

Yair Rosenthal

List of Publications by Year in descending order

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44
papers

4,482
citations

147801

31
h-index

243625

44
g-index

45
all docs

45
docs citations

45
times ranked

4071
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature control on the incorporation of magnesium, strontium, fluorine, and cadmium into benthic foraminiferal shells from Little Bahama Bank: Prospects for thermocline paleoceanography. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3633-3643.	3.9	425
2	The Holocene temperature conundrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3501-5.	7.1	344
3	Benthic foraminiferal Mg/Ca-paleothermometry: a revised core-top calibration. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3375-3387.	3.9	311
4	2,000-year-long temperature and hydrology reconstructions from the Indo-Pacific warm pool. <i>Nature</i> , 2009, 460, 1113-1116.	27.8	272
5	Precise Determination of Element/Calcium Ratios in Calcareous Samples Using Sector Field Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 3248-3253.	6.5	266
6	Stable sea surface temperatures in the western Pacific warm pool over the past 1.75 million years. <i>Nature</i> , 2005, 433, 294-298.	27.8	255
7	Deep-Sea Temperature and Ice Volume Changes Across the Pliocene-Pleistocene Climate Transitions. <i>Science</i> , 2009, 325, 306-310.	12.6	242
8	The amplitude and phasing of climate change during the last deglaciation in the Sulu Sea, western equatorial Pacific. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	197
9	Interlaboratory comparison study of Mg/Ca and Sr/Ca measurements in planktonic foraminifera for paleoceanographic research. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	170
10	Seasonal origin of the thermal maxima at the Holocene and the last interglacial. <i>Nature</i> , 2021, 589, 548-553.	27.8	154
11	Accurate estimation of sea surface temperatures using dissolution-corrected calibrations for Mg/Ca paleothermometry. <i>Paleoceanography</i> , 2002, 17, 16-1-16-6.	3.0	150
12	Pleistocene sea-surface temperature evolution: Early cooling, delayed glacial intensification, and implications for the mid-Pleistocene climate transition. <i>Earth-Science Reviews</i> , 2013, 123, 173-193.	9.1	149
13	Holocene evolution of the Indonesian throughflow and the western Pacific warm pool. <i>Nature Geoscience</i> , 2010, 3, 578-583.	12.9	141
14	The influence of salinity on Mg/Ca in planktic foraminifers – Evidence from cultures, core-top sediments and complementary $\delta^{18}O$. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 196-213.	3.9	122
15	Last Glacial Maximum paleochemistry and deepwater circulation in the Southern Ocean: Evidence from foraminiferal cadmium. <i>Paleoceanography</i> , 1997, 12, 787-796.	3.0	119
16	Trace element proxies for surface ocean conditions: A synthesis of culture calibrations with planktic foraminifera. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 193, 197-221.	3.9	119
17	The effects of temperature, salinity, and the carbonate system on Mg/Ca in <i>Globigerinoides ruber</i> (white): A global sediment trap calibration. <i>Earth and Planetary Science Letters</i> , 2018, 482, 607-620.	4.4	82
18	Environmental controls on B/Ca in calcite tests of the tropical planktic foraminifer species <i>Globigerinoides ruber</i> and <i>Globigerinoides sacculifer</i> . <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 270-280.	4.4	69

