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	Paleoceanographic Insights on Recent Oxygen Minimum Zone Expansion: Lessons for Modern Oceanography. PLoS ONE, 2015, 10, e0115246.	2.5	89
2	Link between light-triggered Mg-banding and chamber formation in the planktic foraminifera Neogloboquadrina dutertrei. Nature Communications, 2017, 8, 15441.	12.8	73
3	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
4	Cyanobacterial endobionts within a major marine planktonic calcifier (<i>Globigerina) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 901-920.	3.3	42
5	Ocean acidification compromises a planktic calcifier with implications for global carbon cycling. Scientific Reports, 2017, 7, 2225.	3.3	36
6	16S rRNA gene metabarcoding and TEM reveals different ecological strategies within the genus Neogloboquadrina (planktonic foraminifer). PLoS ONE, 2018, 13, e0191653.	2.5	32
7	Ba/Ca ratios in the non-spinose planktic foraminifer Neogloboquadrina dutertrei: Evidence for an organic aggregate microhabitat. Geochimica Et Cosmochimica Acta, 2018, 236, 361-372.	3.9	23
8	Extensive morphological variability in asexually produced planktic foraminifera. Science Advances, 2020, 6, .	10.3	23
9	Relationships Between Temperature, pH, and Crusting on Mg/Ca Ratios in Laboratoryâ€Grown Neogloboquadrina Foraminifera. Paleoceanography, 2017, 32, 1137-1152.	3.0	22
10	Trace Element Heterogeneity Across Individual Planktic Foraminifera from the Modern Cariaco Basin. Journal of Foraminiferal Research, 2020, 50, 204-218.	0.5	21
11	The response of calcifying plankton to climate change in the Pliocene. Biogeosciences, 2013, 10, 6131-6139.	3.3	17
12	Factors influencing test porosity in planktonic foraminifera. Biogeosciences, 2018, 15, 6607-6619.	3.3	17
13	Vertical distribution of planktic foraminifera through an oxygen minimum zone: how assemblages and test morphology reflect oxygen concentrations. Biogeosciences, 2021, 18, 977-992.	3.3	16
14	Ongoing Increase in Eastern Tropical North Pacific Denitrification as Interpreted Through the Santa Barbara Basin Sedimentary Î´¹⁵N Record. Paleoceanography and Paleoclimatology, 2019, 34, 1554-1567.	2.9	12
15	Seasonality in planktic foraminifera of the central California coastal upwelling region. Biogeosciences, 2016, 13, 5139-5150.	3.3	10
16	Seasonal and interannual changes in planktic foraminiferal fluxes and species composition in Guaymas Basin, Gulf of California. Marine Micropaleontology, 2019, 149, 75-88.	1.2	8
17	Sea surface temperature across the Subarctic North Pacific and marginal seas through the past 20,000 years: A paleoceanographic synthesis. Quaternary Science Reviews, 2020, 246, 106519.	3.0	8
18	Reconstructing Aragonite Saturation State Based on an Empirical Relationship for Northern California. Estuaries and Coasts, 2018, 41, 2056-2069.	2.2	7

#	Article	IF	Citations
19	Benthic foraminiferal shell weight: Deglacial species-specific responses from the Santa Barbara Basin. Marine Micropaleontology, 2016, 124, 45-53.	1.2	6
20	The Impacts of Flood, Drought, and Turbidites on Organic Carbon Burial Over the Past 2,000Âyears in the Santa Barbara Basin, California. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA003849.	2.9	6
21	A database of paleoceanographic sediment cores from the North Pacific, 1951â€“2016. Earth System Science Data, 2017, 9, 739-749.	9.9	6
22	Evidence for rapid trace element alteration of planktic foraminiferal shells from the Panama Basin: Manganese adsorption during vertical transport. Marine Micropaleontology, 2020, 157, 101872.	1.2	4
23	Using the Stable Isotopic Composition of Heliconoides inflatus Pteropod Shells to Determine Calcification Depth in the Cariaco Basin. Frontiers in Marine Science, 2021, 7, .	2.5	4
24	Reconstructing 800 Years of Carbonate Ion Concentration in the Cariaco Basin Using the Area Density of Planktonic Foraminifera Shells. Paleoceanography and Paleoclimatology, 2019, 34, 2129-2140.	2.9	3
25	Barium enrichment in the non-spinose planktic foraminifer, Globorotalia truncatulinoides. Geochimica Et Cosmochimica Acta, 2022, 333, 184-199.	3.9	3
26	Deglacial restructuring of the Eastern equatorial Pacific oxygen minimum zone. Communications Earth & Environment, 2022, 3, .	6.8	1