German Bight (southern north Sea). <i>Geo-Marine Letters</i> , 1995 , 15, 30-36	1.9	6
16	Estimation of algal carbonate input to marine aragonitic sediments on the basis of xylose content. <i>Marine Geology</i> , 1984 , 54, 249-262	3.3	6
15	Steps in the intensification of Benguela upwelling over the Walvis Ridge during Miocene and Pliocene. <i>International Journal of Earth Sciences</i> , 2017 , 106, 171-183	2.2	4
14	Simple, affordable, and sustainable borehole observatories for complex monitoring objectives. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2015 , 4, 99-109	1.5	4
13	Quaternary oceans and climate change: lessons for the future?. <i>International Journal of Earth Sciences</i> , 2010 , 99, 171-189	2.2	4

12	Evidence for Mass Transport Deposits at the IODP JFAST-Site in the Japan Trench. <i>Advances in Natural and Technological Hazards Research</i> , 2014 , 33-43	1.8	4
11	A Case for Climate Cycles: Orbit, Sun and Moon 2002 , 101-123		4
10	Masked millennial-scale climate variations in South West Africa during the last glaciation. <i>Climate of the Past</i> , 2012 , 8, 841-853	3.9	3
9	Reconstruction of atmospheric CO ₂ from ice-core data and the deep-sea record of Ontong Java plateau: the Milankovitch chron. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1996 , 85, 466-495		2
8	Klima und Ozean 2001 , 51-107		2
7	Tribute to Erwin Suess on the occasion of receiving the Gustav-Steinmann-Medal award by the Geologische Vereinigung. <i>International Journal of Earth Sciences</i> , 2005 , 94, 1-2	2.2	1
6	Climate and Human Induced Impacts on the Coastal Zone of the Southern North Sea 2002 , 473-486		1
5	Long-Term Changes of Particle Flux in the Canary Basin Between 1991 and 2009 and Comparison to Sediment Trap Records Off Mauritania. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	1
4	Late-Holocene oceanic variability in the southern Benguela region driven by interplay of upwelling, fluvial discharge, and Agulhas leakage. <i>Holocene</i> , 2019 , 29, 219-230	2.6	1
3	A bi-directional Data link into the Deep Sea – The DOMEST Project. <i>Elsevier Oceanography Series</i> , 2002 , 66, 299-306		0
2	Meeresgeologische Beiträge zur Klimaforschung 1994 , 211-220		
1	Piacenzian Environmental Change and the Onset of Cool and Dry Conditions in Tropical South America. <i>Paleoceanography and Paleoclimatology</i> , 2020 , 35, e2020PA004060	3.3	