Katharina Billups

List of Publications by Year
in descending order

53 papers	10,321 citations	279798 23 h-index	189892 50 g-index
56 all docs	56 docs citations	56 times ranked	10054 citing authors

#	Article	IF	Citations
1	Trends, Rhythms, and Aberrations in Global Climate 65 Ma to Present. Science, 2001, 292, 686-693.	12.6	8,416
2	Paleotemperatures and ice volume of the past 27 Myr revisited with paired Mg/Ca and18O/16O measurements on benthic foraminifera. Paleoceanography, 2002, 17, 3-1-3-11.	3.0	223
3	Interlaboratory comparison study of Mg/Ca and Sr/Ca measurements in planktonic foraminifera for paleoceanographic research. Geochemistry, Geophysics, Geosystems, 2004, 5, n/a-n/a.	2.5	170
4	Application of benthic foraminiferal Mg/Ca ratios to questions of Cenozoic climate change. Earth and Planetary Science Letters, 2003, 209, 181-195.	4.4	155
5	Astronomic calibration of the late Oligocene through early Miocene geomagnetic polarity time scale. Earth and Planetary Science Letters, 2004, 224, 33-44.	4.4	120
6	Late Miocene through early Pliocene deep water circulation and climate change viewed from the sub-Antarctic South Atlantic. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 185, 287-307.	2.3	111
7	Variations in mid-latitude North Atlantic surface water properties during the mid-Brunhes (MIS 9â€“14) and their implications for the thermohaline circulation. Climate of the Past, 2010, 6, 531-552.	3.4	101
8	Late Oligocene to early Miocene geochronology and paleoceanography from the subantarctic South Atlantic. Paleoceanography, 2002, 17, 4-1-4-11.	3.0	96
9	Eocene to Miocene magnetostratigraphy, biostratigraphy, and chemostratigraphy at ODP Site 1090 (sub-Antarctic South Atlantic). Bulletin of the Geological Society of America, 2003, 115, 607-623.	3.3	72
10	Link between oceanic heat transport, thermohaline circulation, and the Intertropical Convergence Zone in the early Pliocene Atlantic. Geology, 1999, 27, 319.	4.4	64
11	Evolution of millennialâ€scale climate variability during the midâ€Pleistocene. Paleoceanography, 2008, 23, .	3.0	51
12	Early Pliocene deep water circulation in the western equatorial Atlantic: Implications for high-latitude climate change. Paleoceanography, 1998, 13, 84-95.	3.0	50
13	Late Miocene carbon isotope records and marine biological productivity: Was there a (dusty) link?. Paleoceanography, 2006, 21, .	3.0	50
14	Reconstructing the stable isotope geochemistry and paleotemperatures of the equatorial Atlantic during the last 150,000 years: Results from individual foraminifera. Paleoceanography, 1996, 11, 217-238.	3.0	48
15	Midâ€Miocene paleoproductivity in the Atlantic Ocean and implications for the global carbon cycle. Paleoceanography, 2009, 24, .	3.0	44
16	Breathing more deeply: Deep ocean carbon storage during the mid-Pleistocene climate transition. Geology, 2016, 44, 1035-1038.	4.4	44
17	Early Pliocene climate: A perspective from the western equatorial Atlantic Warm Pool. Paleoceanography, 1998, 13, 459-470.	3.0	35
18	Relationship between shell size, thickness and stable isotopes in individual planktonic foraminifera from two Equatorial Atlantic cores. Journal of Foraminiferal Research, 1995, 25, 24-37.	0.5	33

