

# Pincelli M Hull

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,627  
citations

304743

22  
h-index

315739

38  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2469  
citing authors

#	ARTICLE	IF	CITATIONS
1	The latitudinal temperature gradient and its climate dependence as inferred from foraminiferal $\delta^{18}O$ over the past 95 million years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2111332119.	7.1	23
2	Fossil biomolecules reveal an avian metabolism in the ancestral dinosaur. <i>Nature</i> , 2022, 606, 522-526.	27.8	30
3	Fossilization potential of marine assemblages and environments. <i>Geology</i> , 2021, 49, 258-262.	4.4	12
4	Towards quantifying the mass extinction debt of the Anthropocene. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202332.	2.6	14
5	Pliocene decoupling of equatorial Pacific temperature and pH gradients. <i>Nature</i> , 2021, 598, 457-461.	27.8	14
6	The enigma of Oligocene climate and global surface temperature evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25302-25309.	7.1	54
7	Extensive morphological variability in asexually produced planktic foraminifera. <i>Science Advances</i> , 2020, 6, .	10.3	23
8	Paleozoic ammonoid ecomorphometrics test ecospace availability as a driver of morphological diversification. <i>Science Advances</i> , 2020, 6, .	10.3	5
9	The evolution of complex life and the stabilization of the Earth system. <i>Interface Focus</i> , 2020, 10, 20190106.	3.0	11
10	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.	2.9	45
11	Eggshell geochemistry reveals ancestral metabolic thermoregulation in Dinosauria. <i>Science Advances</i> , 2020, 6, eaax9361.	10.3	26
12	On impact and volcanism across the Cretaceous-Paleogene boundary. <i>Science</i> , 2020, 367, 266-272.	12.6	178
13	Miocene Evolution of North Atlantic Sea Surface Temperature. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003748.	2.9	40
14	Ecological Response of Plankton to Environmental Change: Thresholds for Extinction. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 403-429.	11.0	55
15	Rapid ocean acidification and protracted Earth system recovery followed the end-Cretaceous Chicxulub impact. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22500-22504.	7.1	116
16	Symbiont arrangement and metabolism can explain high $\delta^{13}C$ in Eocene planktonic foraminifera. <i>Geology</i> , 2019, 47, 1156-1160.	4.4	9
17	Atlantic Deep-sea Cherts Associated With Eocene Hyperthermal Events. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 287-299.	2.9	14
18	Endless Forams: >34,000 Modern Planktonic Foraminiferal Images for Taxonomic Training and Automated Species Recognition Using Convolutional Neural Networks. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1157-1177.	2.9	61

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19	Zooglider-Based Measurements of Planktonic Foraminifera in the California Current System. <i>Journal of Foraminiferal Research</i> , 2019, 49, 390-404.	0.5	11
20	Late Cretaceous climate in the Canadian Arctic: Multi-proxy constraints from Devon Island. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 504, 1-22.	2.3	22
21	Twelve thousand recent patellogastropods from a northeastern Pacific latitudinal gradient. <i>Scientific Data</i> , 2018, 5, 170197.	5.3	3
22	<i>AutoMorph</i> : Accelerating morphometrics with automated 2D and 3D image processing and shape extraction. <i>Methods in Ecology and Evolution</i> , 2018, 9, 605-612.	5.2	26
23	Oxygen, temperature and the deep-marine stenothermal cradle of Ediacaran evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181724.	2.6	44
24	Factors influencing test porosity in planktonic foraminifera. <i>Biogeosciences</i> , 2018, 15, 6607-6619.	3.3	17
25	Two pulses of morphological diversification in Pacific pelagic fishes following the Cretaceous–Palaeogene mass extinction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181194.	2.6	22
26	Advances in planktonic foraminifer research: New perspectives for paleoceanography. <i>Revue De Micropaleontologie</i> , 2018, 61, 113-138.	0.4	32
27	Placing our current “hyperthermal” in the context of rapid climate change in our geological past. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170086.	3.4	44
28	Sixty-one thousand recent planktonic foraminifera from the Atlantic Ocean. <i>Scientific Data</i> , 2018, 5, 180109.	5.3	11
29	Calibration of Test Diameter and Area As Proxies For Body Size in the Planktonic Foraminifer <i>Globoconella Puncticulata</i> . <i>Journal of Foraminiferal Research</i> , 2018, 48, 241-245.	0.5	8
30	Emergence of modern marine ecosystems. <i>Current Biology</i> , 2017, 27, R466-R469.	3.9	17
31	Evolutionary history biases inferences of ecology and environment from $\delta^{13}C$ but not $\delta^{18}O$ values. <i>Nature Communications</i> , 2017, 8, 1106.	12.8	14
32	A probabilistic assessment of the rapidity of PETM onset. <i>Nature Communications</i> , 2017, 8, 353.	12.8	48
33	Towards a morphological metric of assemblage dynamics in the fossil record: a test case using planktonic foraminifera. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150227.	4.0	22
34	Biogeochemical significance of pelagic ecosystem function: an end-Cretaceous case study. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150510.	4.0	54
35	Rarity in mass extinctions and the future of ecosystems. <i>Nature</i> , 2015, 528, 345-351.	27.8	87
36	Environmental and biological controls on size-specific $\delta^{13}C$ and $\delta^{18}O$ in recent planktonic foraminifera. <i>Paleoceanography</i> , 2015, 30, 151-173.	3.0	41

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37	Life in the Aftermath of Mass Extinctions. <i>Current Biology</i> , 2015, 25, R941-R952.	3.9	81
38	Resolving Communities Through Time: New Approaches for Rapidly Analyzing the >99.9%. <i>The Paleontological Society Special Publications</i> , 2014, 13, 118-118.	0.0	0
39	Experimental Taphonomy of Foraminifera. <i>The Paleontological Society Special Publications</i> , 2014, 13, 122-123.	0.0	0
40	Resilience of Pacific pelagic fish across the Cretaceous/Palaeogene mass extinction. <i>Nature Geoscience</i> , 2014, 7, 667-670.	12.9	35
41	Mass Extinctions and the Structure and Function of Ecosystems. <i>The Paleontological Society Papers</i> , 2013, 19, 115-156.	0.6	10
42	The temporal dimension of marine speciation. <i>Evolutionary Ecology</i> , 2012, 26, 393-415.	1.2	52
43	Diverse patterns of ocean export productivity change across the Cretaceous-Paleogene boundary: New insights from biogenic barium. <i>Paleoceanography</i> , 2011, 26, .	3.0	59
44	A role for chance in marine recovery from the end-Cretaceous extinction. <i>Nature Geoscience</i> , 2011, 4, 856-860.	12.9	65
45	Seasonality and depth distribution of a mesopelagic foraminifer, <i>Hastigerinella digitata</i> , in Monterey Bay, California. <i>Limnology and Oceanography</i> , 2011, 56, 562-576.	3.1	23
46	Evidence for abrupt speciation in a classic case of gradual evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21224-21229.	7.1	42
47	Mapping Uncharted Waters: Exploratory Analysis, Visualization, and Clustering of Oceanographic Data. , 2008, , .		7