

# C M Chiessi

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

2,558  
citations

172457

29  
h-index

233421

45  
g-index

113  
all docs

113  
docs citations

113  
times ranked

2555  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, .	2.5	170
2	North Atlantic Deep Water Production during the Last Glacial Maximum. <i>Nature Communications</i> , 2016, 7, 11765.	12.8	120
3	Timing and structure of Mega-ACZ events during Heinrich Stadial 1. <i>Geophysical Research Letters</i> , 2015, 42, 5477.	4.0	93
4	Synchronous and proportional deglacial changes in Atlantic meridional overturning and northeast Brazilian precipitation. <i>Paleoceanography</i> , 2017, 32, 622-633.	3.0	86
5	Possible impact of the Atlantic Multidecadal Oscillation on the South American summer monsoon. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	79
6	A mid-Holocene climate reconstruction for eastern South America. <i>Climate of the Past</i> , 2013, 9, 2117-2133.	3.4	79
7	Sediment dynamics and geohazards off Uruguay and the de la Plata River region (northern Argentina) <a href="#">Tj ETQq1 1 0,784314 rgBT /Ov</a>	1.1	88
8	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.	3.4	66
9	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.	4.4	65
10	Chronology of Terra Firme formation in Amazonian lowlands reveals a dynamic Quaternary landscape. <i>Quaternary Science Reviews</i> , 2019, 210, 154-163.	3.0	64
11	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.	1.2	63
12	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
13	Variability of the Brazil Current during the late Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 28-36.	2.3	56
14	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.	4.4	55
15	Prolonged warming of the Brazil Current precedes deglaciations. <i>Earth and Planetary Science Letters</i> , 2017, 463, 1-12.	4.4	54
16	Response of the Amazon rainforest to late Pleistocene climate variability. <i>Earth and Planetary Science Letters</i> , 2017, 479, 50-59.	4.4	50
17	Holocene shifts of the southern westerlies across the South Atlantic. <i>Paleoceanography</i> , 2015, 30, 39-51.	3.0	48
18	The high-supply, current-dominated continental margin of southeastern South America during the late Quaternary. <i>Quaternary Research</i> , 2014, 81, 339-354.	1.7	46

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19	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.	2.3	45
20	Depositional provinces, dispersal, and origin of terrigenous sediments along the SE South American continental margin. <i>Marine Geology</i> , 2015, 363, 261-272.	2.1	44
21	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.	2.1	43
22	South Atlantic interocean exchange as the trigger for the BÅlling warm event. <i>Geology</i> , 2008, 36, 919.	4.4	41
23	Thermal evolution of the western South Atlantic and the adjacent continent during Termination 1. <i>Climate of the Past</i> , 2015, 11, 915-929.	3.4	41
24	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.	3.9	40
25	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.	3.0	40
26	Different precipitation patterns across tropical South America during Heinrich and Dansgaard-Oeschger stadials. <i>Quaternary Science Reviews</i> , 2017, 177, 1-9.	3.0	37
27	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.	2.9	36
28	Mid-Holocene PMIP3/CMIP5 model results: Intercomparison for the South American Monsoon System. <i>Holocene</i> , 2013, 23, 1915-1920.	1.7	35
29	Abrupt changes in high-latitude nutrient supply to the Atlantic during the last glacial cycle. <i>Geology</i> , 2012, 40, 123-126.	4.4	33
30	Antarctic intermediate water circulation in the South Atlantic over the past 25,000 years. <i>Paleoceanography</i> , 2016, 31, 1302-1314.	3.0	29
31	A new mechanism for millennial scale positive precipitation anomalies over tropical South America. <i>Quaternary Science Reviews</i> , 2019, 225, 105990.	3.0	29
32	Late Quaternary environmental dynamics inferred from marine sediment core GeoB6211-2 off southern Brazil. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 496, 48-61.	2.3	26
33	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.	3.0	26
34	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
35	Variability in mid-depth ventilation of the western Atlantic Ocean during the last deglaciation. <i>Paleoceanography</i> , 2017, 32, 948-965.	3.0	25
36	Methane release from the southern Brazilian margin during the last glacial. <i>Scientific Reports</i> , 2018, 8, 5948.	3.3	25

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37	Holocene provenance shift of suspended particulate matter in the Amazon River basin. <i>Quaternary Science Reviews</i> , 2018, 190, 66-80.	3.0	25
38	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.	3.5	24
39	Coupling of equatorial Atlantic surface stratification to glacial shifts in the tropical rainbelt. <i>Scientific Reports</i> , 2017, 7, 1561.	3.3	22
40	Increased Amazon freshwater discharge during late Heinrich Stadial 1. <i>Quaternary Science Reviews</i> , 2018, 181, 144-155.	3.0	21
41	Dissolved silicon isotope dynamics in large river estuaries. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 367-382.	3.9	20
42	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
43	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.	3.3	19
44	Understanding the mechanisms behind high glacial productivity in the southern Brazilian margin. <i>Climate of the Past</i> , 2019, 15, 943-955.	3.4	19
45	Testing the D / H ratio of alkenones and palmitic acid as salinity proxies in the Amazon Plume. <i>Biogeosciences</i> , 2015, 12, 7239-7249.	3.3	18
46	The Fate of Carbon in Sediments of the Xingu and Tapaj�s Clearwater Rivers, Eastern Amazon. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	18
47	Mid�to Late Holocene Contraction of the Intertropical Convergence Zone Over Northeastern South America. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003936.	2.9	17
48	Holocene changes in Antarctic Intermediate Water flow strength in the Southwest Atlantic. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 463, 60-67.	2.3	16
49	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.	4.4	16
50	How different proxies record precipitation variability over southeastern South America. <i>IOP Conference Series: Earth and Environmental Science</i> , 2010, 9, 012007.	0.3	15
51	Forcing of western tropical South Atlantic sea surface temperature across three glacial-interglacial cycles. <i>Global and Planetary Change</i> , 2020, 188, 103150.	3.5	15
52	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.	3.0	15
53	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.	3.9	14
54	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.	4.0	14