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19	The intensification of northern component deepwater formation during the midâ€Pleistocene climate transition. Paleoceanography, 2014, 29, 1046-1061.	3.0	33
20	Comparison of radiolarian and sedimentologic paleoproductivity proxies in the latest Mioceneâ€“Recent Benguela Upwelling System. Marine Micropaleontology, 2006, 60, 269-294.	1.2	26
21	Productivity changes across the mid-Pleistocene climate transition. Earth-Science Reviews, 2018, 179, 372-391.	9.1	25
22	Amino acid racemization in mono-specific foraminifera from Quaternary deep-sea sediments. Quaternary Geochronology, 2013, 16, 50-61.	1.4	24
23	Cenozoic pelagic Sr/Ca records: Exploring a link to paleoproductivity. Paleoceanography, 2004, 19, n/a-n/a.	3.0	23
24	Enhanced paleoproductivity across the Oligocene/Miocene boundary as evidenced by benthic foraminiferal accumulation rates. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 302, 464-473.	2.3	23
25	Stable-isotope stratigraphy of the Plioceneâ€“Pleistocene climate transition in the northwestern subtropical Pacific. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 326-328, 54-65.	2.3	22
26	Surface ocean density gradients during the Last Glacial Maximum. Paleoceanography, 2000, 15, 110-123.	3.0	19
27	Mid Pleistocene climate instability in the subtropical northwestern Atlantic. Global and Planetary Change, 2006, 54, 251-262.	3.5	19
28	Millennial-scale fluctuations in subtropical northwestern Atlantic surface ocean hydrography during the mid-Pleistocene. Paleoceanography, 2004, 19, n/a-n/a.	3.0	18
29	Paleoproductivity during the middle Miocene carbon isotope events: A dataâ€model approach. Paleoceanography, 2013, 28, 334-346.	3.0	17
30	Origin of millennial-scale climate signals in the subtropical North Atlantic. Paleoceanography, 2014, 29, 612-627.	3.0	16
31	Suborbital-scale surface and deep water records in the subtropical North Atlantic: implications on thermohaline overturn. Quaternary Science Reviews, 2011, 30, 2976-2987.	3.0	15
32	Increased sensitivity of the Plio-Pleistocene northwest Pacific to obliquity forcing. Earth and Planetary Science Letters, 2013, 384, 121-131.	4.4	15
33	Millennial-scale variability in western tropical Atlantic surface ocean hydrography during the early Pliocene. Marine Micropaleontology, 2005, 54, 155-166.	1.2	14
34	The late Miocene to early Pliocene climate transition in the Southern Ocean. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 267, 31-40.	2.3	14
35	Radiolarian and sedimentologic paleoproductivity proxies in late Pleistocene sediments of the Benguela Upwelling System, ODP Site 1084. Marine Micropaleontology, 2008, 68, 223-235.	1.2	13
36	Paleoproductivity in the northwestern Pacific Ocean during the Plioceneâ€Pleistocene climate transition (3.0â€“1.8â€‰Ma). Paleoceanography, 2017, 32, 92-103.	3.0	12

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37	Water Column Stratification in the Antarctic Zone of the Southern Ocean During the Midâ€Pleistocene Climate Transition. Paleoceanography and Paleoclimatology, 2018, 33, 432-442.	2.9	10
38	Surface water hydrography of the Kuroshio Extension during the Plioceneâ€“Pleistocene climate transition. Marine Micropaleontology, 2013, 101, 106-114.	1.2	9
39	ExploringGloborotalia truncatulinoidescoiling ratios as a proxy for subtropical gyre dynamics in the northwestern Atlantic Ocean during late Pleistocene Ice Ages. Paleoceanography, 2016, 31, 553-563.	3.0	9
40	INVESTIGATING FAUNAL AND GEOCHEMICAL METHODS FOR TRACING SALINITY IN AN ATLANTIC COASTAL LAGOON, DELAWARE, USA. Journal of Foraminiferal Research, 2010, 40, 16-35.	0.5	8
41	TRACING THERMOHALINE PROPERTIES AND PRODUCTIVITY OF SHELF-WATER MASSES USING THE STABLE ISOTOPIC COMPOSITION OF BENTHIC FORAMINIFERA. Journal of Foraminiferal Research, 2014, 44, 352-364.	0.5	8
42	Late Miocene through early Pleistocene nutrient utilization and export production in the Antarctic Zone of the Southern Ocean. Global and Planetary Change, 2013, 100, 353-361.	3.5	6
43	North Atlantic Upperâ€Ocean Hydrography During the Midâ€Pleistocene Transition Evidenced by Globorotalia truncatulinoides Coiling Ratios. Paleoceanography and Paleoclimatology, 2019, 34, 658-671.	2.9	6
44	Low-down on a rhythmic high. Nature, 2004, 427, 686-687.	27.8	5
45	Snow maker for the ice ages. Nature, 2005, 433, 809-810.	27.8	5
46	Timing is everything during deglaciations. Nature, 2015, 522, 163-164.	27.8	5
47	A topâ€down and bottomâ€up comparison of paleoproductivity proxies: Calcareous nannofossil Sr/Ca ratios and benthic foraminiferal accumulation rates. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	4
48	Reconstructing Western Boundary Current Stability in the North Atlantic Ocean for the Past 700 Kyr From Globorotalia truncatulinoides Coiling Ratios. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA003958.	2.9	4
49	A 1 Million Year Record of Biogenic Silica in the Indian Ocean Sector of the Southern Ocean: Regional Versus Global Forcing of Primary Productivity. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004033.	2.9	4
50	Sensitivity of Benthic Foraminifera to Carbon Flux in the Western Tropical Pacific Ocean. Journal of Foraminiferal Research, 2020, 50, 235-247.	0.5	3
51	A tale of two climates. Nature Geoscience, 2008, 1, 294-295.	12.9	0
52	Microfossils Reveal the Workings of a Water Planet. Geology, 2010, 38, 863-864.	4.4	0
53	Investigating the stable isotopic composition of Globocassidulina biora as a potential tracer of (paleo)environmental conditions near the Antarctic Peninsula. Marine Micropaleontology, 2021, 169, 102052.	1.2	0