Diane M Thompson

List of Publications by Year
in descending order

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Version: 2024-02-01

32 papers	1,456 citations	516710 16 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	2421 citing authors

#	Article	IF	Citations
1	Environmental records from coral skeletons: A decade of novel insights and innovation. Wiley Interdisciplinary Reviews: Climate Change, 2022, 13, e745.	8.1	28
2	Marginal Reefs Under Stress: Physiological Limits Render GalÃ¡pagos Corals Susceptible to Ocean Acidification and Thermal Stress. AGU Advances, 2022, 3, .	5.4	5
3	A mechanistic investigation of the coral Mn/Ca-based trade-wind proxy at Kiritimati. Geochimica Et Cosmochimica Acta, 2022, 328, 58-75.	3.9	0
4	Identifying Hydroâ€Sensitive Coral Î´¹⁸O Records for Improved Highâ€Resolution Temperature and Salinity Reconstructions. Geophysical Research Letters, 2022, 49, .	4.0	12
5	Coralâ€Based Sea Surface Salinity Reconstructions and the Role of Observational Uncertainties in Inferred Variability and Trends. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	10
6	Human-induced ecological cascades: Extinction, restoration, and rewilding in the GalÃ¡pagos highlands. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	8
7	Reproducibility of Coral Mn/Caâ€Based Wind Reconstructions at Kiritimati Island and Butaritari Atoll. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009398.	2.5	5
8	Impacts of Coral Growth on Geochemistry: Lessons From the GalÃ¡pagos Islands. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004051.	2.9	12
9	Initialized Earth System prediction from subseasonal to decadal timescales. Nature Reviews Earth & Environment, 2021, 2, 340-357.	29.7	85
10	Fidelity of the Coral Sr/Ca Paleothermometer Following Heat Stress in the Northern GalÃ¡pagos. Paleoceanography and Paleoclimatology, 2021, 36, e2021PA004323.	2.9	3
11	Enhanced El NiÃ±oâ€“Southern Oscillation Variability in Recent Decades. Geophysical Research Letters, 2020, 47, e2019GL083906.	4.0	85
12	Extreme temperature events will drive coral decline in the Coral Triangle. Global Change Biology, 2020, 26, 2120-2133.	9.5	36
13	Is there a low-frequency bias in multiproxy reconstructions of tropical pacific SST variability?. Quaternary Science Reviews, 2020, 246, 106530.	3.0	8
14	The spectrum of Asian Monsoon variability: A proxy system model approach to the hydroclimate scaling mismatch. Quaternary Science Reviews, 2020, 240, 106362.	3.0	4
15	The Iso2k database: a global compilation of paleo-<i>Î´</i>¹⁸O and <i>Î´</i>²H records to aid understanding of Common Era climate. Earth System Science Data, 2020, 12, 2261-2288.	9.9	46
16	Linking climate variability and growth in coral skeletal records from the Great Barrier Reef. Coral Reefs, 2019, 38, 29-43.	2.2	8
17	Northern GalÃ¡pagos Corals Reveal Twentieth Century Warming in the Eastern Tropical Pacific. Geophysical Research Letters, 2018, 45, 1981-1988.	4.0	16
18	Variability in oceanographic barriers to coral larval dispersal: Do currents shape biodiversity?. Progress in Oceanography, 2018, 165, 110-122.	3.2	33

#	Article	IF	Citations
19	Spatiotemporal variability in the Î´ ¹⁸ Oâ€“salinity relationship of seawater across the tropical Pacific Ocean. Paleoceanography, 2017, 32, 484-497.	3.0	47
20	Tropical Pacific climate variability over the last 6000Âyears as recorded in Bainbridge Crater Lake, GalÃ¡pagos. Paleoceanography, 2017, 32, 903-922.	3.0	29
21	Larval connectivity across temperature gradients and its potential effect on heat tolerance in coral populations. Global Change Biology, 2016, 22, 3539-3549.	9.5	50
22	Assessing multi-site Î´18O-climate calibrations of the coralline alga Clathromorphum across the high-latitude Northern Hemisphere. Geochimica Et Cosmochimica Acta, 2016, 194, 279-290.	3.9	3
23	<scp>PRYSM</scp>: An openâ€source framework for PRoxY System Modeling, with applications to oxygenâ€isotope systems. Journal of Advances in Modeling Earth Systems, 2015, 7, 1220-1247.	3.8	120
24	Early twentieth-century warming linked to tropical Pacific wind strength. Nature Geoscience, 2015, 8, 117-121.	12.9	56
25	A probabilistic model of chronological errors in layer-counted climate proxies: applications to annually banded coral archives. Climate of the Past, 2014, 10, 825-841.	3.4	60
26	Using palaeo-climate comparisons to constrain future projections in CMIP5. Climate of the Past, 2014, 10, 221-250.	3.4	193
27	Climate influences on water and sediment properties of Genovesa Crater Lake, GalÃ¡pagos. Journal of Paleolimnology, 2014, 52, 331-347.	1.6	8
28	Applications of proxy system modeling in high resolution paleoclimatology. Quaternary Science Reviews, 2013, 76, 16-28.	3.0	235
29	Coral-model comparison highlighting the role of salinity in long-term trends. PAGES News, 2013, 21, 60-61.	0.1	5
30	Comparison of observed and simulated tropical climate trends using a forward model of coralÎ´¹⁸O. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	73
31	Correction to â€œComparison of observed and simulated tropical climate trends using a forward model of coralÎ´¹⁸Oâ€• Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	1
32	Corals escape bleaching in regions that recently and historically experienced frequent thermal stress. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2893-2901.	2.6	167