Diane M Thompson

List of Publications by Year
in descending order

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	Applications of proxy system modeling in high resolution paleoclimatology. Quaternary Science Reviews, 2013, 76, 16-28.	3.0	235
2	Using palaeo-climate comparisons to constrain future projections in CMIP5. Climate of the Past, 2014, 10, 221-250.	3.4	193
3	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
4	<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
5	Enhanced El NiÃ±oâ€“Southern Oscillation Variability in Recent Decades. Geophysical Research Letters, 2020, 47, e2019GL083906.	4.0	85
6	Initialized Earth System prediction from subseasonal to decadal timescales. Nature Reviews Earth & Environment, 2021, 2, 340-357.	29.7	85
7	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
8	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
9	Early twentieth-century warming linked to tropical Pacific wind strength. Nature Geoscience, 2015, 8, 117-121.	12.9	56
10	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
11	Spatiotemporal variability in the Î´ ¹⁸ Oâ€salinity relationship of seawater across the tropical Pacific Ocean. Paleoceanography, 2017, 32, 484-497.	3.0	47
12	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
13	Extreme temperature events will drive coral decline in the Coral Triangle. Global Change Biology, 2020, 26, 2120-2133.	9.5	36
14	Variability in oceanographic barriers to coral larval dispersal: Do currents shape biodiversity?. Progress in Oceanography, 2018, 165, 110-122.	3.2	33
15	Tropical Pacific climate variability over the last 6000Âyears as recorded in Bainbridge Crater Lake, GalÃ¡pagos. Paleoceanography, 2017, 32, 903-922.	3.0	29
16	Environmental records from coral skeletons: A decade of novel insights and innovation. Wiley Interdisciplinary Reviews: Climate Change, 2022, 13, e745.	8.1	28
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	Impacts of Coral Growth on Geochemistry: Lessons From the GalÃ¡pagos Islands. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004051.	2.9	12

#	Article	IF	Citations
19	Identifying Hydroâ€Sensitive Coral Î´¹⁸O Records for Improved Highâ€Resolution Temperature and Salinity Reconstructions. Geophysical Research Letters, 2022, 49, .	4.0	12
20	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
21	Climate influences on water and sediment properties of Genovesa Crater Lake, GalÃ¡pagos. Journal of Paleolimnology, 2014, 52, 331-347.	1.6	8
22	Linking climate variability and growth in coral skeletal records from the Great Barrier Reef. Coral Reefs, 2019, 38, 29-43.	2.2	8
23	Is there a low-frequency bias in multiproxy reconstructions of tropical pacific SST variability?. Quaternary Science Reviews, 2020, 246, 106530.	3.0	8
24	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
25	Reproducibility of Coral Mn/Caâ€Based Wind Reconstructions at Kiritimati Island and Butaritari Atoll. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009398.	2.5	5
26	Coral-model comparison highlighting the role of salinity in long-term trends. PAGES News, 2013, 21, 60-61.	0.1	5
27	Marginal Reefs Under Stress: Physiological Limits Render GalÃ¡pagos Corals Susceptible to Ocean Acidification and Thermal Stress. AGU Advances, 2022, 3, .	5.4	5
28	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
29	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
30	Fidelity of the Coral Sr/Ca Paleothermometer Following Heat Stress in the Northern GalÃ¡pagos. Paleoceanography and Paleoclimatology, 2021, 36, e2021PA004323.	2.9	3
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	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