Alfredo MartÃ-nez-GarcÃ-a

List of Publications by Year
in descending order

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73	3,816	147801	128289
papers	citations	31 h-index	60 g-index

80	80	80	3783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cenozoic megatooth sharks occupied extremely high trophic positions. Science Advances, 2022, 8, .	10.3	15
2	Early deglacial CO2 release from the Sub-Antarctic Atlantic and Pacific oceans. Earth and Planetary Science Letters, 2021, 554, 116649.	4.4	10
3	The Southern Ocean during the ice ages: A review of the Antarctic surface isolation hypothesis, with comparison to the North Pacific. Quaternary Science Reviews, 2021, 254, 106732.	3.0	46
4	Correlation between the carbon isotopic composition of planktonic foraminifera-bound organic matter and surface water pCO2 across the equatorial Pacific. Geochimica Et Cosmochimica Acta, 2021, 306, 281-303.	3.9	5
5	Nitrogen isotopes in tooth enamel record diet and trophic level enrichment: Results from a controlled feeding experiment. Chemical Geology, 2021, 563, 120047.	3.3	28
6	Temperature Reconstructions Using Speleothems. Elements, 2021, 17, 101-106.	0.5	6
7	Ice Ageâ€Holocene Similarity of Foraminiferaâ€Bound Nitrogen Isotope Ratios in the Eastern Equatorial Pacific. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004063.	2.9	13
8	Intensified organic carbon burial on the Australian shelf after the Middle Pleistocene transition. Quaternary Science Reviews, 2021, 262, 106965.	3.0	13
9	Opposite dust grain-size patterns in the Pacific and Atlantic sectors of the Southern Ocean during the last 260,000 years. Quaternary Science Reviews, 2021, 263, 106978.	3.0	6
10	Distinct nitrogen isotopic compositions of healthy and cancerous tissue in mice brain and head&neck micro-biopsies. BMC Cancer, 2021, 21, 805.	2.6	3
11	Arctic Ocean stratification set by sea level and freshwater inputs since the last ice age. Nature Geoscience, 2021, 14, 684-689.	12.9	27
12	Muted multidecadal climate variability in central Europe during cold stadial periods. Nature Geoscience, 2021, 14, 651-658.	12.9	18
13	Multi-isotopic and trace element evidence against different formation pathways for oyster microstructures. Geochimica Et Cosmochimica Acta, 2021, 308, 326-352.	3.9	13
14	Nitrogen isotopic constraints on nutrient transport to the upper ocean. Nature Geoscience, 2021, 14, 855-861.	12.9	17
15	Penultimate deglaciation Asian monsoon response to North Atlantic circulation collapse. Nature Geoscience, 2021, 14, 937-941.	12.9	21
16	The Nitrogen Isotopic Composition of Tissue and Shellâ€Bound Organic Matter of Planktic Foraminifera in Southern Ocean Surface Waters. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008440.	2.5	20
17	Megacity development and the demise of coastal coral communities: Evidence from coral skeleton Î´¹⁵N records in the Pearl River estuary. Global Change Biology, 2020, 26, 1338-1353.	9.5	30
18	Glacial heterogeneity in Southern Ocean carbon storage abated by fast South Indian deglacial carbon release. Nature Communications, 2020, 11, 6192.	12.8	27

