

Paul N. Pearson

List of Publications by Year in descending order

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Version: 2024-02-01

127
papers

11,821
citations

39113

52
h-index

34195

103
g-index

144
all docs

144
docs citations

144
times ranked

9251
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Neogene evolution of modern deep-dwelling plankton. <i>Biogeosciences</i> , 2022, 19, 743-762.	1.3	11
2	The Miocene: The Future of the Past. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004037.	1.3	166
3	Calibration of temperature-dependent ocean microbial processes in the cGENIE.muffin (v0.9.13) Earth system model. <i>Geoscientific Model Development</i> , 2021, 14, 125-149.	1.3	22
4	The Eocene–Oligocene transition: a review of marine and terrestrial proxy data, models and model–data comparisons. <i>Climate of the Past</i> , 2021, 17, 269-315.	1.3	90
5	Temperature controls carbon cycling and biological evolution in the ocean twilight zone. <i>Science</i> , 2021, 371, 1148-1152.	6.0	41
6	Coiling directions in the planktonic foraminifer <i>Pulleniatina</i> : A complex eco-evolutionary dynamic spanning millions of years. <i>PLoS ONE</i> , 2021, 16, e0249113.	1.1	12
7	The Eocene–Oligocene transition in Nanggulan, Java: lithostratigraphy, biostratigraphy and foraminiferal stable isotopes. <i>Journal of the Geological Society</i> , 2021, 178, .	0.9	2
8	Proposal for the Global Boundary Stratotype Section and Point (GSSP) for the Priabonian Stage (Eocene) at the Alano section (Italy). <i>Episodes</i> , 2021, 44, 151-173.	0.8	9
9	Data-constrained assessment of ocean circulation changes since the middle Miocene in an Earth system model. <i>Climate of the Past</i> , 2021, 17, 2223-2254.	1.3	7
10	Impact of the East African Rift System on the routing of the deep-water drainage network offshore Tanzania, western Indian Ocean. <i>Basin Research</i> , 2020, 32, 789-803.	1.3	13
11	Large-scale mass wasting in the western Indian Ocean constrains onset of East African rifting. <i>Nature Communications</i> , 2020, 11, 3456.	5.8	9
12	Proxy evidence for state-dependence of climate sensitivity in the Eocene greenhouse. <i>Nature Communications</i> , 2020, 11, 4436.	5.8	57
13	Revisiting the Middle Eocene Climatic Optimum – Carbon Cycle Conundrum – With New Estimates of Atmospheric pCO_2 From Boron Isotopes. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003713.	1.3	45
14	New composite bio- and isotope stratigraphies spanning the Middle Eocene Climatic Optimum at tropical ODP Site 865 in the Pacific Ocean. <i>Journal of Micropalaeontology</i> , 2020, 39, 117-138.	1.3	12
15	The DeepMIP contribution to PMIP4: methodologies for selection, compilation and analysis of latest Paleocene and early Eocene climate proxy data, incorporating version 0.1 of the DeepMIP database. <i>Geoscientific Model Development</i> , 2019, 12, 3149-3206.	1.3	131
16	A large <i>Taenidium</i> burrow from the Upper Carboniferous of Corrie, Isle of Arran, and remarks on the association of <i>Taenidium</i> burrows and <i>Diplichnites</i> trails. <i>Scottish Journal of Geology</i> , 2019, 55, 135-140.	0.1	7
17	Low-latitude Calcareous Nannofossil Response in the Indo-Pacific Warm Pool Across the Eocene–Oligocene Transition of Java, Indonesia. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1833-1847.	1.3	9
18	UK public perceptions of Ocean Acidification – The importance of place and environmental identity. <i>Marine Policy</i> , 2018, 97, 287-293.	1.5	16

