

Thomas Marchitto

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

4,314
citations

279798

23
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

5678
citing authors

#	ARTICLE	IF	CITATIONS
1	The Geological Record of Ocean Acidification. <i>Science</i> , 2012, 335, 1058-1063.	12.6	828
2	El Nino-Like Pattern in Ice Age Tropical Pacific Sea Surface Temperature. <i>Science</i> , 2002, 297, 226-230.	12.6	505
3	Global climate evolution during the last deglaciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1134-42.	7.1	422
4	Enhanced Modern Heat Transfer to the Arctic by Warm Atlantic Water. <i>Science</i> , 2011, 331, 450-453.	12.6	378
5	Atlantic Meridional Overturning Circulation During the Last Glacial Maximum. <i>Science</i> , 2007, 316, 66-69.	12.6	322
6	Marine Radiocarbon Evidence for the Mechanism of Deglacial Atmospheric CO ₂ Rise. <i>Science</i> , 2007, 316, 1456-1459.	12.6	252
7	Deep water mass geometry in the glacial Atlantic Ocean: A review of constraints from the paleonutrient proxy Cd/Ca. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	143
8	Millennial-scale changes in North Atlantic circulation since the last glaciation. <i>Nature</i> , 1998, 393, 557-561.	27.8	135
9	Dynamical Response of the Tropical Pacific Ocean to Solar Forcing During the Early Holocene. <i>Science</i> , 2010, 330, 1378-1381.	12.6	135
10	Deep Pacific CaCO ₃ compensation and glacial-interglacial atmospheric CO ₂ . <i>Earth and Planetary Science Letters</i> , 2005, 231, 317-336.	4.4	125
11	Precise Temporal Correlation of Holocene Mollusk Shells Using Sclerochronology. <i>Quaternary Research</i> , 2000, 53, 236-246.	1.7	121
12	Zinc concentrations in benthic foraminifera reflect seawater chemistry. <i>Paleoceanography</i> , 2000, 15, 299-306.	3.0	112
13	Mg/Ca temperature proxy in benthic foraminifera: New calibrations from the Florida Straits and a hypothesis regarding Mg/Li. <i>Paleoceanography</i> , 2008, 23, .	3.0	93
14	Dynamical excitation of the tropical Pacific Ocean and ENSO variability by Little Ice Age cooling. <i>Science</i> , 2015, 350, 1537-1541.	12.6	91
15	The release of ¹⁴ C-depleted carbon from the deep ocean during the last deglaciation: Evidence from the Arabian Sea. <i>Earth and Planetary Science Letters</i> , 2010, 298, 244-254.	4.4	79
16	Consistently dated Atlantic sediment cores over the last 40 thousand years. <i>Scientific Data</i> , 2019, 6, 165.	5.3	63
17	History of Laurentide meltwater flow to the Gulf of Mexico during the last deglaciation, as revealed by reworked calcareous nannofossils. <i>Geology</i> , 1995, 23, 779.	4.4	48
18	A simple biomineralization model to explain Li, Mg, and Sr incorporation into aragonitic foraminifera and corals. <i>Earth and Planetary Science Letters</i> , 2018, 481, 20-29.	4.4	48

