

C M Chiessi

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

2,558
citations

196777

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263392

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113
docs citations

113
times ranked

2826
citing authors

#	ARTICLE	IF	CITATIONS
1	Obliquity Influence on Low-Latitude Coastal Precipitation in Eastern Brazil During the Past ~14850 kyr. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	1.3	1
2	Changes in obliquity drive tree cover shifts in eastern tropical South America. <i>Quaternary Science Reviews</i> , 2022, 279, 107402.	1.4	4
3	Tropical South American Rainfall Response to Dansgaard-Oeschger Stadials of Marine Isotope Stage 5. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	0
4	Identification of western South Atlantic stocks of the Lane snapper (<i>Lutjanus synagris</i>) from an otolith based multi-proxy approach. <i>Fisheries Research</i> , 2022, 253, 106356.	0.9	2
5	A data-model perspective on the Brazilian margin surface warming from the Last Glacial Maximum to the Holocene. <i>Quaternary Science Reviews</i> , 2022, 286, 107557.	1.4	6
6	World Atlas of late Quaternary Foraminiferal Oxygen and Carbon Isotope Ratios. <i>Earth System Science Data</i> , 2022, 14, 2553-2611.	3.7	5
7	Holocene palaeoceanographic history of the western South Atlantic. <i>Journal of South American Earth Sciences</i> , 2022, , 103896.	0.6	0
8	South American precipitation dipole forced by interhemispheric temperature gradient. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
9	Development and characterization of a new in-house reference material for stable carbon and oxygen isotopes analyses. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1125-1134.	1.6	15
10	A Multi-Proxy Approach to Unravel Late Pleistocene Sediment Flux and Bottom Water Conditions in the Western South Atlantic Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004058.	1.3	11
11	Mid-to Late Holocene Contraction of the Intertropical Convergence Zone Over Northeastern South America. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003936.	1.3	17
12	Morphotype and Crust Effects on the Geochemistry of <i>Globorotalia inflata</i> . <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004224.	1.3	4
13	Meridional changes in the South Atlantic Subtropical Gyre during Heinrich Stadials. <i>Scientific Reports</i> , 2021, 11, 9419.	1.6	5
14	Role of the Tropical Atlantic for the Interhemispheric Heat Transport During the Last Deglaciation. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004107.	1.3	7
15	Modern isotopic signatures of Plata River sediments and changes in sediment supply to the western subtropical South Atlantic during the last 30 kyr. <i>Quaternary Science Reviews</i> , 2021, 259, 106910.	1.4	1
16	Late Holocene Precipitation Fluctuations in South America Triggered by Variability of the North Atlantic Overturning Circulation. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004223.	1.3	5
17	Negligible Quantities of Particulate Low-Temperature Pyrogenic Carbon Reach the Atlantic Ocean via the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006990.	1.9	7
18	Biochronostratigraphy of the western equatorial Atlantic for the last 1.93 Ma. <i>Quaternary International</i> , 2021, 598, 24-37.	0.7	5

