

# Isabel Cacho

## List of Publications by Year in descending order

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105  
papers

8,317  
citations

53751

45  
h-index

48277

88  
g-index

123  
all docs

123  
docs citations

123  
times ranked

6383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quaternary ice ages in the Iberian Peninsula. , 2022, , 13-35.		0
2	Globorotalia truncatulinoides in the Mediterranean Basin during the Middleâ€“Late Holocene: Bio-Chronological and Oceanographic Indicator. Geosciences (Switzerland), 2022, 12, 244.	1.0	3
3	Rapid northern hemisphere ice sheet melting during the penultimate deglaciation. Nature Communications, 2022, 13, .	5.8	13
4	Glacio-eustatic variations and sapropel events as main controls on the Middle Pleistocene-Holocene evolution of the Cabliers Coral Mound Province (W Mediterranean). Quaternary Science Reviews, 2021, 253, 106783.	1.4	12
5	Measurement report: Spatial variability of northern Iberian rainfall stable isotope values â€“ investigating atmospheric controls on daily and monthly timescales. Atmospheric Chemistry and Physics, 2021, 21, 10159-10177.	1.9	10
6	Meltwater flux from northern ice-sheets to the mediterranean during MIS 12. Quaternary Science Reviews, 2021, 268, 107108.	1.4	7
7	Surface hydrographic changes at the western flank of the Sicily Channel associated with the last sapropel. Global and Planetary Change, 2021, 204, 103582.	1.6	3
8	Hydroclimate variability during the last 2700 years based on stalagmite multi-proxy records in the central-western Mediterranean. Quaternary Science Reviews, 2021, 269, 107137.	1.4	11
9	The response of calcareous plankton to the Sapropel S1 interval in North Ionian Sea. Global and Planetary Change, 2021, 205, 103599.	1.6	3
10	Oldest Dryas hydroclimate reorganization in the eastern Iberian Peninsula after the iceberg discharges of Heinrich Event 1. Quaternary Research, 2021, 101, 67-83.	1.0	8
11	Changes in western Mediterranean thermohaline circulation in association with a deglacial Organic Rich Layer formation in the Alboran Sea. Quaternary Science Reviews, 2020, 228, 106075.	1.4	20
12	A new perspective of the Alboran Upwelling System reconstruction during the Marine Isotope Stage 11: A high-resolution coccolithophore record. Quaternary Science Reviews, 2020, 245, 106520.	1.4	13
13	High resolution paleo-environmental changes during the Sapropel 1 in the North Ionian Sea, central Mediterranean. Holocene, 2020, 30, 1504-1515.	0.9	10
14	Rare earth elements and Nd isotopes as tracers of modern ocean circulation in the central Mediterranean Sea. Progress in Oceanography, 2020, 185, 102340.	1.5	9
15	Controls on Primary Productivity in the Eastern Equatorial Pacific, East of the Galapagos Islands, During the Penultimate Deglaciation. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003777.	1.3	3
16	Persistent warm Mediterranean surface waters during the Roman period. Scientific Reports, 2020, 10, 10431.	1.6	36
17	133,000 Years of Sedimentary Record in a Contourite Drift in the Western Alboran Sea: Sediment Sources and Paleocurrent Reconstruction. Geosciences (Switzerland), 2019, 9, 345.	1.0	9
18	Ocean-atmosphere interconnections from the last interglacial to the early glacial: An integration of marine and cave records in the Iberian region. Quaternary Science Reviews, 2019, 226, 106037.	1.4	13