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19	Coupled Southern Ocean cooling and Antarctic ice sheet expansion during the middle Miocene. Nature Geoscience, 2020, 13, 634-639.	12.9	36
20	Southern Ocean upwelling, Earthâ€™s obliquity, and glacial-interglacial atmospheric CO ₂ change. Science, 2020, 370, 1348-1352.	12.6	57
21	Simultaneous extraction and chromatographic separation of n-alkanes and alkenones from glycerol dialkyl glycerol tetraethers via selective Accelerated Solvent Extraction. Organic Geochemistry, 2020, 143, 103979.	1.8	15
22	Glacial-interglacial dust and export production records from the Southern Indian Ocean. Earth and Planetary Science Letters, 2019, 525, 115716.	4.4	30
23	Stepwise Weakening of the Pliocene Leeuwin Current. Geophysical Research Letters, 2019, 46, 8310-8319.	4.0	24
24	Gulf Stream intensification after the early Pliocene shoaling of the Central American Seaway. Earth and Planetary Science Letters, 2019, 520, 268-278.	4.4	15
25	Nitrogen isotope evidence for expanded ocean suboxia in the early Cenozoic. Science, 2019, 364, 386-389.	12.6	43
26	The residence time of Southern Ocean surface waters and the 100,000-year ice age cycle. Science, 2019, 363, 1080-1084.	12.6	58
27	Distribution of Glycerol Dialkyl Glycerol Tetraethers (GDGTs) in Microbial Mats From Holocene and Miocene Sabkha Sediments. Frontiers in Earth Science, 2019, 7, .	1.8	6
28	Glacial Indonesian Throughflow weakening across the Mid-Pleistocene Climatic Transition. Scientific Reports, 2019, 9, 16995.	3.3	44
29	The isotope effect of nitrate assimilation in the Antarctic Zone: Improved estimates and paleoceanographic implications. Geochimica Et Cosmochimica Acta, 2019, 247, 261-279.	3.9	28
30	Fingerprint of tropical climate variability and sea level inÂsediments of the Cariaco Basin during the last glacial period. Sedimentology, 2019, 66, 1967-1988.	3.1	5
31	Transient hydrodynamic effects influence organic carbon signatures in marine sediments. Nature Communications, 2018, 9, 4690.	12.8	27
32	A Seasonal Model of Nitrogen Isotopes in the Ice Age Antarctic Zone: Support for Weakening of the Southern Ocean Upper Overturning Cell. Paleoceanography and Paleoclimatology, 2018, 33, 1453-1471.	2.9	12
33	Advances in planktonic foraminifer research: New perspectives for paleoceanography. Revue De Micropaleontologie, 2018, 61, 113-138.	0.4	32
34	Increased nutrient supply to the Southern Ocean during the Holocene and its implications for the pre-industrial atmospheric CO2 rise. Nature Geoscience, 2018, 11, 756-760.	12.9	40
35	Determination of the Mg/Mn ratio in foraminiferal coatings: An approach to correct Mg/Ca temperatures for Mn-rich contaminant phases. Earth and Planetary Science Letters, 2017, 457, 335-347.	4.4	22
36	Deep-sea coral evidence for lower Southern Ocean surface nitrate concentrations during the last ice age. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3352-3357.	7.1	57