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19	Precise multielemental ratios in small foraminiferal samples determined by sector field ICP-MS. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	46
20	Data Constraints on Glacial Atlantic Water Mass Geometry and Properties. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1013-1034.	2.9	45
21	Application of Clumped Isotope Thermometry to Benthic Foraminifera. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2082-2090.	2.5	33
22	Testing the utility of paleonutrient proxies Cd/Ca and Zn/Ca in benthic foraminifera from thermocline waters. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	24
23	Sub sea surface temperatures in the Polar North Atlantic during the Holocene: Planktic foraminiferal Mg/Ca temperature reconstructions. <i>Holocene</i> , 2014, 24, 93-103.	1.7	24
24	The surface expression of radiocarbon anomalies near Baja California during deglaciation. <i>Earth and Planetary Science Letters</i> , 2015, 422, 67-74.	4.4	21
25	Reduced-dimension reconstruction of the equatorial Pacific SST and zonal wind fields over the past 10,000 years using Mg/Ca and alkenone records. <i>Paleoceanography</i> , 2016, 31, 928-952.	3.0	21
26	Glacial deep ocean sequestration of CO ₂ driven by the eastern equatorial Pacific biologic pump. <i>Earth and Planetary Science Letters</i> , 2013, 377-378, 43-54.	4.4	20
27	Cooling and freshening at 8.2 ka on the NW Iceland Shelf recorded in paired $\delta^{18}O$ and Mg/Ca measurements of the benthic foraminifer <i>Cibicides lobatulus</i> . <i>Quaternary Research</i> , 2012, 78, 528-539.	1.7	18
28	Reconstruction of Indian summer monsoon winds and precipitation over the past 10,000 years using equatorial Pacific SST proxy records. <i>Paleoceanography</i> , 2017, 32, 195-216.	3.0	17
29	Understanding the Effects of Dissolution on the Mg/Ca Paleothermometer in Planktic Foraminifera: Evidence From a Novel Individual Foraminifera Method. <i>Paleoceanography</i> , 2017, 32, 1386-1402.	3.0	17
30	Atmosphere and ocean chemistry. <i>Nature Geoscience</i> , 2010, 3, 386-387.	12.9	16
31	Timing of Deglacial AMOC Variability From a High-Resolution Seawater Cadmium Reconstruction. <i>Paleoceanography</i> , 2017, 32, 1195-1203.	3.0	13
32	New constraints on deglacial marine radiocarbon anomalies from a depth transect near Baja California. <i>Paleoceanography</i> , 2016, 31, 1103-1116.	3.0	12
33	Effects of Acid Rock Drainage on Stocked Rainbow Trout (<i>Oncorhynchus mykiss</i>): An In-Situ, Caged Fish Experiment. <i>Environmental Monitoring and Assessment</i> , 2007, 130, 111-127.	2.7	10
34	Mg/Ca-temperature calibration for the benthic foraminifera <i>Melonis barleeanum</i> and <i>Melonis pompilioides</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2017, 217, 365-383.	3.9	10
35	Multiproxy Reduced-Dimension Reconstruction of Pliocene Equatorial Pacific Sea Surface Temperatures. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003685.	2.9	9
36	Comparison of Laser Ablation and Solution-Based ICP-MS Results for Individual Foraminifer Mg/Ca and Sr/Ca Analyses. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009254.	2.5	9

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37	Investigating ENSO-Related Temperature Variability in Equatorial Pacific Core-Tops Using Mg/Ca in Individual Planktic Foraminifera. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003774.	2.9	7
38	Central Equatorial Pacific Cooling During the Last Glacial Maximum. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL088592.	4.0	7
39	Deconvolving the saturation state and temperature controls on benthic foraminiferal Li/Ca, based on downcore paired B/Ca measurements and core-top compilation. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 297-314.	3.9	6
40	Foraminifera Trace Anthropogenic CO ₂ in the NW Atlantic by 1950. <i>Geophysical Research Letters</i> , 2019, 46, 14683-14691.	4.0	5
41	Enhancing the morphological segmentation of microscopic fossils through Localized Topology-Aware Edge Detection. <i>Autonomous Robots</i> , 2021, 45, 709-723.	4.8	5
42	Reproducibility of Coral Mn/Ca-Based Wind Reconstructions at Kiritimati Island and Butaritari Atoll. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009398.	2.5	5
43	Intermediate water circulation changes in the Florida Straits from a 35 ka record of Mg/Li-derived temperature and Cd/Ca-derived seawater cadmium. <i>Earth and Planetary Science Letters</i> , 2019, 523, 115692.	4.4	4
44	The remote response of the South Asian Monsoon to reduced dust emissions and Sahara greening during the middle Holocene. <i>Climate of the Past</i> , 2021, 17, 1243-1271.	3.4	4
45	Deep Ocean Storage of Heat and CO ₂ in the Fram Strait, Arctic Ocean During the Last Glacial Period. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004216.	2.9	4
46	Seawater Cadmium in the Florida Straits Over the Holocene and Implications for Upper AMOC Variability. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	2.9	2
47	A mechanistic investigation of the coral Mn/Ca-based trade-wind proxy at Kiritimati. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 328, 58-75.	3.9	0