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19	Orbital-to-millennial scale climate variability during Marine Isotope Stages 5 to 3 in northeast Iberia. <i>Quaternary Science Reviews</i> , 2019, 224, 105946.	1.4	16
20	Holocene hydrography evolution in the Alboran Sea: a multi-record and multi-proxy comparison. <i>Climate of the Past</i> , 2019, 15, 927-942.	1.3	31
21	Deep-water formation variability in the north-western Mediterranean Sea during the last 2500 years: A proxy validation with present-day data. <i>Global and Planetary Change</i> , 2019, 177, 56-68.	1.6	13
22	The 4.2‰ ka BP Event in the Mediterranean region: an overview. <i>Climate of the Past</i> , 2019, 15, 555-577.	1.3	129
23	Amplified environmental change: Evidence from land use and climate change in medieval Minorca. <i>Land Degradation and Development</i> , 2018, 29, 1262-1269.	1.8	3
24	Transference of isotopic signal from rainfall to dripwaters and farmed calcite in Mediterranean semi-arid karst. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 243, 66-98.	1.6	23
25	Climatic variability over the last 3000 years in the central - western Mediterranean Sea (Menorca) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> 2018, 169, 179-187.	1.6	31
26	Surface hydrographic and water mass variability in the eastern equatorial Pacific during interglacial-like Marine Isotope Stage 14. <i>Quaternary International</i> , 2017, 436, 45-56.	0.7	4
27	A diatom record of CO <sub>2</sub> decline since the late Miocene. <i>Earth and Planetary Science Letters</i> , 2017, 479, 18-33.	1.8	46
28	Abrupt climate changes during Termination III in Southern Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10047-10052.	3.3	26
29	New speleothem data from Molinos and Ejulve caves reveal Holocene hydrological variability in northeast Iberia. <i>Quaternary Research</i> , 2017, 88, 223-233.	1.0	28
30	Deep-sea benthic response to rapid climatic oscillations of the last glacial cycle in the SE Bay of Biscay. <i>Journal of Sea Research</i> , 2017, 130, 49-72.	0.6	7
31	Alternating Influence of Northern Versus Southern Sourced Water Masses on the Equatorial Pacific Subthermocline During the Past 240 ka. <i>Paleoceanography</i> , 2017, 32, 1256-1274.	3.0	23
32	The Evolution of Deep Ocean Chemistry and Respired Carbon in the Eastern Equatorial Pacific Over the Last Deglaciation. <i>Paleoceanography</i> , 2017, 32, 1371-1385.	3.0	16
33	Sea surface temperature variability in the central-western Mediterranean Sea during the last 2700 years: a multi-proxy and multi-record approach. <i>Climate of the Past</i> , 2016, 12, 849-869.	1.3	46
34	Atmosphere-ocean linkages in the eastern equatorial Pacific over the early Pleistocene. <i>Paleoceanography</i> , 2016, 31, 522-538.	3.0	3
35	Interglacials of the last 800,000 years. <i>Reviews of Geophysics</i> , 2016, 54, 162-219.	9.0	359
36	Marine response to climate changes during the last five millennia in the central Mediterranean Sea. <i>Global and Planetary Change</i> , 2016, 142, 53-72.	1.6	71

