

Torsten Bickert

List of Publications by Year in descending order

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56
papers

3,593
citations

136950

32
h-index

149698

56
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66
all docs

66
docs citations

66
times ranked

3921
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep water inflow slowed offshore expansion of the West Antarctic Ice Sheet at the Eocene-Oligocene transition. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	3
2	World Atlas of late Quaternary Foraminiferal Oxygen and Carbon Isotope Ratios. <i>Earth System Science Data</i> , 2022, 14, 2553-2611.	9.9	5
3	Eastern Atlantic deep-water circulation and carbon storage inferred from neodymium and carbon isotopic compositions over the past 1.1 million years. <i>Quaternary Science Reviews</i> , 2021, 252, 106752.	3.0	4
4	Atmospheric carbon dioxide variations across the middle Miocene climate transition. <i>Climate of the Past</i> , 2021, 17, 703-719.	3.4	11
5	Archaeal intact polar lipids in polar waters: a comparison between the Amundsen and Scotia seas. <i>Biogeosciences</i> , 2021, 18, 3485-3504.	3.3	6
6	Evidence for a Northern Hemispheric trigger of the 100,000-y glacial cyclicality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
7	Changes in surface hydrography at the western tropical Atlantic during the Younger Dryas. <i>Global and Planetary Change</i> , 2020, 184, 103047.	3.5	9
8	Ocean-atmosphere interactions over the western South Atlantic during Heinrich stadials. <i>Global and Planetary Change</i> , 2020, 195, 103352.	3.5	7
9	Single Tests of Thermocline Dwelling Foraminifera <i><i>Globorotalia inflata</i></i> as Recorder of Upper Water Column Structure off Mauritania (NW Africa): Methodology and Paleoceanographic Use. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003844.	2.9	1
10	Temperate rainforests near the South Pole during peak Cretaceous warmth. <i>Nature</i> , 2020, 580, 81-86.	27.8	69
11	Astronomically paced changes in deep-water circulation in the western North Atlantic during the middle Eocene. <i>Earth and Planetary Science Letters</i> , 2018, 484, 329-340.	4.4	23
12	Millennial- to Orbital- Scale Responses of Western Equatorial Atlantic Thermocline Depth to Changes in the Trade Wind System Since the Last Interglacial. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1490-1507.	2.9	36
13	Ocean and climate response to North Atlantic seaway changes at the onset of long-term Eocene cooling. <i>Earth and Planetary Science Letters</i> , 2018, 498, 185-195.	4.4	27
14	Synchronous and proportional deglacial changes in Atlantic meridional overturning and northeast Brazilian precipitation. <i>Paleoceanography</i> , 2017, 32, 622-633.	3.0	86
15	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.	2.5	9
16	Automated cleaning of foraminifera shells before Mg/Ca analysis using a pipette robot. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3502-3511.	2.5	6
17	Effect of Vegetation on the Late Miocene Ocean Circulation. <i>Journal of Marine Science and Engineering</i> , 2015, 3, 1311-1333.	2.6	12
18	Sea-surface temperature reconstruction of the Quaternary western South Atlantic: New planktonic foraminiferal correlation function. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 425, 67-75.	2.3	8

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19	Calculation changes in the central South Atlantic during the past 145 kyrs reflected in a combined $^{231}\text{Pa}/^{230}\text{Th}$, Neodymium isotope and benthic $\delta^{13}\text{C}$ records. Earth and Planetary Science Letters, 2011, 26, .	4.4	38
20	Cenozoic climate changes: A review based on time series analysis of marine benthic $\delta^{18}\text{O}$ records. Reviews of Geophysics, 2014, 52, 333-374.	23.0	120
21	Revised Miocene splice, astronomical tuning and calcareous plankton biochronology of ODP Site 926 between 5 and 14.4Ma. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 369, 430-451.	2.3	53
22	The final Miocene carbonate crash in the Atlantic: Assessing carbonate accumulation, preservation and production. Marine Geology, 2013, 343, 39-46.	2.1	14
23	Reconstructing the environmental conditions around the Silurian Ireviken Event using the carbon isotope composition of bulk and palynomorph organic matter. Geochemistry, Geophysics, Geosystems, 2013, 14, 86-101.	2.5	22
24	A model-data comparison of $\delta^{13}\text{C}$ in the glacial Atlantic Ocean. Paleoceanography, 2011, 26, .	3.0	65
25	Mg/Ca ratios of single planktonic foraminifer shells and the potential to reconstruct the thermal seasonality of the water column. Paleoceanography, 2011, 26, .	3.0	34
26	Modern and late Pleistocene B/Ca ratios of the benthic foraminifer <i>Planulina wuellerstorfi</i> determined with laser ablation ICP-MS. Geology, 2011, 39, 1039-1042.	4.4	61
27	Incorporation of Mg and Sr in calcite of cultured benthic foraminifera: impact of calcium concentration and associated calcite saturation state. Biogeosciences, 2010, 7, 869-881.	3.3	86
28	Mid-Pliocene climate change amplified by a switch in Indonesian subsurface throughflow. Nature Geoscience, 2009, 2, 434-438.	12.9	138
29	Depth habitats and seasonal distributions of recent planktic foraminifers in the Canary Islands region (29°N) based on oxygen isotopes. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 89-106.	1.4	62
30	Southern Ocean frontal system changes precede Antarctic ice sheet growth during the middle Miocene. Earth and Planetary Science Letters, 2009, 284, 630-638.	4.4	26
31	Coherent high- and low-latitude control of the northwest African hydrological balance. Nature Geoscience, 2008, 1, 670-675.	12.9	233
32	Benthic foraminifer Mg/Ca anomalies in South Atlantic core top sediments and their implications for paleothermometry. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	41
33	Modern and Pleistocene boron isotope composition of the benthic foraminifer <i>Cibicides wuellerstorfi</i> . Earth and Planetary Science Letters, 2008, 272, 309-318.	4.4	50
34	Influence of the water content on X-ray fluorescence core-scanning measurements in soft marine sediments. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	2.5	323
35	ENSO related decadal scale climate variability from the Indo-Pacific Warm Pool. Earth and Planetary Science Letters, 2007, 253, 67-82.	4.4	40
36	The influence of seawater carbonate ion concentration $[\text{CO}_3^{2-}]$ on the stable carbon isotope composition of the planktic foraminifera species <i>Globorotalia inflata</i> . Marine Micropaleontology, 2006, 58, 243-258.	1.2	44