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55	Insolation and Greenhouse Gas Forcing of the South American Monsoon System Across Three Glacial-Interglacial Cycles. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087948.	4.0	14
56	Equatorial Pacific forcing of western Amazonian precipitation during Heinrich Stadial 1. <i>Scientific Reports</i> , 2016, 6, 35866.	3.3	13
57	Brazilian montane rainforest expansion induced by Heinrich Stadial 1 event. <i>Scientific Reports</i> , 2019, 9, 17912.	3.3	13
58	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.	3.0	12
59	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.	4.4	12
60	Thermoluminescence and Optically Stimulated Luminescence Measured in Marine Sediments Indicate Precipitation Changes Over Northeastern Brazil. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1476-1486.	2.9	11
61	Optically Stimulated Luminescence Sensitivity of Quartz for Provenance Analysis. <i>Methods and Protocols</i> , 2020, 3, 6.	2.0	11
62	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.	2.9	11
63	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.	0.6	11
64	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
65	$\delta^{13}C$ decreases in the upper western South Atlantic during Heinrich Stadials 3 and 2. <i>Climate of the Past</i> , 2017, 13, 345-358.	3.4	10
66	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.	1.5	10
67	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.	2.9	9
68	Changes in surface hydrography at the western tropical Atlantic during the Younger Dryas. <i>Global and Planetary Change</i> , 2020, 184, 103047.	3.5	9
69	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.	3.0	9
70	Sea-surface temperature reconstruction of the Quaternary western South Atlantic: New planktonic foraminiferal correlation function. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 425, 67-75.	2.3	8
71	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.	4.0	8
72	South Brazilian Bight mid- to late Holocene hydrographic fluctuations. <i>Geo-Marine Letters</i> , 2020, 40, 1045-1055.	1.1	7

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73	Ocean-atmosphere interactions over the western South Atlantic during Heinrich stadials. <i>Global and Planetary Change</i> , 2020, 195, 103352.	3.5	7
74	Constraining Millennial-Scale Changes in Northern Component Water Ventilation in the Western Tropical South Atlantic. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003876.	2.9	7
75	Role of the Tropical Atlantic for the Interhemispheric Heat Transport During the Last Deglaciation. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004107.	2.9	7
76	Negligible Quantities of Particulate Low-Temperature Pyrogenic Carbon Reach the Atlantic Ocean via the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006990.	4.9	7
77	Modern pollen signatures of Amazonian rivers and new insights for environmental reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 554, 109802.	2.3	7
78	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.	3.0	6
79	Meridional changes in the South Atlantic Subtropical Gyre during Heinrich Stadials. <i>Scientific Reports</i> , 2021, 11, 9419.	3.3	5
80	Late Holocene Precipitation Fluctuations in South America Triggered by Variability of the North Atlantic Overturning Circulation. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004223.	2.9	5
81	Biochronostratigraphy of the western equatorial Atlantic for the last 1.93 Ma. <i>Quaternary International</i> , 2021, 598, 24-37.	1.5	5
82	World Atlas of late Quaternary Foraminiferal Oxygen and Carbon Isotope Ratios. <i>Earth System Science Data</i> , 2022, 14, 2553-2611.	9.9	5
83	South American precipitation dipole forced by interhemispheric temperature gradient. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
84	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.	1.5	4
85	Morphotype and Crust Effects on the Geochemistry of <i>Globorotalia inflata</i> . <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004224.	2.9	4
86	Changes in obliquity drive tree cover shifts in eastern tropical South America. <i>Quaternary Science Reviews</i> , 2022, 279, 107402.	3.0	4
87	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, .	1.8	3
88	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.	1.7	2
89	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.	3.0	1
90	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

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91	Obliquity Influence on Low-Latitude Coastal Precipitation in Eastern Brazil During the Past $\sim 14850$ kyr. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	2.9	1
92	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.	3.3	1
93	Coupled Oceanic and Atmospheric Controls of Deglacial Southeastern South America Precipitation and Western South Atlantic Productivity. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	1
94	Tropical South American Rainfall Response to Dansgaard-Oeschger Stadials of Marine Isotope Stage 5. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	0
95	Holocene palaeoceanographic history of the western South Atlantic. <i>Journal of South American Earth Sciences</i> , 2022, , 103896.	1.4	0