Torsten Bickert

List of Publications by Year
in descending order

56 papers	3,593 citations	136950 32 h-index	149698 56 g-index
66 all docs	66 docs citations	66 times ranked	3921 citing authors

#	Article	IF	Citations
1	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
2	The Î´¹³C in benthic foraminiferal tests of <i>Fontbotia wuellerstorfi</i> (Schwager) Relative to the Î´¹³C of dissolved inorganic carbon in Southern Ocean Deep Water: Implications for glacial ocean circulation models. Paleoceanography, 1993, 8, 587-610.	3.0	312
3	Coherent high- and low-latitude control of the northwest African hydrological balance. Nature Geoscience, 2008, 1, 670-675.	12.9	233
4	The Ireviken Event in the lower Silurian of Gotland, Sweden â€“ relation to similar Palaeozoic and Proterozoic events. Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 195, 99-124.	2.3	180
5	Middle to late Miocene oxygen isotope stratigraphy of ODP site 1085 (SE Atlantic): new constrains on Miocene climate variability and sea-level fluctuations. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 217, 205-222.	2.3	176
6	Paleoenvironmental changes in the Silurian indicated by stable isotopes in brachiopod shells from Gotland, Sweden. Geochimica Et Cosmochimica Acta, 1997, 61, 2717-2730.	3.9	156
7	Mid-Pliocene climate change amplified by a switch in Indonesian subsurface throughflow. Nature Geoscience, 2009, 2, 434-438.	12.9	138
8	Quaternary time scale for the Ontong Java Plateau: Milankovitch template for Ocean Drilling Program Site 806. Geology, 1994, 22, 463.	4.4	135
9	Cenozoic climate changes: A review based on time series analysis of marine benthic Î´ ¹⁸ O records. Reviews of Geophysics, 2014, 52, 333-374.	23.0	120
10	Link between the North and South Atlantic during the Heinrich events of the last glacial period. Climate Dynamics, 1999, 15, 909-919.	3.8	110
11	Coccoliths in sediment traps from the Norwegian Sea. Marine Micropaleontology, 1990, 16, 39-64.	1.2	104
12	Rapid palaeoceanographic changes in the Benguela Upwelling System for the last 160,000 years as indicated by abundances of planktonic foraminifera. Palaeogeography, Palaeoclimatology, Palaeoecology, 1997, 130, 135-161.	2.3	103
13	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. Facies, 2000, 43, 1-38.	1.4	102
14	Late Miocene stable isotope stratigraphy of SE Atlantic ODP Site 1085: Relation to Messinian events. Marine Geology, 2002, 180, 71-85.	2.1	90
15	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
16	Synchronous and proportional deglacial changes in Atlantic meridional overturning and northeast Brazilian precipitation. Paleoceanography, 2017, 32, 622-633.	3.0	86
17	Temperate rainforests near the South Pole during peak Cretaceous warmth. Nature, 2020, 580, 81-86.	27.8	69
18	Shell succession, assemblage and species dependent effects on the C/O-isotopic composition of brachiopods â€” examples from the Silurian of Gotland. Chemical Geology, 2001, 175, 61-107.	3.3	67

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19	A modelâ€data comparison of <i>Î´</i>¹³C in the glacial Atlantic Ocean. Paleoceanography, 2011, 26, .	3.0	65
20	Significance of the sedimentary Alâˆ¶Ti ratio as an indicator for variations in the circulation patterns of the equatorial North Atlantic. Paleoceanography, 1999, 14, 789-799.	3.0	64
21	Depth habitats and seasonal distributions of recent planktic foraminifers in the Canary Islands region (29Â°N) based on oxygen isotopes. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 89-106.	1.4	62
22	Modern and late Pleistocene B/Ca ratios of the benthic foraminifer Planulina wuellerstorfi determined with laser ablation ICP-MS. Geology, 2011, 39, 1039-1042.	4.4	61
23	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
24	Modern and Pleistocene boron isotope composition of the benthic foraminifer Cibicidoides wuellerstorfi. Earth and Planetary Science Letters, 2008, 272, 309-318.	4.4	50
25	South Atlantic and benthic foraminifer Î´13C deviations: implications for reconstructing the Late Quaternary deep-water circulation. Deep-Sea Research Part II: Topical Studies in Oceanography, 1999, 46, 437-452.	1.4	44
26	The influence of seawater carbonate ion concentration [CO32âˆ'] on the stable carbon isotope composition of the planktic foraminifera species Globorotalia inflata. Marine Micropaleontology, 2006, 58, 243-258.	1.2	44
27	Benthic foraminifer Mg/Ca anomalies in South Atlantic core top sediments and their implications for paleothermometry. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	41
28	ENSO related decadal scale climate variability from the Indo-Pacific Warm Pool. Earth and Planetary Science Letters, 2007, 253, 67-82.	4.4	40
29	Brunhes-Matuyama Boundary: 790 k.y. date consistent with ODP Leg 130 oxygen isotope records based on fit to Milankovitch Template. Geophysical Research Letters, 1995, 22, 1525-1528.	4.0	39
30	Deep circulation changes in the central South Atlantic during the past 145 kyrs reflected in a combined 231Pa/230Th, Neodymium isotope and benthic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Î´</mml:mi><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> record. Earth an	4.4	38
31	Late Quaternary Î´13C gradients and carbonate accumulation in the western equatorial Atlantic. Earth and Planetary Science Letters, 1998, 155, 237-249.	4.4	36
32	Millennialâ€to Orbitalâ€Scale Responses of Western Equatorial Atlantic Thermocline Depth to Changes in the Trade Wind System Since the Last Interglacial. Paleoceanography and Paleoclimatology, 2018, 33, 1490-1507.	2.9	36
33	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
34	Glacialâ€"interglacial variability in lower North Atlantic deep water: inference from silt grain-size analysis and carbonate preservation in the western equatorial Atlantic. Marine Geology, 2003, 201, 321-332.	2.1	32
35	Ocean and climate response to North Atlantic seaway changes at the onset of long-term Eocene cooling. Earth and Planetary Science Letters, 2018, 498, 185-195.	4.4	27
36	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