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19	Coupled changes in western South Atlantic carbon sequestration and particle reactive element cycling during millennial-scale Holocene climate variability. <i>Scientific Reports</i> , 2021, 11, 24378.	1.6	1
20	Changes in surface hydrography at the western tropical Atlantic during the Younger Dryas. <i>Global and Planetary Change</i> , 2020, 184, 103047.	1.6	9
21	South Brazilian Bight mid- to late Holocene hydrographic fluctuations. <i>Geo-Marine Letters</i> , 2020, 40, 1045-1055.	0.5	7
22	The response of a dune succession from Lençóis Maranhenses, NE Brazil, to climate changes between MIS 3 and MIS 2. <i>Quaternary International</i> , 2020, 537, 97-111.	0.7	4
23	Ocean-atmosphere interactions over the western South Atlantic during Heinrich stadials. <i>Global and Planetary Change</i> , 2020, 195, 103352.	1.6	7
24	Insolation and Greenhouse Gas Forcing of the South American Monsoon System Across Three Glacial-Interglacial Cycles. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087948.	1.5	14
25	Constraining Millennial-Scale Changes in Northern Component Water Ventilation in the Western Tropical South Atlantic. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003876.	1.3	7
26	Asymmetric response of the subtropical western South Atlantic thermocline to the Dansgaard-Oeschger events of Marine Isotope Stages 5 and 3. <i>Quaternary Science Reviews</i> , 2020, 237, 106307.	1.4	9
27	Forcing of western tropical South Atlantic sea surface temperature across three glacial-interglacial cycles. <i>Global and Planetary Change</i> , 2020, 188, 103150.	1.6	15
28	Dissolved silicon isotope dynamics in large river estuaries. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 367-382.	1.6	20
29	Optically Stimulated Luminescence Sensitivity of Quartz for Provenance Analysis. <i>Methods and Protocols</i> , 2020, 3, 6.	0.9	11
30	Modern pollen signatures of Amazonian rivers and new insights for environmental reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 554, 109802.	1.0	7
31	Shifts of the Brazil-Falklands/Malvinas Confluence in the western South Atlantic during the latest Pleistocene-Holocene inferred from dinoflagellate cysts. <i>Palynology</i> , 2019, 43, 483-493.	0.7	10
32	Thermoluminescence and Optically Stimulated Luminescence Measured in Marine Sediments Indicate Precipitation Changes Over Northeastern Brazil. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1476-1486.	1.3	11
33	Modern and late Pleistocene particulate organic carbon transport by the Amazon River: Insights from long-chain alkyl diols. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 262, 1-19.	1.6	14
34	Spatiotemporal Variations of Riverine Discharge Within the Amazon Basin During the Late Holocene Coincide With Extratropical Temperature Anomalies. <i>Geophysical Research Letters</i> , 2019, 46, 9013-9022.	1.5	14
35	Tracking Spread of the Agulhas Leakage Into the Western South Atlantic and Its Northward Transmission During the Last Interglacial. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1744-1760.	1.3	9
36	A new mechanism for millennial scale positive precipitation anomalies over tropical South America. <i>Quaternary Science Reviews</i> , 2019, 225, 105990.	1.4	29

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37	Understanding the mechanisms behind high glacial productivity in the southern Brazilian margin. <i>Climate of the Past</i> , 2019, 15, 943-955.	1.3	19
38	Thermal response of the western tropical Atlantic to slowdown of the Atlantic Meridional Overturning Circulation. <i>Earth and Planetary Science Letters</i> , 2019, 519, 120-129.	1.8	12
39	Chronology of Terra Firme formation in Amazonian lowlands reveals a dynamic Quaternary landscape. <i>Quaternary Science Reviews</i> , 2019, 210, 154-163.	1.4	64
40	Brazilian montane rainforest expansion induced by Heinrich Stadial 1 event. <i>Scientific Reports</i> , 2019, 9, 17912.	1.6	13
41	The role of abrupt climate change in the formation of an open vegetation enclave in northern Amazonia during the late Quaternary. <i>Global and Planetary Change</i> , 2019, 172, 140-149.	1.6	24
42	Luminescence of quartz and feldspar fingerprints provenance and correlates with the source area denudation in the Amazon River basin. <i>Earth and Planetary Science Letters</i> , 2018, 492, 152-162.	1.8	55
43	Methane release from the southern Brazilian margin during the last glacial. <i>Scientific Reports</i> , 2018, 8, 5948.	1.6	25
44	Late Quaternary environmental dynamics inferred from marine sediment core GeoB6211-2 off southern Brazil. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 496, 48-61.	1.0	26
45	Increased Amazon freshwater discharge during late Heinrich Stadial 1. <i>Quaternary Science Reviews</i> , 2018, 181, 144-155.	1.4	21
46	Similar mid-depth Atlantic water mass provenance during the Last Glacial Maximum and Heinrich Stadial 1. <i>Earth and Planetary Science Letters</i> , 2018, 490, 51-61.	1.8	16
47	Sedimentary and rock magnetic signatures and event scenarios of deglacial outburst floods from the Laurentian Channel Ice Stream. <i>Quaternary Science Reviews</i> , 2018, 186, 27-46.	1.4	12
48	Millennial-to Orbital Scale Responses of Western Equatorial Atlantic Thermocline Depth to Changes in the Trade Wind System Since the Last Interglacial. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1490-1507.	1.3	36
49	Holocene provenance shift of suspended particulate matter in the Amazon River basin. <i>Quaternary Science Reviews</i> , 2018, 190, 66-80.	1.4	25
50	Intermittent development of forest corridors in northeastern Brazil during the last deglaciation: Climatic and ecologic evidence. <i>Quaternary Science Reviews</i> , 2018, 192, 86-96.	1.4	26
51	Prolonged warming of the Brazil Current precedes deglaciations. <i>Earth and Planetary Science Letters</i> , 2017, 463, 1-12.	1.8	54
52	Synchronous and proportional deglacial changes in Atlantic meridional overturning and northeast Brazilian precipitation. <i>Paleoceanography</i> , 2017, 32, 622-633.	3.0	86
53	Response of the Amazon rainforest to late Pleistocene climate variability. <i>Earth and Planetary Science Letters</i> , 2017, 479, 50-59.	1.8	50
54	Different precipitation patterns across tropical South America during Heinrich and Dansgaard-Oeschger stadials. <i>Quaternary Science Reviews</i> , 2017, 177, 1-9.	1.4	37

