

# Francisco J Sierro

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/11588906/francisco-j-sierro-publications-by-year.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69  
papers

3,759  
citations

29  
h-index

61  
g-index

70  
ext. papers

4,202  
ext. citations

4.1  
avg, IF

4.87  
L-index

#	Paper	IF	Citations
69	Impact of the Mediterranean-Atlantic connectivity and the late Miocene carbon shift on deep-sea communities in the Western Alboran Basin. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2022</b> , 589, 110841	2.9	4
68	Paleocirculation and paleoclimate conditions in the western Mediterranean basins over the last deglaciation: New insights from sediment composition variations. <i>Global and Planetary Change</i> , <b>2022</b> , 209, 103732	4.2	0
67	Trace fossil characterization during Termination V and MIS 11 at the western Mediterranean: Connection between surface conditions and deep environment. <i>Marine Geology</i> , <b>2022</b> , 446, 106774	3.3	
66	Late Miocene evolution of the eastern Deep Algarve basin: Interaction of bottom currents and gravitational processes in a foredeep setting. <i>Marine and Petroleum Geology</i> , <b>2022</b> , 105695	4.7	1
65	An exceptional record of millennial-scale climate variability in the southern Iberian Margin during MIS 6: Impact on the formation of sapropel S6. <i>Quaternary Science Reviews</i> , <b>2022</b> , 286, 107527	3.9	
64	Messinian West Alboran Sea record in the proximity of Gibraltar: Early signs of Atlantic-Mediterranean gateway restriction. <i>Marine Geology</i> , <b>2021</b> , 434, 106430	3.3	7
63	Latest Miocene restriction of the Mediterranean Outflow Water: a perspective from the Gulf of Cádiz. <i>Geo-Marine Letters</i> , <b>2021</b> , 41, 1	1.9	3
62	Tide-dominated deltas responding to high-frequency sea-level changes, Pre-Messinian Rifian Corridor, Morocco: Discussion. <i>Journal of Sedimentary Research</i> , <b>2021</b> , 91, 876-879	2.1	1
61	Meltwater flux from northern ice-sheets to the mediterranean during MIS 12. <i>Quaternary Science Reviews</i> , <b>2021</b> , 268, 107108	3.9	1
60	Late Miocene contourite depositional system of the Gulf of Cádiz: The sedimentary signature of the paleo-Mediterranean Outflow Water. <i>Marine Geology</i> , <b>2021</b> , 442, 106605	3.3	3
59	Coccolithophore biodiversity controls carbonate export in the Southern Ocean. <i>Biogeosciences</i> , <b>2020</b> , 17, 245-263	4.6	22
58	Changes in western Mediterranean thermohaline circulation in association with a deglacial Organic Rich Layer formation in the Alboran Sea. <i>Quaternary Science Reviews</i> , <b>2020</b> , 228, 106075	3.9	16
57	A new perspective of the Alboran Upwelling System reconstruction during the Marine Isotope Stage 11: A high-resolution coccolithophore record. <i>Quaternary Science Reviews</i> , <b>2020</b> , 245, 106520	3.9	5
56	Late Miocene contourite channel system reveals intermittent overflow behavior. <i>Geology</i> , <b>2020</b> , 48, 1194-1199	4.5	26
55	Mediterranean Overflow Over the Last 250 kyr: Freshwater Forcing From the Tropics to the Ice Sheets. <i>Paleoceanography and Paleoclimatology</i> , <b>2020</b> , 35, e2020PA003931	3.3	22
54	Alpine Foreland Basins. <i>Regional Geology Reviews</i> , <b>2019</b> , 7-59	2.5	5
53	Early Pliocene climatic optimum, cooling and early glaciation deduced by terrestrial and marine environmental changes in SW Spain. <i>Global and Planetary Change</i> , <b>2019</b> , 180, 89-99	4.2	9

