

Miriam Pfeiffer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

1,467
citations

22
h-index

38
g-index

45
ext. papers

1,656
ext. citations

3.9
avg, IF

4.12
L-index

#	Paper	IF	Citations
41	Climate records from a bivalved Methuselah (<i>Arctica islandica</i> , Mollusca; Iceland). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005 , 228, 130-148	2.9	245
40	Mutvei's solution: An ideal agent for resolving microgrowth structures of biogenic carbonates. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005 , 228, 149-166	2.9	171
39	Reefs and islands of the Chagos Archipelago, Indian Ocean: why it is the world's largest no-take marine protected area. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012 , 22, 232-261	2.6	125
38	Reconstructing seawater $\delta^{18}O$ from paired coral $\delta^{18}O$ and Sr/Ca ratios: Methods, error analysis and problems, with examples from Tahiti (French Polynesia) and Timor (Indonesia). <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 2841-2853	5.5	65
37	A seasonally resolved bottom-water temperature record for the period AD 1866-2002 based on shells of <i>Arctica islandica</i> (Mollusca, North Sea). <i>International Journal of Climatology</i> , 2005 , 25, 947-962	3.5	60
36	Caribbean coral tracks Atlantic Multidecadal Oscillation and past hurricane activity. <i>Geology</i> , 2008 , 36, 11	5	55
35	Coral-based history of lead and lead isotopes of the surface Indian Ocean since the mid-20th century. <i>Earth and Planetary Science Letters</i> , 2014 , 398, 37-47	5.3	54
34	Three monthly coral Sr/Ca records from the Chagos Archipelago covering the period of 1950-1995 A.D.: reproducibility and implications for quantitative reconstructions of sea surface temperature variations. <i>International Journal of Earth Sciences</i> , 2009 , 98, 53-66	2.2	52
33	Pronounced interannual variability in tropical South Pacific temperatures during Heinrich Stadial 1. <i>Nature Communications</i> , 2012 , 3, 965	17.4	48
32	Rapid 20th century warming in the Caribbean and impact of remote forcing on climate in the northern tropical Atlantic as recorded in a Guadeloupe coral. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010 , 296, 111-124	2.9	40
31	Oceanic forcing of interannual and multidecadal climate variability in the southwestern Indian Ocean: Evidence from a 160 year coral isotopic record (La Réunion, 55°E, 21°S). <i>Paleoceanography</i> , 2004 , 19, n/a-n/a		37
30	Sr/Ca and $\delta^{18}O$ in a fast-growing <i>Diploria strigosa</i> coral: Evaluation of a new climate archive for the tropical Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2006 , 7, n/a-n/a	3.6	35
29	Monsoon-induced cooling of the western equatorial Indian Ocean as recorded in coral oxygen isotope records from the Seychelles covering the period of 1840-1994 AD. <i>Quaternary Science Reviews</i> , 2006 , 25, 993-1009	3.9	35
28	Variability of the Intertropical Convergence Zone recorded in coral isotopic records from the central Indian Ocean (Chagos Archipelago). <i>Quaternary Research</i> , 2004 , 61, 245-255	1.9	34
27	Western Indian Ocean marine and terrestrial records of climate variability: a review and new concepts on land-ocean interactions since AD 1660. <i>International Journal of Earth Sciences</i> , 2009 , 98, 115-133	2.2	28
26	Carbonate shedding and sedimentary cyclicities of a distally steepened carbonate ramp (Miocene, Great Bahama Bank). <i>International Journal of Earth Sciences</i> , 2000 , 89, 140-153	2.2	28
25	Confounding effects of coral growth and high SST variability on skeletal Sr/Ca: Implications for coral paleothermometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 1277-1293	3.6	27