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19	Eocene greenhouse climate revealed by coupled clumped isotope-Mg/Ca thermometry. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1174-1179.	3.3	146
20	Provenance and identity of a large bronze statue currently in the Metropolitan Museum of Art, New York. Journal of the History of Collections, 2018, 30, 35-48.	0.1	0
21	First bryozoan fauna from the Eocene–Oligocene transition in Tanzania. Journal of Systematic Palaeontology, 2018, 16, 225-243.	0.6	4
22	Future-proofing the Cenozoic macroperforate planktonic foraminifera phylogeny of Aze & others (2011). PLoS ONE, 2018, 13, e0204625.	1.1	9
23	Temperature dependency of metabolic rates in the upper ocean: A positive feedback to global climate change?. Global and Planetary Change, 2018, 170, 201-212.	1.6	62
24	Factors affecting consistency and accuracy in identifying modern macroperforate planktonic foraminifera. Journal of Micropalaeontology, 2018, 37, 431-443.	1.3	13
25	A deep-sea agglutinated foraminifer tube constructed with planktonic foraminifer shells of a single species. Journal of Micropalaeontology, 2018, 37, 97-104.	1.3	3
26	Integrated stratigraphy of the Priabonian (upper Eocene) Urtsadzor section, Armenia. Newsletters on Stratigraphy, 2017, 50, 269-295.	0.5	16
27	Very large release of mostly volcanic carbon during the Palaeocene–Eocene Thermal Maximum. Nature, 2017, 548, 573-577.	13.7	277
28	The DeepMIP contribution to PMIP4: experimental design for model simulations of the EECO, PETM, and pre-PETM (version 1.0). Geoscientific Model Development, 2017, 10, 889-901.	1.3	90
29	The impact of Cenozoic cooling on assemblage diversity in planktonic foraminifera. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150224.	1.8	34
30	Changing atmospheric CO ₂ concentration was the primary driver of early Cenozoic climate. Nature, 2016, 533, 380-384.	13.7	327
31	Public understanding in Great Britain of ocean acidification. Nature Climate Change, 2016, 6, 763-767.	8.1	41
32	Partial collapse of the marine carbon pump after the Cretaceous-Paleogene boundary. Geology, 2016, 44, 287-290.	2.0	58
33	A new Eocene lineage of reticulate <i>Nummulites</i> (Foraminifera) from Kilwa district, Tanzania; a place for <i>Nummulites ptukhiani</i> ? Journal of Systematic Palaeontology, 2016, 14, 569-579.	0.6	9
34	Environmental Predictors of Diversity in Recent Planktonic Foraminifera as Recorded in Marine Sediments. PLoS ONE, 2016, 11, e0165522.	1.1	26
35	Descent toward the Icehouse: Eocene sea surface cooling inferred from GDGT distributions. Paleoceanography, 2015, 30, 1000-1020.	3.0	129
36	Effect of diagenetic recrystallization on the strength of planktonic foraminifer tests under compression. Journal of Micropalaeontology, 2015, 34, 59-64.	1.3	11

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37	Drilling disturbance and constraints on the onset of the Paleocene–Eocene boundary carbon isotope excursion in New Jersey. <i>Climate of the Past</i> , 2015, 11, 95-104.	1.3	18
38	Fossil and Genetic Evidence for the Polyphyletic Nature of the Planktonic Foraminifera "Globigerinoides", and Description of the New Genus <i>Trilobatus</i> . <i>PLoS ONE</i> , 2015, 10, e0128108.	1.1	103
39	Assessing the impact of diagenesis on $\delta^{11}\text{B}$, $\delta^{13}\text{C}$, $\delta^{18}\text{O}$, Sr/Ca and B/Ca values in fossil planktic foraminiferal calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 166, 189-209.	1.6	88
40	Oligocene Planktonic Foraminiferal Biostratigraphy: Current State of the Art and New Calibrations. <i>Springer Geology</i> , 2014, , 149-151.	0.2	0
41	Extreme warming of tropical waters during the Paleocene–Eocene Thermal Maximum. <i>Geology</i> , 2014, 42, 739-742.	2.0	62
42	Layering in the Paleocene/Eocene boundary of the Millville core is drilling disturbance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1064-E1065.	3.3	12
43	Stable isotope stratigraphy and larger benthic foraminiferal extinctions in the Melinau Limestone, Sarawak. <i>Journal of Asian Earth Sciences</i> , 2014, 79, 65-71.	1.0	10
44	Evolution and speciation in the Eocene planktonic foraminifer <i>Turborotalia</i> . <i>Paleobiology</i> , 2014, 40, 130-143.	1.3	37
45	Origin of the Eocene planktonic foraminifer <i>Antkenina</i> by gradual evolution. <i>Palaeontology</i> , 2014, 57, 243-267.	1.0	25
46	Temperature-dependent remineralization and carbon cycling in the warm Eocene oceans. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 413, 158-166.	1.0	61
47	Planktonic foraminifera stable isotopes and water column structure: Disentangling ecological signals. <i>Marine Micropaleontology</i> , 2013, 101, 127-145.	0.5	111
48	Warm ocean processes and carbon cycling in the Eocene. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20130099.	1.6	58
49	Identifying anagenesis and cladogenesis in the fossil record. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2946.	3.3	11
50	Early Paleogene evolution of terrestrial climate in the SW Pacific, Southern New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5413-5429.	1.0	43
51	The meaning of birth and death (in macroevolutionary birth–death models). <i>Biology Letters</i> , 2012, 8, 139-142.	1.0	39
52	Successive extinctions of muricate planktonic foraminifera (<i>Morozovelloides</i> and <i>Acarinina</i>) as a candidate for marking the base Priabonian. <i>Newsletters on Stratigraphy</i> , 2012, 45, 245-262.	0.5	20
53	Diversity-dependence brings molecular phylogenies closer to agreement with the fossil record. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1300-1309.	1.2	281
54	Sampling bias and the fossil record of planktonic foraminifera on land and in the deep sea. <i>Paleobiology</i> , 2012, 38, 569-584.	1.3	27