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55	Variability in mid-depth ventilation of the western Atlantic Ocean during the last deglaciation. <i>Paleoceanography</i> , 2017, 32, 948-965.	3.0	25
56	Deglacial changes in the strength of deep southern component water and sediment supply at the Argentine continental margin. <i>Paleoceanography</i> , 2017, 32, 796-812.	3.0	10
57	Coupling of equatorial Atlantic surface stratification to glacial shifts in the tropical rainbelt. <i>Scientific Reports</i> , 2017, 7, 1561.	1.6	22
58	Long-term vegetation, climate and ocean dynamics inferred from a 73,500 years old marine sediment core (GeoB2107-3) off southern Brazil. <i>Quaternary Science Reviews</i> , 2017, 172, 55-71.	1.4	40
59	The Impact of the AMOC Resumption in the Western South Atlantic Thermocline at the Onset of the Last Interglacial. <i>Geophysical Research Letters</i> , 2017, 44, 11,547.	1.5	8
60	The Fate of Carbon in Sediments of the Xingu and Tapaj�s Clearwater Rivers, Eastern Amazon. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	18
61	<i></i><sup>13</sup>C decreases in the upper western South Atlantic during Heinrich Stadials 3 and 2. <i>Climate of the Past</i> , 2017, 13, 345-358.	1.3	10
62	Origin and processing of terrestrial organic carbon in the Amazon system: lignin phenols in river, shelf, and fan sediments. <i>Biogeosciences</i> , 2017, 14, 2495-2512.	1.3	19
63	Holocene changes in Antarctic Intermediate Water flow strength in the Southwest Atlantic. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 463, 60-67.	1.0	16
64	Origin, transport and deposition of leaf-wax biomarkers in the Amazon Basin and the adjacent Atlantic. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 192, 149-165.	1.6	40
65	Tracing shifts of oceanic fronts using the cryptic diversity of the planktonic foraminifera <i>Globorotalia inflata</i>. <i>Paleoceanography</i> , 2016, 31, 1193-1205.	3.0	19
66	Antarctic intermediate water circulation in the South Atlantic over the past 25,000�years. <i>Paleoceanography</i> , 2016, 31, 1302-1314.	3.0	29
67	North Atlantic Deep Water Production during the Last Glacial Maximum. <i>Nature Communications</i> , 2016, 7, 11765.	5.8	120
68	Equatorial Pacific forcing of western Amazonian precipitation during Heinrich Stadial 1. <i>Scientific Reports</i> , 2016, 6, 35866.	1.6	13
69	Timing and structure of Mega�SACZ events during Heinrich Stadial 1. <i>Geophysical Research Letters</i> , 2015, 42, 5477.	1.5	93
70	Testing the D / H ratio of alkenones and palmitic acid as salinity proxies in the Amazon Plume. <i>Biogeosciences</i> , 2015, 12, 7239-7249.	1.3	18
71	Thermal evolution of the western South Atlantic and the adjacent continent during Termination 1. <i>Climate of the Past</i> , 2015, 11, 915-929.	1.3	41
72	Holocene shifts of the southern westerlies across the South Atlantic. <i>Paleoceanography</i> , 2015, 30, 39-51.	3.0	48