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37	A new procedure for the lithic fraction characterization in marine sediments from high productivity areas: Optimization of analytical and statistical procedures. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 127-137.	1.0	6
38	Solar influence and hydrological variability during the Holocene from a speleothem annual record (Molinos Cave, NE Spain). <i>Terra Nova</i> , 2015, 27, 300-311.	0.9	16
39	Subsurface North Atlantic warming as a trigger of rapid cooling events: evidence from the early Pleistocene (MIS 31). <i>Climate of the Past</i> , 2015, 11, 687-696.	1.3	4
40	Atmospheric patterns driving Holocene productivity in the Alboran Sea (Western Mediterranean): A multiproxy approach. <i>Holocene</i> , 2015, 25, 583-595.	0.9	29
41	Hydrological change in Southern Europe responding to increasing North Atlantic overturning during Greenland Stadial 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6568-6572.	3.3	65
42	Increased reservoir ages and poorly ventilated deep waters inferred in the glacial Eastern Equatorial Pacific. <i>Nature Communications</i> , 2015, 6, 7420.	5.8	33
43	Interpretation of orbital scale variability in mid-latitude speleothem $\delta^{18}O$ : Significance of growth rate controlled kinetic fractionation effects. <i>Quaternary Science Reviews</i> , 2015, 127, 215-228.	1.4	26
44	Coccolithophore productivity and surface water dynamics in the Alboran Sea during the last 25 kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 418, 126-140.	1.0	41
45	Late Holocene foraminifera of Blake Ridge diapir: Assemblage variation and stable-isotope record in gas-hydrate bearing sediments. <i>Marine Geology</i> , 2014, 353, 99-107.	0.9	22
46	Climate controls on rainfall isotopes and their effects on cave drip water and speleothem growth: the case of Molinos cave (Teruel, NE Spain). <i>Climate Dynamics</i> , 2014, 43, 221-241.	1.7	44
47	Record of methane emissions from the West Svalbard continental margin during the last 23.500yrs revealed by $\delta^{13}C$ of benthic foraminifera. <i>Global and Planetary Change</i> , 2014, 122, 151-160.	1.6	51
48	Tracking the oxygen isotopic signature from the rainfall to the speleothems in Ortigosa de Cameros caves (La Rioja, Spain). <i>Estudios Geológicos</i> , 2014, 70, e021.	0.7	2
49	A high resolution opal and radiolarian record from the subpolar North Atlantic during the Mid-Pleistocene Transition (1069-779ka): Palaeoceanographic implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 391, 49-70.	1.0	13
50	Palaeoceanographic changes in the North Atlantic during the Mid-Pleistocene Transition (MIS 31) as inferred from planktonic foraminiferal and calcium carbonate records. <i>Boreas</i> , 2013, 42, 140-159.	1.2	16
51	Rapid changes in meridional advection of Southern Ocean intermediate waters to the tropical Pacific during the last 30kyr. <i>Earth and Planetary Science Letters</i> , 2013, 368, 20-32.	1.8	69
52	Paleoclimate Variability in the Mediterranean Region. , 2012, , 1-86.		21
53	Influences of extratropical water masses on equatorial Pacific cold tongue variability during the past 160 ka as revealed by faunal evidence of planktic foraminifers. <i>Journal of Quaternary Science</i> , 2012, 27, 921-931.	1.1	8
54	The Medieval Climate Anomaly in the Iberian Peninsula reconstructed from marine and lake records. <i>Quaternary Science Reviews</i> , 2012, 43, 16-32.	1.4	210