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55	Changes in the hydrological cycle in tropical East Africa during the Paleocene–Eocene Thermal Maximum. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 329-330, 10-21.	1.0	74
56	Early Paleogene temperature history of the Southwest Pacific Ocean: Reconciling proxies and models. <i>Earth and Planetary Science Letters</i> , 2012, 349-350, 53-66.	1.8	194
57	Evolutionary ecology of Early Paleocene planktonic foraminifera: size, depth habitat and symbiosis. <i>Paleobiology</i> , 2012, 38, 374-390.	1.3	52
58	Oxygen Isotopes in Foraminifera: Overview and Historical Review. <i>The Paleontological Society Papers</i> , 2012, 18, 1-38.	0.8	112
59	Examining the case for the use of the Tertiary as a formal period or informal unit. <i>Proceedings of the Geologists Association</i> , 2012, 123, 390-393.	0.6	6
60	Extinction of larger benthic foraminifera at the Eocene/Oligocene boundary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 311, 281-296.	1.0	31
61	A phylogeny of Cenozoic macroperforate planktonic foraminifera from fossil data. <i>Biological Reviews</i> , 2011, 86, 900-927.	4.7	191
62	Review and revision of Cenozoic tropical planktonic foraminiferal biostratigraphy and calibration to the geomagnetic polarity and astronomical time scale. <i>Earth-Science Reviews</i> , 2011, 104, 111-142.	4.0	747
63	Interplay Between Changing Climate and Species' Ecology Drives Macroevolutionary Dynamics. <i>Science</i> , 2011, 332, 349-351.	6.0	277
64	Stratigraphy of the Anthropocene. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 1036-1055.	1.6	156
65	Algorithmic approaches to aid species' delimitation in multidimensional morphospace. <i>BMC Evolutionary Biology</i> , 2010, 10, 175.	3.2	50
66	Increased Atmospheric CO ₂ During the Middle Eocene. <i>Science</i> , 2010, 330, 763-764.	6.0	12
67	TAXONOMY AND STABLE ISOTOPE PALEOECOLOGY OF WELL-PRESERVED PLANKTONIC FORAMINIFERA FROM THE UPPERMOST OLIGOCENE OF TRINIDAD. <i>Journal of Foraminiferal Research</i> , 2009, 39, 191-217.	0.1	47
68	DISTRIBUTION AND ECOLOGY OF CATAPSYDRAX INDIANUS, A NEW PLANKTONIC FORAMINIFER INDEX SPECIES FOR THE LATE OLIGOCENE-EARLY MIOCENE. <i>Journal of Foraminiferal Research</i> , 2009, 39, 112-119.	0.1	4
69	Calcareous plankton evolution and the Paleocene/Eocene thermal maximum event: New evidence from Tanzania. <i>Marine Micropaleontology</i> , 2009, 71, 60-70.	0.5	74
70	Atmospheric carbon dioxide through the Eocene–Oligocene climate transition. <i>Nature</i> , 2009, 461, 1110-1113.	13.7	365
71	Exceptionally well preserved upper Eocene to lower Oligocene calcareous nannofossils (Prymnesiophyceae) from the Pande Formation (Kilwa Group), Tanzania. <i>Journal of Systematic Palaeontology</i> , 2009, 7, 359-411.	0.6	26
72	Planktonic foraminiferal turnover, diversity fluctuations and geochemical signals across the Eocene/Oligocene boundary in Tanzania. <i>Marine Micropaleontology</i> , 2008, 68, 244-255.	0.5	87