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37	Astronomically paced changes in deep-water circulation in the western North Atlantic during the middle Eocene. Earth and Planetary Science Letters, 2018, 484, 329-340.	4.4	23
38	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
39	Variability of silt grain size and planktonic foraminiferal preservation in Plio/Pleistocene sediments from the western equatorial Atlantic and Caribbean. Marine Geology, 2003, 201, 307-320.	2.1	19
40	Evidence for a Northern Hemispheric trigger of the 100,000-y glacial cyclicity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
41	High-resolution stratigraphy and the response of biota to Late Cenozoic environmental changes in the central equatorial Pacific Ocean (Manihiki Plateau). Marine Geology, 1995, 125, 29-59.	2.1	16
42	The final Miocene carbonate crash in the Atlantic: Assessing carbonate accumulation, preservation and production. Marine Geology, 2013, 343, 39-46.	2.1	14
43	Effect of Vegetation on the Late Miocene Ocean Circulation. Journal of Marine Science and Engineering, 2015, 3, 1311-1333.	2.6	12
44	Reconstruction of atmospheric CO 2 from ice-core data and the deep-sea record of Ontong Java plateau: the Milankovitch chron. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1996, 85, 466-495.	1.3	12
45	Atmospheric carbon dioxide variations across the middle Miocene climate transition. Climate of the Past, 2021, 17, 703-719.	3.4	11
46	MeBo70 Seabed Drilling on a Polar Continental Shelf: Operational Report and Lessons From Drilling in the Amundsen Sea Embayment of West Antarctica. Geochemistry, Geophysics, Geosystems, 2017, 18, 4235-4250.	2.5	9
47	Changes in surface hydrography at the western tropical Atlantic during the Younger Dryas. Global and Planetary Change, 2020, 184, 103047.	3.5	9
48	Sea-surface temperature reconstruction of the Quaternary western South Atlantic: New planktonic foraminiferal correlation function. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 425, 67-75.	2.3	8
49	Ocean-atmosphere interactions over the western South Atlantic during Heinrich stadials. Global and Planetary Change, 2020, 195, 103352.	3.5	7
50	Automated cleaning of foraminifera shells before Mg/Ca analysis using a pipette robot. Geochemistry, Geophysics, Geosystems, 2016, 17, 3502-3511.	2.5	6
51	Archaeal intact polar lipids in polar waters: a comparison between the Amundsen and Scotia seas. Biogeosciences, 2021, 18, 3485-3504.	3.3	6
52	World Atlas of late Quaternary Foraminiferal Oxygen and Carbon Isotope Ratios. Earth System Science Data, 2022, 14, 2553-2611.	9.9	5
53	Eastern Atlantic deep-water circulation and carbon storage inferred from neodymium and carbon isotopic compositions over the past 1.1 million years. Quaternary Science Reviews, 2021, 252, 106752.	3.0	4
54	Deep water inflow slowed offshore expansion of the West Antarctic Ice Sheet at the Eocene-Oligocene transition. Communications Earth & Environment, 2022, 3, .	6.8	3

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55	Single Tests of Thermocline Dwelling Foraminifera <i>Globorotalia inflata</i> as Recorder of Upper Water Column Structure off Mauritania (NW Africa): Methodology and Paleoceanographic Use. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003844.	2.9	1
56	The Silurian of Gotland (Sweden): facies interpretation based on stable isotopes in brachiopod shells. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1996, 85, 278-292.	1.3	1