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37	Middle to late Miocene oxygen isotope stratigraphy of ODP site 1085 (SE Atlantic): new constrains on Miocene climate variability and sea-level fluctuations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 217, 205-222.	2.3	176
38	Glacial-interglacial variability in lower North Atlantic deep water: inference from silt grain-size analysis and carbonate preservation in the western equatorial Atlantic. <i>Marine Geology</i> , 2003, 201, 321-332.	2.1	32
39	Variability of silt grain size and planktonic foraminiferal preservation in Plio/Pleistocene sediments from the western equatorial Atlantic and Caribbean. <i>Marine Geology</i> , 2003, 201, 307-320.	2.1	19
40	The Ireviken Event in the lower Silurian of Gotland, Sweden – relation to similar Palaeozoic and Proterozoic events. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 195, 99-124.	2.3	180
41	Late Miocene stable isotope stratigraphy of SE Atlantic ODP Site 1085: Relation to Messinian events. <i>Marine Geology</i> , 2002, 180, 71-85.	2.1	90
42	Shell succession, assemblage and species dependent effects on the C/O-isotopic composition of brachiopods – examples from the Silurian of Gotland. <i>Chemical Geology</i> , 2001, 175, 61-107.	3.3	67
43	Development of facies and C/O-isotopes in transects through the Ludlow of Gotland: Evidence for global and local influences on a shallow-marine environment. <i>Facies</i> , 2000, 43, 1-38.	1.4	102
44	Link between the North and South Atlantic during the Heinrich events of the last glacial period. <i>Climate Dynamics</i> , 1999, 15, 909-919.	3.8	110
45	South Atlantic and benthic foraminifer $\delta^{13}C$ 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.	1.4	44
46	Significance of the sedimentary Al/Ti ratio as an indicator for variations in the circulation patterns of the equatorial North Atlantic. <i>Paleoceanography</i> , 1999, 14, 789-799.	3.0	64
47	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.	4.4	36
48	Paleoenvironmental changes in the Silurian indicated by stable isotopes in brachiopod shells from Gotland, Sweden. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 2717-2730.	3.9	156
49	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.	2.3	103
50	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.	1.3	12
51	The Silurian of Gotland (Sweden): facies interpretation based on stable isotopes in brachiopod shells. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1996, 85, 278-292.	1.3	1
52	High-resolution stratigraphy and the response of biota to Late Cenozoic environmental changes in the central equatorial Pacific Ocean (Manihiki Plateau). <i>Marine Geology</i> , 1995, 125, 29-59.	2.1	16
53	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.	4.0	39
54	Quaternary time scale for the Ontong Java Plateau: Milankovitch template for Ocean Drilling Program Site 806. <i>Geology</i> , 1994, 22, 463.	4.4	135

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55	The $\delta^{13}\text{C}$ in benthic foraminiferal tests of <i>Fontbotia wuellerstorfi</i> (Swager) Relative to the $\delta^{13}\text{C}$ of dissolved inorganic carbon in Southern Ocean Deep Water: Implications for glacial ocean circulation models. <i>Paleoceanography</i> , 1993, 8, 587-610.	3.0	312
56	Coccoliths in sediment traps from the Norwegian Sea. <i>Marine Micropaleontology</i> , 1990, 16, 39-64.	1.2	104