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73	Biological and ecological insights into Ca isotopes in planktic foraminifers as a palaeotemperature proxy. <i>Earth and Planetary Science Letters</i> , 2008, 271, 292-302.	1.8	39
74	Large terrestrial and marine carbon and hydrogen isotope excursions in a new Paleocene/Eocene boundary section from Tanzania. <i>Earth and Planetary Science Letters</i> , 2008, 275, 17-25.	1.8	93
75	Major shifts in calcareous phytoplankton assemblages through the Eocene-Oligocene transition of Tanzania and their implications for low-latitude primary production. <i>Paleoceanography</i> , 2008, 23, .	3.0	71
76	Cooling and ice growth across the Eocene-Oligocene transition. <i>Geology</i> , 2008, 36, 251.	2.0	293
77	Extinction and environmental change across the Eocene-Oligocene boundary in Tanzania. <i>Geology</i> , 2008, 36, 179.	2.0	140
78	Foraminifer test preservation and diagenesis: comparison of high latitude Eocene sites. <i>Geological Society Special Publication</i> , 2008, 303, 59-72.	0.8	33
79	Middle Eocene climate cyclicity in the southern Pacific: Implications for global ice volume. <i>Geology</i> , 2008, 36, 651.	2.0	59
80	A Paleogene calcareous microfossil Konservat-Lagerstätte from the Kilwa Group of coastal Tanzania. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 3-12.	1.6	60
81	Are we now living in the Anthropocene. <i>GSA Today</i> , 2008, 18, 4.	1.1	480
82	Stable warm tropical climate through the Eocene Epoch: COMMENT and REPLY: REPLY. <i>Geology</i> , 2007, 35, e153-e153.	2.0	2
83	Robert Jameson on the Isle of Arran, 1797-1799: in search of Hutton's "Theory of the Earth". <i>Geological Society Special Publication</i> , 2007, 287, 31-47.	0.8	1
84	Iterative evolution of digitate planktonic foraminifera. <i>Paleobiology</i> , 2007, 33, 495-516.	1.3	61
85	"Marks of extreme violence": Charles Darwin's geological observations at St Jago (São Tiago), Cape Verde islands. <i>Geological Society Special Publication</i> , 2007, 287, 239-253.	0.8	5
86	Stable warm tropical climate through the Eocene Epoch. <i>Geology</i> , 2007, 35, 211.	2.0	335
87	A core top assessment of proxies for the ocean carbonate system in surface-dwelling foraminifers. <i>Paleoceanography</i> , 2007, 22, .	3.0	93
88	Structural evolution of southern coastal Tanzania since the Jurassic. <i>Journal of African Earth Sciences</i> , 2007, 48, 273-297.	0.9	57
89	Microstructural and geochemical perspectives on planktic foraminiferal preservation: "Glassy" versus "Frosty". <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	213
90	Well preserved Palaeogene and Cretaceous biomarkers from the Kilwa area, Tanzania. <i>Organic Geochemistry</i> , 2006, 37, 539-557.	0.9	92

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91	Further Paleogene and Cretaceous sediment cores from the Kilwa area of coastal Tanzania: Tanzania Drilling Project Sites 6â€“10. <i>Journal of African Earth Sciences</i> , 2006, 45, 279-317.	0.9	30
92	Stratigraphy and sedimentology of the Upper Cretaceous to Paleogene Kilwa Group, southern coastal Tanzania. <i>Journal of African Earth Sciences</i> , 2006, 45, 431-466.	0.9	77
93	Palaeoecology of late middle Eocene planktic foraminifera and evolutionary implications. <i>Marine Micropaleontology</i> , 2006, 60, 1-16.	0.5	40
94	A REVISED TROPICAL TO SUBTROPICAL PALEOGENE PLANKTONIC FORAMINIFERAL ZONATION. <i>Journal of Foraminiferal Research</i> , 2005, 35, 279-298.	0.1	479
95	Boron and calcium isotope composition in Neoproterozoic carbonate rocks from Namibia: evidence for extreme environmental change. <i>Earth and Planetary Science Letters</i> , 2005, 231, 73-86.	1.8	152
96	Calcium isotope ($\delta^{44}\text{Ca}$) variations of Neogene planktonic foraminifera. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	94
97	Paleogene and Cretaceous sediment cores from the Kilwa and Lindi areas of coastal Tanzania: Tanzania Drilling Project Sites 1â€“5. <i>Journal of African Earth Sciences</i> , 2004, 39, 25-62.	0.9	65
98	Miocene tropical Indian Ocean temperatures: evidence from three exceptionally preserved foraminiferal assemblages from Tanzania. <i>Journal of African Earth Sciences</i> , 2004, 40, 173-189.	0.9	46
99	ORIGIN AND MORPHOLOGY OF THE EOCENE PLANKTONIC FORAMINIFER HANTKENINA. <i>Journal of Foraminiferal Research</i> , 2003, 33, 237-261.	0.1	15
100	A 23,000-Year Record of Surface Water pH and PCO ₂ in the Western Equatorial Pacific Ocean. <i>Science</i> , 2003, 300, 480-482.	6.0	140
101	On the Chemical Purity of Marine Microfossils. <i>Physics Today</i> , 2002, 55, 99-99.	0.3	0
102	Palaeoclimatology (Communication arising): Tropical temperatures in greenhouse episodes. <i>Nature</i> , 2002, 419, 898-898.	13.7	14
103	Speciation in the fossil record. <i>Trends in Ecology and Evolution</i> , 2001, 16, 405-411.	4.2	128
104	Temporal patterns in diversification rates. , 2001, , 278-300.		16
105	Warm tropical sea surface temperatures in the Late Cretaceous and Eocene epochs. <i>Nature</i> , 2001, 413, 481-487.	13.7	601
106	MUTABELLA MIRABILIS GEN. ET SP. NOV., A MIOCENE MICROPERFORATE PLANKTONIC FORAMINIFER WITH AN EXTREME LEVEL OF INTRASPECIFIC VARIABILITY. <i>Journal of Foraminiferal Research</i> , 2001, 31, 120-132.	0.1	13
107	Coiling directions in some Miocene planktonic Foraminifera. <i>Journal of Micropalaeontology</i> , 2001, 20, 29-30.	1.3	7
108	The imbalance of paleontological trees. <i>Paleobiology</i> , 2001, 27, 188-204.	1.3	23

