

# S M Bohaty

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2966483/publications.pdf>

Version: 2024-02-01

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	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
2	A 40-million-year history of atmospheric CO <sub>2</sub> . <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20130096.	3.4	344
3	A Cenozoic record of the equatorial Pacific carbonate compensation depth. <i>Nature</i> , 2012, 488, 609-614.	27.8	342
4	Significant Southern Ocean warming event in the late middle Eocene. <i>Geology</i> , 2003, 31, 1017.	4.4	322
5	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
6	Environmental precursors to rapid light carbon injection at the Palaeocene/Eocene boundary. <i>Nature</i> , 2007, 450, 1218-1221.	27.8	296
7	Persistent near-tropical warmth on the Antarctic continent during the early Eocene epoch. <i>Nature</i> , 2012, 488, 73-77.	27.8	266
8	The Role of Carbon Dioxide During the Onset of Antarctic Glaciation. <i>Science</i> , 2011, 334, 1261-1264.	12.6	262
9	Coupled greenhouse warming and deep-sea acidification in the middle Eocene. <i>Paleoceanography</i> , 2009, 24, .	3.0	251
10	Dynamic behaviour of the East Antarctic ice sheet during Pliocene warmth. <i>Nature Geoscience</i> , 2013, 6, 765-769.	12.9	219
11	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
12	Synchronous tropical and polar temperature evolution in the Eocene. <i>Nature</i> , 2018, 559, 382-386.	27.8	185
13	Transient Middle Eocene Atmospheric CO <sub>2</sub> and Temperature Variations. <i>Science</i> , 2010, 330, 819-821.	12.6	179
14	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
15	Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	168
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Antarctic Ice Sheet variability across the Eocene-Oligocene boundary climate transition. <i>Science</i> , 2016, 352, 76-80.	12.6	116
20	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
21	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
22	Reorganization of Southern Ocean Plankton Ecosystem at the Onset of Antarctic Glaciation. <i>Science</i> , 2013, 340, 341-344.	12.6	97
23	Initiation and long-term instability of the East Antarctic Ice Sheet. <i>Nature</i> , 2017, 552, 225-229.	27.8	95
24	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
25	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
26	Southern Ocean warming and Wilkes Land ice sheet retreat during the mid-Miocene. <i>Nature Communications</i> , 2018, 9, 317.	12.8	80
27	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
28	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
29	Astronomical calibration of the geological timescale: closing the middle Eocene gap. <i>Climate of the Past</i> , 2015, 11, 1181-1195.	3.4	71
30	Temperate rainforests near the South Pole during peak Cretaceous warmth. <i>Nature</i> , 2020, 580, 81-86.	27.8	69
31	A middle Eocene carbon cycle conundrum. <i>Nature Geoscience</i> , 2013, 6, 429-434.	12.9	68
32	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
33	Relative sea-level rise around East Antarctica during Oligocene glaciation. <i>Nature Geoscience</i> , 2013, 6, 380-384.	12.9	63
34	Early Eocene to middle Miocene cooling and aridification of East Antarctica. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1399-1410.	2.5	52
35	Isotopic interrogation of a suspected late Eocene glaciation. <i>Paleoceanography</i> , 2014, 29, 628-644.	3.0	46
36	Middle Eocene greenhouse warming facilitated by diminished weathering feedback. <i>Nature Communications</i> , 2018, 9, 2877.	12.8	43

#	ARTICLE	IF	CITATIONS
37	Transient temperature asymmetry between hemispheres in the Palaeogene Atlantic Ocean. <i>Nature Geoscience</i> , 2018, 11, 656-660.	12.9	42
38	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
39	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
40	Antarctic climate, Southern Ocean circulation patterns, and deep water formation during the Eocene. <i>Paleoceanography</i> , 2017, 32, 674-691.	3.0	33
41	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
42	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
43	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
44	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
45	Environmental magnetic record of paleoclimate, unroofing of the Transantarctic Mountains, and volcanism in late Eocene to early Miocene glaci-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
46	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
47	<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
48	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
49	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
50	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
51	Orbitally Forced Hyperstratification of the Oligocene South Atlantic Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 511-529.	2.9	9
52	Evidence for a Highly Dynamic West Antarctic Ice Sheet During the Pliocene. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093103.	4.0	9
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	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