

S M Bohaty

List of Publications by Year in descending order

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55
papers

6,504
citations

94433

37
h-index

155660

55
g-index

55
all docs

55
docs citations

55
times ranked

4770
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	Searching for Function: Reconstructing Adaptive Niche Changes Using Geochemical and Morphological Data in Planktonic Foraminifera. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	5
3	Evidence for a Highly Dynamic West Antarctic Ice Sheet During the Pliocene. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093103.	4.0	9
4	North Atlantic marine biogenic silica accumulation through the early to middle Paleogene: implications for ocean circulation and silicate weathering feedback. <i>Climate of the Past</i> , 2021, 17, 1937-1954.	3.4	6
5	An astronomically dated record of Earth's climate and its predictability over the last 66 million years. <i>Science</i> , 2020, 369, 1383-1387.	12.6	791
6	Early Paleogene biosiliceous sedimentation in the Atlantic Ocean: Testing the inorganic origin hypothesis for Paleocene and Eocene chert and porcellanite. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 556, 109896.	2.3	10
7	Temperate rainforests near the South Pole during peak Cretaceous warmth. <i>Nature</i> , 2020, 580, 81-86.	27.8	69
8	North Atlantic Evidence for a Unipolar Icehouse Climate State at the Eocene-Oligocene Transition. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1124-1138.	2.9	13
9	Harmful algae and export production collapse in the equatorial Atlantic during the zenith of Middle Eocene Climatic Optimum warmth. <i>Geology</i> , 2019, 47, 247-250.	4.4	21
10	Widespread Warming Before and Elevated Barium Burial During the Paleocene-Eocene Thermal Maximum: Evidence for Methane Hydrate Release?. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 546-566.	2.9	33
11	The Early to Middle Eocene Transition: An Integrated Calcareous Nannofossil and Stable Isotope Record From the Northwest Atlantic Ocean (Integrated Ocean Drilling Program Site U1410). <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1913-1930.	2.9	17
12	Southern Ocean warming and Wilkes Land ice sheet retreat during the mid-Miocene. <i>Nature Communications</i> , 2018, 9, 317.	12.8	80
13	Late Lutetian Thermal Maximum "Crossing a Thermal Threshold in Earth's Climate System?. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 73-82.	2.5	29
14	Orbitally Forced Hyperstratification of the Oligocene South Atlantic Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 511-529.	2.9	9
15	Synchronous tropical and polar temperature evolution in the Eocene. <i>Nature</i> , 2018, 559, 382-386.	27.8	185
16	Tropical Atlantic climate and ecosystem regime shifts during the Paleocene-Eocene Thermal Maximum. <i>Climate of the Past</i> , 2018, 14, 39-55.	3.4	38
17	Middle Eocene greenhouse warming facilitated by diminished weathering feedback. <i>Nature Communications</i> , 2018, 9, 2877.	12.8	43
18	Transient temperature asymmetry between hemispheres in the Palaeogene Atlantic Ocean. <i>Nature Geoscience</i> , 2018, 11, 656-660.	12.9	42

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19	Antarctic climate, Southern Ocean circulation patterns, and deep water formation during the Eocene. <i>Paleoceanography</i> , 2017, 32, 674-691.	3.0	33
20	Evolution of the early Antarctic ice ages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3867-3872.	7.1	84
21	Initiation and long-term instability of the East Antarctic Ice Sheet. <i>Nature</i> , 2017, 552, 225-229.	27.8	95
22	An Antarctic stratigraphic record of stepwise ice growth through the Eocene-Oligocene transition. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 318-330.	3.3	35
23	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
24	Cyclostratigraphy and eccentricity tuning of the early Oligocene through early Miocene (30.1–17.1 Ma). <i>Earth and Planetary Science Letters</i> , 2016, 450, 392-405.	4.4	68
25	Robustness of fossil fish teeth for seawater neodymium isotope reconstructions under variable redox conditions in an ancient shallow marine setting. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 679-698.	2.5	28
26	Antarctic Ice Sheet variability across the Eocene-Oligocene boundary climate transition. <i>Science</i> , 2016, 352, 76-80.	12.6	116
27	Astronomical calibration of the geological timescale: closing the middle Eocene gap. <i>Climate of the Past</i> , 2015, 11, 1181-1195.	3.4	71
28	Isotopic interrogation of a suspected late Eocene glaciation. <i>Paleoceanography</i> , 2014, 29, 628-644.	3.0	46
29	Dynamic behaviour of the East Antarctic ice sheet during Pliocene warmth. <i>Nature Geoscience</i> , 2013, 6, 765-769.	12.9	219
30	A 40-million-year history of atmospheric CO ₂ . <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20130096.	3.4	344
31	Early Eocene to middle Miocene cooling and aridification of East Antarctica. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1399-1410.	2.5	52
32	Relative sea-level rise around East Antarctica during Oligocene glaciation. <i>Nature Geoscience</i> , 2013, 6, 380-384.	12.9	63
33	A middle Eocene carbon cycle conundrum. <i>Nature Geoscience</i> , 2013, 6, 429-434.	12.9	68
34	Reorganization of Southern Ocean Plankton Ecosystem at the Onset of Antarctic Glaciation. <i>Science</i> , 2013, 340, 341-344.	12.6	97
35	Eocene cooling linked to early flow across the Tasmanian Gateway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9645-9650.	7.1	204
36	Environmental magnetic record of paleoclimate, unroofing of the Transantarctic Mountains, and volcanism in late Eocene to early Miocene glacial marine sediments from the Victoria Land Basin, Ross Sea, Antarctica. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1845-1861.	3.4	18