24	Improving SST reconstructions from coral Sr/Ca records: multiple corals from Tahiti (French Polynesia). <i>International Journal of Earth Sciences</i> , 2009 , 98, 31-40	2.2	27
23	Mayotte coral reveals hydrological changes in the western Indian Ocean between 1881 and 1994. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	25
22	Atmosphere-ocean dynamics in the Western Indian Ocean recorded in corals. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005 , 363, 121-42	3	24
21	BMPix and PEAK tools: New methods for automated laminae recognition and countingApplication to glacial varves from Antarctic marine sediment. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	23
20	Paired coral Sr/Ca and $\delta^{18}O$ records from the Chagos Archipelago: Late twentieth century warming affects rainfall variability in the tropical Indian Ocean. <i>Geology</i> , 2006 , 34, 1069	5	23
19	Patterns of Pacific decadal variability recorded by Indian Ocean corals. <i>International Journal of Earth Sciences</i> , 2009 , 98, 41-52	2.2	22
18	A change in coral extension rates and stable isotopes after El Niño-induced coral bleaching and regional stress events. <i>Scientific Reports</i> , 2016 , 6, 32879	4.9	22
17	Twentieth century sea surface temperature and salinity variations at Timor inferred from paired coral $\delta^{18}O$ and Sr/Ca measurements. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 4593-4604	3.3	20
16	Nonstationary ENSO-precipitation teleconnection over the equatorial Indian Ocean documented in a coral from the Chagos Archipelago. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	20
15	High-resolution Sr/Ca ratios in a <i>Porites lutea</i> coral from Lakshadweep Archipelago, southeast Arabian Sea: An example from a region experiencing steady rise in the reef temperature. <i>Journal of Geophysical Research: Oceans</i> , 2016 , 121, 252-266	3.3	18
14	Indian Ocean corals reveal crucial role of World War II bias for twentieth century warming estimates. <i>Scientific Reports</i> , 2017 , 7, 14434	4.9	14
13	Two-dimensional X-ray diffraction as a tool for the rapid, nondestructive detection of low calcite quantities in aragonitic corals. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 3778-3788	3.6	14
12	Seychelles coral record of changes in sea surface temperature bimodality in the western Indian Ocean from the Mid-Holocene to the present. <i>Climate Dynamics</i> , 2014 , 43, 689-708	4.2	13
11	Past summer upwelling events in the Gulf of Oman derived from a coral geochemical record. <i>Scientific Reports</i> , 2017 , 7, 4568	4.9	13
10	A sea surface temperature reconstruction for the southern Indian Ocean trade wind belt from corals in Rodrigues Island (19° S, 63° E). <i>Biogeosciences</i> , 2016 , 13, 5827-5847	4.6	12
9	Oman corals suggest that a stronger winter shamal season caused the Akkadian Empire (Mesopotamia) collapse. <i>Geology</i> , 2019 , 47, 1141-1145	5	9
8	Oman coral $\delta^{18}O$ seawater record suggests that Western Indian Ocean upwelling uncouples from the Indian Ocean Dipole during the global-warming hiatus. <i>Scientific Reports</i> , 2019 , 9, 1887	4.9	9
7	British Indian Ocean Territory (the Chagos Archipelago): Setting, Connections and the Marine Protected Area. <i>Coral Reefs of the World</i> , 2013 , 223-240	2.1	7

6	Reef-Scale-Dependent Response of Massive Porites Corals From the Central Indian Ocean to Prolonged Thermal Stress: Evidence From Coral Sr/Ca Measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 1468-1484	3.6	5
5	Comment on A snapshot of climate variability at Tahiti at 9.5 ka using a fossil coral from IODP Expedition 310 B by Kristine L. DeLong, Terrence M. Quinn, Chuan-Chou Shen, and Ke Lin. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	3
4	El Niño Southern Oscillation and internal sea surface temperature variability in the tropical Indian Ocean since 1675. <i>Climate of the Past</i> , 2021 , 17, 151-170	3.9	2
3	Orbital scale variation of primary productivity in the central equatorial Indian Ocean (Maldives) during the early Pliocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017 , 480, 33-41	2.9	1
2	Corals Reveal an Unprecedented Decrease of Arabian Sea Upwelling During the Current Warming Era. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092432	4.9	1
1	Modern and sub-fossil corals suggest reduced temperature variability in the eastern pole of the Indian Ocean Dipole during the medieval climate anomaly. <i>Scientific Reports</i> , 2021 , 11, 14952	4.9	0