Pincelli M Hull

List of Publications by Year
in descending order

47	1,627	304743	315739
papers	citations	22 h-index	38 g-index

47	47	47	2469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On impact and volcanism across the Cretaceous-Paleogene boundary. Science, 2020, 367, 266-272.	12.6	178
2	Rapid ocean acidification and protracted Earth system recovery followed the end-Cretaceous Chicxulub impact. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22500-22504.	7.1	116
3	Rarity in mass extinctions and the future of ecosystems. Nature, 2015, 528, 345-351.	27.8	87
4	Life in the Aftermath of Mass Extinctions. Current Biology, 2015, 25, R941-R952.	3.9	81
5	A role for chance in marine recovery from the end-Cretaceous extinction. Nature Geoscience, 2011, 4, 856-860.	12.9	65
6	Endless Forams: >34,000 Modern Planktonic Foraminiferal Images for Taxonomic Training and Automated Species Recognition Using Convolutional Neural Networks. Paleoceanography and Paleoclimatology, 2019, 34, 1157-1177.	2.9	61
7	Diverse patterns of ocean export productivity change across the Cretaceousâ€Paleogene boundary: New insights from biogenic barium. Paleoceanography, 2011, 26, .	3.0	59
8	Ecological Response of Plankton to Environmental Change: Thresholds for Extinction. Annual Review of Earth and Planetary Sciences, 2020, 48, 403-429.	11.0	55
9	Biogeochemical significance of pelagic ecosystem function: an end-Cretaceous case study. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150510.	4.0	54
10	The enigma of Oligocene climate and global surface temperature evolution. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25302-25309.	7.1	54
11	The temporal dimension of marine speciation. Evolutionary Ecology, 2012, 26, 393-415.	1.2	52
12	A probabilistic assessment of the rapidity of PETM onset. Nature Communications, 2017, 8, 353.	12.8	48
13	Revisiting the Middle Eocene Climatic Optimum â€œCarbon Cycle Conundrumâ€•With New Estimates of Atmospheric pCO₂ From Boron Isotopes. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003713.	2.9	45
14	Oxygen, temperature and the deep-marine stenothermal cradle of Ediacaran evolution. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181724.	2.6	44
15	Placing our current â€˜hyperthermalâ€™ in the context of rapid climate change in our geological past. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170086.	3.4	44
16	Evidence for abrupt speciation in a classic case of gradual evolution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21224-21229.	7.1	42
17	Environmental and biological controls on sizeâ€specific Î´¹³C and Î´¹⁸O in recent planktonic foraminifera. Paleoceanography, 2015, 30, 151-173.	3.0	41
18	Miocene Evolution of North Atlantic Sea Surface Temperature. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003748.	2.9	40

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19	Resilience of Pacific pelagic fish across the Cretaceous/Palaeogene mass extinction. Nature Geoscience, 2014, 7, 667-670.	12.9	35
20	Advances in planktonic foraminifer research: New perspectives for paleoceanography. Revue De Micropaleontologie, 2018, 61, 113-138.	0.4	32
21	Fossil biomolecules reveal an avian metabolism in theÂancestral dinosaur. Nature, 2022, 606, 522-526.	27.8	30
22	AutoMorph: Accelerating morphometrics with automated 2D and 3D image processing and shape extraction. Methods in Ecology and Evolution, 2018, 9, 605-612.	5.2	26
23	Eggshell geochemistry reveals ancestral metabolic thermoregulation in Dinosauria. Science Advances, 2020, 6, eaax9361.	10.3	26
24	Seasonality and depth distribution of a mesopelagic foraminifer, Hastigerinella digitata, in Monterey Bay, California. Limnology and Oceanography, 2011, 56, 562-576.	3.1	23
25	Extensive morphological variability in asexually produced planktic foraminifera. Science Advances, 2020, 6, .	10.3	23
26	The latitudinal temperature gradient and its climate dependence as inferred from foraminiferal Î´¹⁸O over the past 95 million years. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2111332119.	7.1	23
27	Towards a morphological metric of assemblage dynamics in the fossil record: a test case using planktonic foraminifera. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150227.	4.0	22
28	Late Cretaceous climate in the Canadian Arctic: Multi-proxy constraints from Devon Island. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 504, 1-22.	2.3	22
29	Two pulses of morphological diversification in Pacific pelagic fishes following the Cretaceousâ€“Palaeogene mass extinction. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181194.	2.6	22
30	Emergence of modern marine ecosystems. Current Biology, 2017, 27, R466-R469.	3.9	17
31	Factors influencing test porosity in planktonic foraminifera. Biogeosciences, 2018, 15, 6607-6619.	3.3	17
32	Evolutionary history biases inferences of ecology and environment from Î´13C but not Î´18O values. Nature Communications, 2017, 8, 1106.	12.8	14
33	Atlantic Deepâ€Sea Cherts Associated With Eocene Hyperthermal Events. Paleoceanography and Paleoclimatology, 2019, 34, 287-299.	2.9	14
34	Towards quantifying the mass extinction debt of the Anthropocene. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202332.	2.6	14
35	Pliocene decoupling of equatorial Pacific temperature and pH gradients. Nature, 2021, 598, 457-461.	27.8	14
36	Fossilization potential of marine assemblages and environments. Geology, 2021, 49, 258-262.	4.4	12

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37	Zooglider-Based Measurements of Planktonic Foraminifera in the California Current System. Journal of Foraminiferal Research, 2019, 49, 390-404.	0.5	11
38	The evolution of complex life and the stabilization of the Earth system. Interface Focus, 2020, 10, 20190106.	3.0	11
39	Sixty-one thousand recent planktonic foraminifera from the Atlantic Ocean. Scientific Data, 2018, 5, 180109.	5.3	11
40	Mass Extinctions and the Structure and Function of Ecosystems. The Paleontological Society Papers, 2013, 19, 115-156.	0.6	10
41	Symbiont arrangement and metabolism can explain high Î´13C in Eocene planktonic foraminifera. Geology, 2019, 47, 1156-1160.	4.4	9
42	Calibration of Test Diameter and Area As Proxies For Body Size in the Planktonic Foraminifer Globoconella Puncticulata. Journal of Foraminiferal Research, 2018, 48, 241-245.	0.5	8
43	Mapping Uncharted Waters: Exploratory Analysis, Visualization, and Clustering of Oceanographic Data. , 2008, , .		7
44	Paleozoic ammonoid ecomorphometrics test ecospace availability as a driver of morphological diversification. Science Advances, 2020, 6, .	10.3	5
45	Twelve thousand recent patellogastropods from a northeastern Pacific latitudinal gradient. Scientific Data, 2018, 5, 170197.	5.3	3
46	Resolving Communities Through Time: New Approaches for Rapidly Analyzing the >99.9%. The Paleontological Society Special Publications, 2014, 13, 118-118.	0.0	0
47	Experimental Taphonomy of Foraminifera. The Paleontological Society Special Publications, 2014, 13, 122-123.	0.0	0