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55	The meridional temperature gradient in the eastern North Atlantic during MIS 11 and its link to the ocean-atmosphere system. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 333-334, 24-39.	1.0	50
56	Impact of suborbital climate changes in the North Atlantic on ice sheet dynamics at the Mid-Pleistocene Transition. <i>Paleoceanography</i> , 2012, 27, .	3.0	30
57	A 500 kyr record of global sea-level oscillations in the Gulf of Lion, Mediterranean Sea: new insights into MIS 3 sea-level variability. <i>Climate of the Past</i> , 2012, 8, 1067-1077.	1.3	30
58	Tracing seafloor methane emissions with benthic foraminifera: Results from the Ana submarine landslide (Eivissa Channel, Western Mediterranean Sea). <i>Marine Geology</i> , 2012, 291-294, 97-112.	0.9	33
59	Contrast sensitivity evaluation with filter contact lenses in patients with retinitis pigmentosa: a pilot study. <i>Journal of Optometry</i> , 2011, 4, 134-139.	0.7	6
60	Ocean circulation, ice sheet growth and interhemispheric coupling of millennial climate variability during the mid-Pleistocene (ca 800-400 ka). <i>Quaternary Science Reviews</i> , 2011, 30, 3234-3247.	1.4	43
61	Eastern Equatorial Pacific productivity and related-CO <sub>2</sub> changes since the last glacial period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5537-5541.	3.3	52
62	Enhanced Mediterranean-Atlantic exchange during Atlantic freshening phases. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	57
63	Contrasting multiproxy reconstructions of surface ocean hydrography in the Agulhas Corridor and implications for the Agulhas Leakage during the last 345,000 years. <i>Paleoceanography</i> , 2010, 25, n/a-n/a.	3.0	70
64	A speleothem record of glacial (25-11.6 kyr BP) rapid climatic changes from northern Iberian Peninsula. <i>Global and Planetary Change</i> , 2010, 71, 218-231.	1.6	152
65	North Atlantic millennial-scale climate variability 910 to 790ka and the role of the equatorial insolation forcing. <i>Earth and Planetary Science Letters</i> , 2010, 293, 28-41.	1.8	45
66	Enhanced carbon pump inferred from relaxation of nutrient limitation in the glacial ocean. <i>Nature</i> , 2009, 459, 1114-1117.	13.7	94
67	Constraints on the magnitude and patterns of ocean cooling at the Last Glacial Maximum. <i>Nature Geoscience</i> , 2009, 2, 127-132.	5.4	517
68	Methane seepages recorded in benthic foraminifera from Miocene seep carbonates, Northern Apennines (Italy). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 284, 271-282.	1.0	36
69	Contrasting intrainterstadial climatic evolution between high and middle North Atlantic latitudes: A close-up of Greenland Interstadials 8 and 12. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	27
70	Position of the Polar Front along the western Iberian margin during key cold episodes of the last 45 ka. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	154
71	Nitrogen isotopic evidence for deglacial changes in nutrient supply in the eastern equatorial Pacific. <i>Paleoceanography</i> , 2009, 24, .	3.0	59
72	Late Pleistocene palaeoproductivity patterns during the last climatic cycle in the Guyana Basin as revealed by calcareous nanoplankton. <i>Earth</i> , 2009, 4, 1-13.	0.8	18

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73	Variations in coccolithophorid production in the Eastern Equatorial Pacific at ODP Site 1240 over the last seven glacial-interglacial cycles. <i>Marine Micropaleontology</i> , 2008, 69, 52-69.	0.5	51
74	A dynamic explanation for the origin of the western Mediterranean organic-rich layers. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	63
75	Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	168
76	Characterization of contaminant phases in foraminifera carbonates by electron microprobe mapping. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	71
77	Evidence of abrupt changes in Western Mediterranean Deep Water circulation during the last 50kyr: A high-resolution marine record from the Balearic Sea. <i>Quaternary International</i> , 2008, 181, 88-104.	0.7	122
78	345,000-year-long multi-proxy records off South Africa document variable contributions of Northern versus Southern Component Water to the Deep South Atlantic. <i>Earth and Planetary Science Letters</i> , 2008, 267, 309-321.	1.8	21
79	El Niño-like variability during glacial terminations and interlatitudinal teleconnections. <i>Paleoceanography</i> , 2008, 23, .	3.0	139
80	Holocene climate variability in the western Mediterranean region from a deepwater sediment record. <i>Paleoceanography</i> , 2007, 22, .	3.0	155
81	Placing late Neanderthals in a climatic context. <i>Nature</i> , 2007, 449, 206-208.	13.7	93
82	Mediterranean outflow strengthening during northern hemisphere coolings: A salt source for the glacial Atlantic?. <i>Earth and Planetary Science Letters</i> , 2006, 245, 39-55.	1.8	231
83	Glacial rapid variability in deep-water temperature and $\delta^{18}O$ from the Western Mediterranean Sea. <i>Quaternary Science Reviews</i> , 2006, 25, 3294-3311.	1.4	110
84	Impact of iceberg melting on Mediterranean thermohaline circulation during Heinrich events. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	180
85	Planktonic foraminiferal Mg/Ca as a proxy for past oceanic temperatures: a methodological overview and data compilation for the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2005, 24, 821-834.	1.4	218
86	Links between marine and atmospheric processes oscillating on a millennial time-scale. A multi-proxy study of the last 50,000yr from the Alboran Sea (Western Mediterranean Sea). <i>Quaternary Science Reviews</i> , 2005, 24, 1623-1636.	1.4	168
87	Identification and removal of Mn-Mg-rich contaminant phases on foraminiferal tests: Implications for Mg/Ca past temperature reconstructions. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	143
88	Millennial-scale variability in the productivity signal from the Alboran Sea record, Western Mediterranean Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 211, 205-219.	1.0	65
89	Abrupt Temperature Changes in the Western Mediterranean over the Past 250,000 Years. <i>Science</i> , 2004, 306, 1762-1765.	6.0	410
90	Ecological thresholds and patterns of millennial-scale climate variability: The response of vegetation in Greece during the last glacial period. <i>Geology</i> , 2004, 32, 109.	2.0	140