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109	Atmospheric carbon dioxide concentrations over the past 60 million years. <i>Nature</i> , 2000, 406, 695-699.	13.7	1,548
110	Estimating Paleogene atmospheric pCO ₂ using boron isotope analysis of foraminifera. <i>Gff</i> , 2000, 122, 127-128.	0.4	5
111	Hantkeninid depth adaptation: An evolving life strategy in a changing ocean. <i>Geology</i> , 2000, 28, 87.	2.0	46
112	Hantkeninid depth adaptation: An evolving life strategy in a changing ocean. <i>Geology</i> , 2000, 28, 87-90.	2.0	2
113	Apomorphy Distribution Is an Important Aspect of Cladogram Symmetry. <i>Systematic Biology</i> , 1999, 48, 399-406.	2.7	11
114	Middle Eocene Seawater pH and Atmospheric Carbon Dioxide Concentrations. <i>Science</i> , 1999, 284, 1824-1826.	6.0	178
115	Reconstructing Past Ocean pH-Depth Profiles. , 1998, 282, 1468-1471.		134
116	Stable Isotopes and the Study of Evolution in Planktonic Foraminifera. <i>The Paleontological Society Papers</i> , 1998, 4, 138-178.	0.8	34
117	Stable isotopic evidence for the sympatric divergence of <i>Globigerinoides trilobus</i> and <i>Orbulina universa</i> (planktonic foraminifera). <i>Journal of the Geological Society</i> , 1997, 154, 295-302.	0.9	62
118	Cladogenetic, Extinction and Survivorship Patterns from a Lineage Phylogeny: The Paleogene Planktonic Foraminifera. <i>Micropaleontology</i> , 1996, 42, 179.	0.3	20
119	Charles Darwin on the Origin and Diversity of Igneous Rocks. <i>Earth Sciences History</i> , 1996, 15, 49-67.	0.2	5
120	Investigating age-dependency of species extinction rates using dynamic survivorship analysis. <i>Historical Biology</i> , 1995, 10, 119-136.	0.7	20
121	A Lineage Phylogeny for the Paleogene Planktonic Foraminifera. <i>Micropaleontology</i> , 1993, 39, 193.	0.3	41
122	Stable isotope paleoecology of middle Eocene planktonic foraminifera and multi-species isotope stratigraphy, DSDP Site 523, South Atlantic. <i>Journal of Foraminiferal Research</i> , 1993, 23, 123-140.	0.1	116
123	Walking traces of the giant myriapod <i>Arthropleura</i> from the Strathclyde Group (Lower) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 18	0.1	19
124	Survivorship Analysis of Fossil Taxa When Real-Time Extinction Rates Vary: The Paleogene Planktonic Foraminifera. <i>Paleobiology</i> , 1992, 18, 115-131.	1.3	46
125	Defining the Base of the Cambrian: The Hicks-Geikie Confrontation of April 1883. <i>Earth Sciences History</i> , 1992, 11, 70-80.	0.2	2
126	Early Cenozoic tropical climate: report from the Tanzania Onshore Paleogene Integrated Coring (TOPIC) workshop. <i>Scientific Drilling</i> , 0, 18, 13-17.	1.0	0

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127	The glorious fossil record. Nature, 0, , .	13.7	1