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37	Mg/Ca-temperature calibration for the benthic foraminifera Melonis barleeanum and Melonis pompilioides. Geochimica Et Cosmochimica Acta, 2017, 217, 365-383.	3.9	10
38	Modern planktic foraminifers in the high-latitude ocean. Marine Micropaleontology, 2017, 136, 1-13.	1.2	41
39	Impact of glacial/interglacial sea level change on the ocean nitrogen cycle. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6759-E6766.	7.1	55
40	Causes of ice age intensification across the Mid-Pleistocene Transition. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13114-13119.	7.1	166
41	Nitrogen isotopic evidence for a shift from nitrate- to diazotroph-fueled export production in the VAHINE mesocosm experiments. Biogeosciences, 2016, 13, 4645-4657.	3.3	15
42	Appraising GDGT-based seawater temperature indices in the Southern Ocean. Organic Geochemistry, 2016, 102, 93-105.	1.8	16
43	Nitrogen isotopic composition of organic matter from a 168 year-old coral skeleton: Implications for coastal nutrient cycling in the Great Barrier Reef Lagoon. Earth and Planetary Science Letters, 2016, 434, 161-170.	4.4	25
44	Covariation of deep Southern Ocean oxygenation and atmospheric CO2 through the last ice age. Nature, 2016, 530, 207-210.	27.8	173
45	Antarctic Zone nutrient conditions during the last two glacial cycles. Paleoceanography, 2015, 30, 845-862.	3.0	88
46	Iron Fertilization of the Subantarctic Ocean During the Last Ice Age. Science, 2014, 343, 1347-1350.	12.6	350
47	Comment on â€œThe transition on North America from the warm humid Pliocene to the glaciated Quaternary traced by eolian dust deposition at a benchmark North Atlantic Ocean drill site, by David Lang etÂal. Quaternary Science Reviews 93: 125â€“141â€• Quaternary Science Reviews, 2014, 103, 175-179.	3.0	0
48	A stagnation event in the deep South Atlantic during the last interglacial period. Science, 2014, 346, 1514-1517.	12.6	62
49	Molecular records of continental air temperature and monsoon precipitation variability in East Asia spanning the past 130,000 years. Quaternary Science Reviews, 2014, 83, 76-82.	3.0	118
50	Increased Dust Deposition in the Pacific Southern Ocean During Glacial Periods. Science, 2014, 343, 403-407.	12.6	184
51	Appraisal of TEX86 and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>TEX</mml:mtext></mml:mrow><mml:mrow><mml:mn>8</mml:mn></mml:mrow><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:msubsup></mml:mrow></mml:math> thermometries in subpolar and polar regions. Geochimica Et Cosmochimica Acta, 2014, 131, 213-226.	3.9	72
52	Persistent warmth across the Benguela upwelling system during the Pliocene epoch. Earth and Planetary Science Letters, 2014, 386, 10-20.	4.4	30
53	Iron fertilization in the glacial ocean. Past Global Change Magazine, 2014, 22, 82-83.	0.1	7
54	Changes in North Atlantic nitrogen fixation controlled by ocean circulation. Nature, 2013, 501, 200-203.	27.8	75

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55	Deglacial pulses of deep-ocean silicate into the subtropical North Atlantic Ocean. Nature, 2013, 495, 495-498.	27.8	75
56	Two Modes of Change in Southern Ocean Productivity Over the Past Million Years. Science, 2013, 339, 1419-1423.	12.6	194
57	Time-transgressive North Atlantic productivity changes upon Northern Hemisphere glaciation. Paleoceanography, 2013, 28, 740-751.	3.0	39
58	An interlaboratory study of TEX₈₆ and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285.	2.5	76
59	Transfer of seston lipids during a flagellate bloom from the surface to the benthic community in the Weddell Sea. Scientia Marina, 2013, 77, 397-407.	0.6	10
60	Temporal variation of seston biomarkers within the Humboldt Current System off northern Chile (21Â°S): first simultaneous records on fatty acids,n-alkanes and glycerol-dialkyl-glycerol-tetraethers (GDGT). Advances in Oceanography and Limnology, 2012, 3, 17-40.	0.6	13
61	Southern Ocean dust-climate coupling over the Plio-Pleistocene. Quaternary International, 2012, 279-280, 309.	1.5	0
62	Strengthening of North American dust sources during the late Pliocene (2.7 Ma). Earth and Planetary Science Letters, 2012, 317-318, 8-19.	4.4	101
63	Glacial Southern Ocean freshening at the onset of the Middle Pleistocene Climate Transition. Earth and Planetary Science Letters, 2012, 345-348, 194-202.	4.4	21
64	Enhanced stratification and seasonality in the Subarctic Pacific upon Northern Hemisphere Glaciationâ€“New evidence from diatom-bound nitrogen isotopes, alkenones and archaeal tetraethers. Earth and Planetary Science Letters, 2012, 351-352, 84-94.	4.4	39
65	Co-variation of crenarchaeol and branched GDGTs in globally-distributed marine and freshwater sedimentary archives. Global and Planetary Change, 2012, 92-93, 275-285.	3.5	41
66	Sea surface temperature variability in the Pacific sector of the Southern Ocean over the past 700 kyr. Paleoceanography, 2012, 27, .	3.0	57
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73	Benefits of freeze-drying sediments for the analysis of total chlorins and alkenone concentrations in marine sediments. Organic Geochemistry, 2007, 38, 1002-1007.	1.8	18