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37	A Cenozoic record of the equatorial Pacific carbonate compensation depth. <i>Nature</i> , 2012, 488, 609-614.	27.8	342
38	Chronostratigraphic framework for the IODP Expedition 318 cores from the Wilkes Land Margin: Constraints for paleoceanographic reconstruction. <i>Paleoceanography</i> , 2012, 27, .	3.0	72
39	Persistent near-tropical warmth on the Antarctic continent during the early Eocene epoch. <i>Nature</i> , 2012, 488, 73-77.	27.8	266
40	Magnetotactic bacterial abundance in pelagic marine environments is limited by organic carbon flux and availability of dissolved iron. <i>Earth and Planetary Science Letters</i> , 2011, 310, 441-452.	4.4	150
41	Two-stepping into the icehouse: East Antarctic weathering during progressive ice-sheet expansion at the Eocene–Oligocene transition. <i>Geology</i> , 2011, 39, 383-386.	4.4	72
42	The Role of Carbon Dioxide During the Onset of Antarctic Glaciation. <i>Science</i> , 2011, 334, 1261-1264.	12.6	262
43	Progressive Cenozoic cooling and the demise of Antarctica's last refugium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11356-11360.	7.1	106
44	Transient Middle Eocene Atmospheric CO ₂ and Temperature Variations. <i>Science</i> , 2010, 330, 819-821.	12.6	179
45	High-resolution deep-sea carbon and oxygen isotope records of Eocene Thermal Maximum 2 and H2. <i>Geology</i> , 2010, 38, 607-610.	4.4	128
46	<i>CREANIA LACYAE</i> GEN. NOV. ET SP. NOV. AND <i>SYNEDROPSIS CHEETHAMII</i> SP. NOV., FOSSIL INDICATORS OF ANTARCTIC SEA ICE?. <i>Diatom Research</i> , 2009, 24, 357-375.	1.2	15
47	Coupled greenhouse warming and deep-sea acidification in the middle Eocene. <i>Paleoceanography</i> , 2009, 24, .	3.0	251
48	Middle Eocene–late Oligocene climate variability: Calcareous nannofossil response at Kerguelen Plateau, Site 748. <i>Marine Micropaleontology</i> , 2008, 69, 173-192.	1.2	157
49	Antarctic records of precession-paced insolation-driven warming during early Pleistocene Marine Isotope Stage 31. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	86
50	North American continental margin records of the Paleocene–Eocene thermal maximum: Implications for global carbon and hydrological cycling. <i>Paleoceanography</i> , 2008, 23, .	3.0	176
51	Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	168
52	The Palaeocene–Eocene carbon isotope excursion: constraints from individual shell planktonic foraminifer records. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 1829-1842.	3.4	102
53	Environmental precursors to rapid light carbon injection at the Palaeocene/Eocene boundary. <i>Nature</i> , 2007, 450, 1218-1221.	27.8	296
54	Significant Southern Ocean warming event in the late middle Eocene. <i>Geology</i> , 2003, 31, 1017.	4.4	322

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55	Warming the fuel for the fire: Evidence for the thermal dissociation of methane hydrate during the Paleocene-Eocene thermal maximum. <i>Geology</i> , 2002, 30, 1067.	4.4	301