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73	Sea-surface temperature reconstruction of the Quaternary western South Atlantic: New planktonic foraminiferal correlation function. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 425, 67-75.	1.0	8
74	Depositional provinces, dispersal, and origin of terrigenous sediments along the SE South American continental margin. <i>Marine Geology</i> , 2015, 363, 261-272.	0.9	44
75	Origin of increased terrigenous supply to the NE South American continental margin during Heinrich Stadial 1 and the Younger Dryas. <i>Earth and Planetary Science Letters</i> , 2015, 432, 493-500.	1.8	65
76	Terrigenous input off northern South America driven by changes in Amazonian climate and the North Brazil Current retroflexion during the last 250 ka. <i>Climate of the Past</i> , 2014, 10, 843-862.	1.3	66
77	The high-supply, current-dominated continental margin of southeastern South America during the late Quaternary. <i>Quaternary Research</i> , 2014, 81, 339-354.	1.0	46
78	Variability of the Brazil Current during the late Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 28-36.	1.0	56
79	Holocene shifts of the Subtropical Shelf Front off southeastern South America controlled by high and low latitude atmospheric forcings. <i>Paleoceanography</i> , 2013, 28, 481-490.	3.0	25
80	Interaction of the South American Monsoon System and the Southern Westerly Wind Belt during the last 14kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 374, 28-40.	1.0	45
81	A submarine canyon as a climate archive – Interaction of the Antarctic Intermediate Water with the Mar del Plata Canyon (Southwest Atlantic). <i>Marine Geology</i> , 2013, 341, 46-57.	0.9	43
82	Mid-Holocene PMIP3/CMIP5 model results: Intercomparison for the South American Monsoon System. <i>Holocene</i> , 2013, 23, 1915-1920.	0.9	35
83	A mid-Holocene climate reconstruction for eastern South America. <i>Climate of the Past</i> , 2013, 9, 2117-2133.	1.3	79
84	Abrupt changes in high-latitude nutrient supply to the Atlantic during the last glacial cycle. <i>Geology</i> , 2012, 40, 123-126.	2.0	33
85	Distribution of major elements in Atlantic surface sediments (36°N–49°S): Imprint of terrigenous input and continental weathering. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	170
86	Mg/Ca of <i>Globorotalia inflata</i> as a recorder of permanent thermocline temperatures in the South Atlantic. <i>Paleoceanography</i> , 2011, 26, .	3.0	62
87	Sediment dynamics and geohazards off Uruguay and the de la Plata River region (northern Argentina) <i>Tj ETQq1 1 0,784314 rgBT /Ove</i>	0,5	88
88	How different proxies record precipitation variability over southeastern South America. <i>IOP Conference Series: Earth and Environmental Science</i> , 2010, 9, 012007.	0.2	15
89	Possible impact of the Atlantic Multidecadal Oscillation on the South American summer monsoon. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	79
90	South Atlantic interocean exchange as the trigger for the BÅlling warm event. <i>Geology</i> , 2008, 36, 919.	2.0	41

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91	Signature of the Brazil-Malvinas Confluence (Argentine Basin) in the isotopic composition of planktonic foraminifera from surface sediments. <i>Marine Micropaleontology</i> , 2007, 64, 52-66.	0.5	63
92	Signature of the Brazil-Malvinas confluence in the isotopic composition of planktonic foraminifera from core top sediments. <i>Anuario Do Instituto De Geociencias</i> , 2006, 29, 582-583.	0.2	1
93	Trans-Amazon Drilling Project (TADP): origins and evolution of the forests, climate, and hydrology of the South American tropics. <i>Scientific Drilling</i> , 0, 20, 41-49.	1.0	11
94	Coupled Oceanic and Atmospheric Controls of Deglacial Southeastern South America Precipitation and Western South Atlantic Productivity. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	1
95	Marine Paleoproductivity From the Last Glacial Maximum to the Holocene in the Southwestern Atlantic: A Coccolithophore Assemblage and Geochemical Proxy Perspective. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	3