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91	Western Mediterranean planktonic foraminifera events and millennial climatic variability during the last 70 kyr. <i>Marine Micropaleontology</i> , 2003, 48, 49-70.	0.5	124
92	Accumulation rates of major constituents of hemipelagic sediments in the deep Alboran Sea: a centennial perspective of sedimentary dynamics. <i>Marine Geology</i> , 2003, 193, 207-233.	0.9	76
93	Apparent long-term cooling of the sea surface in the northeast Atlantic and Mediterranean during the Holocene. <i>Quaternary Science Reviews</i> , 2002, 21, 455-483.	1.4	212
94	Microbial activity at the deep water sediment boundary layer in two highly productive systems in the Western Mediterranean: the Almeria-Oran front and the Malaga upwelling. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2002, 25, 315-324.	0.7	12
95	Response of the Western Mediterranean Sea to rapid climatic variability during the last 50,000 years: a molecular biomarker approach. <i>Journal of Marine Systems</i> , 2002, 33-34, 253-272.	0.9	141
96	Synchronicity between marine and terrestrial responses to millennial scale climatic variability during the last glacial period in the Mediterranean region. <i>Climate Dynamics</i> , 2002, 19, 95-105.	1.7	381
97	Saharan Dust Transport and High-Latitude Glacial Climatic Variability: The Alboran Sea Record. <i>Quaternary Research</i> , 2002, 58, 318-328.	1.0	184
98	Variability of the western Mediterranean Sea surface temperature during the last 25,000 years and its connection with the Northern Hemisphere climatic changes. <i>Paleoceanography</i> , 2001, 16, 40-52.	3.0	430
99	Paleoproductivity variations related to climatic conditions in the Alboran Sea (western) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Palaeoclimatology, Palaeoecology</i> , 2001, 167, 337-357.	1.0	52
100	Response of the pelagic environment to palaeoclimatic changes in the central Mediterranean Sea during the Late Quaternary. <i>Marine Geology</i> , 2001, 178, 39-62.	0.9	93
101	Evidence for enhanced Mediterranean thermohaline circulation during rapid climatic coolings. <i>Earth and Planetary Science Letters</i> , 2000, 183, 417-429.	1.8	261
102	C37 alkenone measurements of sea surface temperature in the Gulf of Lions (NW Mediterranean). <i>Organic Geochemistry</i> , 1999, 30, 557-566.	0.9	45
103	Dansgaard-Oeschger and Heinrich event imprints in Alboran Sea paleotemperatures. <i>Paleoceanography</i> , 1999, 14, 698-705.	3.0	527
104	Very high-resolution seismic definition of glacial and postglacial sediment bodies in the continental shelves of the northern Trinity Peninsula region, Antarctica. <i>Annals of Glaciology</i> , 1998, 27, 260-264.	2.8	2
105	Internal structure and seismic facies of the deep-water sediment drifts off northern Graham Land, Antarctic Peninsula: results from a very high-resolution survey. <i>Annals of Glaciology</i> , 1998, 27, 265-267.	2.8	3