

Catherine Davis

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

550
citations

759233

12
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	Deglacial restructuring of the Eastern equatorial Pacific oxygen minimum zone. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	1
2	Barium enrichment in the non-spinose planktic foraminifer, <i>Globorotalia truncatulinoides</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2022, 333, 184-199.	3.9	3
3	Using the Stable Isotopic Composition of <i>Heliconoides inflatus</i> Pteropod Shells to Determine Calcification Depth in the Cariaco Basin. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	4
4	Vertical distribution of planktic foraminifera through an oxygen minimum zone: how assemblages and test morphology reflect oxygen concentrations. <i>Biogeosciences</i> , 2021, 18, 977-992.	3.3	16
5	Trace Element Heterogeneity Across Individual Planktic Foraminifera from the Modern Cariaco Basin. <i>Journal of Foraminiferal Research</i> , 2020, 50, 204-218.	0.5	21
6	Extensive morphological variability in asexually produced planktic foraminifera. <i>Science Advances</i> , 2020, 6, .	10.3	23
7	Sea surface temperature across the Subarctic North Pacific and marginal seas through the past 20,000 years: A paleoceanographic synthesis. <i>Quaternary Science Reviews</i> , 2020, 246, 106519.	3.0	8
8	Evidence for rapid trace element alteration of planktic foraminiferal shells from the Panama Basin: Manganese adsorption during vertical transport. <i>Marine Micropaleontology</i> , 2020, 157, 101872.	1.2	4
9	The Impacts of Flood, Drought, and Turbidites on Organic Carbon Burial Over the Past 2,000 Years in the Santa Barbara Basin, California. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003849.	2.9	6
10	Ongoing Increase in Eastern Tropical North Pacific Denitrification as Interpreted Through the Santa Barbara Basin Sedimentary $\delta^{15}\text{N}$ Record. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1554-1567.	2.9	12
11	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
12	Seasonal and interannual changes in planktic foraminiferal fluxes and species composition in Guaymas Basin, Gulf of California. <i>Marine Micropaleontology</i> , 2019, 149, 75-88.	1.2	8
13	Reconstructing 800 Years of Carbonate Ion Concentration in the Cariaco Basin Using the Area Density of Planktonic Foraminifera Shells. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 2129-2140.	2.9	3
14	Ba/Ca ratios in the non-spinose planktic foraminifer <i>Neogloboquadrina dutertrei</i> : Evidence for an organic aggregate microhabitat. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 361-372.	3.9	23
15	Factors influencing test porosity in planktonic foraminifera. <i>Biogeosciences</i> , 2018, 15, 6607-6619.	3.3	17
16	Reconstructing Aragonite Saturation State Based on an Empirical Relationship for Northern California. <i>Estuaries and Coasts</i> , 2018, 41, 2056-2069.	2.2	7
17	16S rRNA gene metabarcoding and TEM reveals different ecological strategies within the genus <i>Neogloboquadrina</i> (planktonic foraminifer). <i>PLoS ONE</i> , 2018, 13, e0191653.	2.5	32
18	Ocean acidification compromises a planktic calcifier with implications for global carbon cycling. <i>Scientific Reports</i> , 2017, 7, 2225.	3.3	36

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19	Relationships Between Temperature, pH, and Crusting on Mg/Ca Ratios in Laboratory-Grown <i>Neogloboquadrina</i> Foraminifera. <i>Paleoceanography</i> , 2017, 32, 1137-1152.	3.0	22
20	Link between light-triggered Mg-banding and chamber formation in the planktic foraminifera <i>Neogloboquadrina dutertrei</i> . <i>Nature Communications</i> , 2017, 8, 15441.	12.8	73
21	Cyanobacterial endobionts within a major marine planktonic calcifier (<i>Globigerina</i>). <i>Journal of Earth System Science</i> , 2017, 191, 901-920.	3.3	42
22	A database of paleoceanographic sediment cores from the North Pacific, 1951-2016. <i>Earth System Science Data</i> , 2017, 9, 739-749.	9.9	6
23	Seasonality in planktic foraminifera of the central California coastal upwelling region. <i>Biogeosciences</i> , 2016, 13, 5139-5150.	3.3	10
24	Benthic foraminiferal shell weight: Deglacial species-specific responses from the Santa Barbara Basin. <i>Marine Micropaleontology</i> , 2016, 124, 45-53.	1.2	6
25	Paleoceanographic Insights on Recent Oxygen Minimum Zone Expansion: Lessons for Modern Oceanography. <i>PLoS ONE</i> , 2015, 10, e0115246.	2.5	89
26	The response of calcifying plankton to climate change in the Pliocene. <i>Biogeosciences</i> , 2013, 10, 6131-6139.	3.3	17