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19	Deglacial $\delta^{18}O$ and hydrologic variability in the tropical Pacific and Indian Oceans. <i>Earth and Planetary Science Letters</i> , 2014, 387, 240-251.	4.4	69
20	Pacific Ocean Heat Content During the Past 10,000 Years. <i>Science</i> , 2013, 342, 617-621.	12.6	65
21	A multiproxy assessment of the western equatorial Pacific hydrography during the last 30 kyr. <i>Paleoceanography</i> , 2007, 22, .	3.0	62
22	Rapid switches in subpolar North Atlantic hydrography and climate during the Last Interglacial (MIS) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	62
23	East Asian monsoon forcing of suborbital variability in the Sulu Sea during Marine Isotope Stage 3: Link to Northern Hemisphere climate. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, 1-13.	2.5	61
24	Ocean-atmosphere climate shift during the mid-to-late Holocene transition. <i>Earth and Planetary Science Letters</i> , 2014, 388, 18-26.	4.4	57
25	Antarctic role in Northern Hemisphere glaciation. <i>Science</i> , 2014, 346, 847-851.	12.6	53
26	Remote and local drivers of Pleistocene South Asian summer monsoon precipitation: A test for future predictions. <i>Science Advances</i> , 2021, 7, .	10.3	50
27	Effects of seafloor and laboratory dissolution on the Mg/Ca composition of Globigerinoides sacculifer and Orbulina universa tests â€” A laser ablation ICPMS microanalysis perspective. <i>Earth and Planetary Science Letters</i> , 2010, 292, 312-324.	4.4	46
28	Southwest Pacific deep water carbonate chemistry linked to high southern latitude climate and atmospheric CO ₂ during the Last Glacial Termination. <i>Quaternary Science Reviews</i> , 2015, 122, 180-191.	3.0	44
29	Calibration of Na partitioning in the calcitic foraminifer Operculina ammonoides under variable Ca concentration: Toward reconstructing past seawater composition. <i>Earth and Planetary Science Letters</i> , 2018, 497, 80-91.	4.4	42
30	Variations in Western Pacific Warm Pool surface and thermocline conditions over the past 110,000 years: Forcing mechanisms and implications for the glacial Walker circulation. <i>Quaternary Science Reviews</i> , 2018, 201, 429-445.	3.0	39
31	Links between eastern equatorial Pacific stratification and atmospheric CO ₂ rise during the last deglaciation. <i>Paleoceanography</i> , 2015, 30, 1407-1424.	3.0	32
32	Temperature calibration of Mg/Ca ratios in the intermediate water benthic foraminifer <i>Hyalinea balthica</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	30
33	Calibration of the B/Ca proxy in the planktic foraminifer <i>Orbulina universa</i> to Paleocene seawater conditions. <i>Paleoceanography</i> , 2017, 32, 580-599.	3.0	29
34	Reduced continental weathering and marine calcification linked to late Neogene decline in atmospheric CO ₂ . <i>Nature Geoscience</i> , 2019, 12, 833-838.	12.9	27
35	Cyclic evolution of phytoplankton forced by changes in tropical seasonality. <i>Nature</i> , 2022, 601, 79-84.	27.8	26
36	A paleo-perspective on ocean heat content: Lessons from the Holocene and Common Era. <i>Quaternary Science Reviews</i> , 2017, 155, 1-12.	3.0	20

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37	A low climate threshold for south Greenland Ice Sheet demise during the Late Pleistocene. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 190-195.	7.1	20
38	Temperature Evolution of the Indo-Pacific Warm Pool Over the Holocene and the Last Deglaciation. Paleoceanography and Paleoclimatology, 2019, 34, 1107-1123.	2.9	19
39	Planktic foraminiferal Na/Ca: A potential proxy for seawater calcium concentration. Geochimica Et Cosmochimica Acta, 2021, 305, 306-322.	3.9	14
40	Evaluating the planktic foraminiferal B/Ca proxy for application to deep time paleoceanography. Earth and Planetary Science Letters, 2019, 528, 115824.	4.4	11
41	A User Guide for Choosing Planktic Foraminiferal Mg/Ca Temperature Calibrations. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	11
42	The Mg/Ca proxy for temperature: A <i>Uvigerina</i> core-top study in the Southwest Pacific. Geochimica Et Cosmochimica Acta, 2021, 309, 299-312.	3.9	2
43	Reply to: Non-trivial role of internal climate feedback on interglacial temperature evolution. Nature, 2021, 600, E4-E6.	27.8	2
44	The Sediment Green-Blue Color Ratio as a Proxy for Biogenic Silica Productivity Along the Chilean Margin. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	2