52	Mediterranean isolation preconditioning the Earth System for late Miocene climate cooling. <i>Scientific Reports</i> , <b>2019</b> , 9, 3795	4.9	23
51	Deciphering latitudinal shifts in coccolith accumulation in the eastern tropical Pacific Ocean through the Pleistocene. <i>Marine Micropaleontology</i> , <b>2019</b> , 152, 101739	1.7	3
50	Ocean-atmosphere interconnections from the last interglacial to the early glacial: An integration of marine and cave records in the Iberian region. <i>Quaternary Science Reviews</i> , <b>2019</b> , 226, 106037	3.9	8
49	First record of middle Miocene marine diatoms from the Colombian Pacific (NW South America) and their paleoceanographic significance. <i>Marine Micropaleontology</i> , <b>2018</b> , 140, 17-32	1.7	1
48	New age constraints on the western Betic intramontane basins: A late Tortonian closure of the Guadalhorce Corridor?. <i>Terra Nova</i> , <b>2018</b> , 30, 325-332	3	12
47	Origin and implications of orbital-induced sedimentary cyclicity in Pliocene well-logs of the Western Mediterranean. <i>Marine Geology</i> , <b>2018</b> , 403, 150-164	3.3	8
46	Imprint of Messinian Salinity Crisis events on the Spanish Atlantic margin. <i>Newsletters on Stratigraphy</i> , <b>2018</b> , 51, 93-115	2.9	11
45	Change in the North Atlantic circulation associated with the mid-Pleistocene transition. <i>Climate of the Past</i> , <b>2018</b> , 14, 1639-1651	3.9	6
44	The Gibraltar Corridor: Watergate of the Messinian Salinity Crisis. <i>Marine Geology</i> , <b>2018</b> , 403, 238-246	3.3	65
43	Coccolithophore populations and their contribution to carbonate export during an annual cycle in the Australian sector of the Antarctic zone. <i>Biogeosciences</i> , <b>2018</b> , 15, 1843-1862	4.6	12
42	Benthic foraminifera-based reconstruction of the first Mediterranean-Atlantic exchange in the early Pliocene Gulf of Cadiz. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2017</b> , 472, 93-107	2.9	13
41	Thick-skinned tectonics closing the Rifian Corridor. <i>Tectonophysics</i> , <b>2017</b> , 710-711, 249-265	3.1	37
40	Miocene to Pleistocene osmium isotopic records of the Mediterranean sediments. <i>Paleoceanography</i> , <b>2016</b> , 31, 148-166		10
39	Quaternary chronostratigraphic framework and sedimentary processes for the Gulf of Cadiz and Portuguese Contourite Depositional Systems derived from Natural Gamma Ray records. <i>Marine Geology</i> , <b>2016</b> , 377, 40-57	3.3	26
38	Low-Latitude Miocene Calcareous and Siliceous Microfossil Biostratigraphy from NW South America: Ladrilleros-Juanchaco Section, Colombian Pacific. <i>Ameghiniana</i> , <b>2016</b> , 53, 629-644	0.9	3
37	Synchronous onset of the Messinian evaporite precipitation: First Mediterranean offshore evidence. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 427, 112-124	5.3	30
36	Evolution of the Late Miocene Mediterranean-Atlantic gateways and their impact on regional and global environmental change. <i>Earth-Science Reviews</i> , <b>2015</b> , 150, 365-392	10.2	136
35	Response of macrobenthic and foraminifer communities to changes in deep-sea environmental conditions from Marine Isotope Stage (MIS) 12 to 11 at the Binnacle Site. <i>Global and Planetary Change</i> , <b>2015</b> , 133, 176-187	4.2	30

34	Severe cooling episodes at the onset of deglaciations on the Southwestern Iberian margin from MIS 21 to 13 (IODP site U1385). <i>Global and Planetary Change</i> , <b>2015</b> , 135, 159-169	4.2	14
33	Atmospheric patterns driving Holocene productivity in the Alboran Sea (Western Mediterranean): A multiproxy approach. <i>Holocene</i> , <b>2015</b> , 25, 583-595	2.6	24
32	The use of circularly polarized light for biometry, identification and estimation of mass of coccoliths. <i>Marine Micropaleontology</i> , <b>2014</b> , 113, 44-55	1.7	38
31	The Messinian Salinity Crisis: Past and future of a great challenge for marine sciences. <i>Marine Geology</i> , <b>2014</b> , 352, 25-58	3.3	328
30	Paleoceanography. Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , <b>2014</b> , 344, 1244-50	3.3	119
29	High-resolution productivity record and reconstruction of ENSO dynamics during the Holocene in the Eastern Equatorial Pacific using coccolithophores. <i>Holocene</i> , <b>2014</b> , 24, 176-187	2.6	11
28	Paleomagnetic and paleoenvironmental implications of magnetofossil occurrences in late Miocene marine sediments from the Guadalquivir Basin, SW Spain. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 71	5.7	21
27	Diatom fluxes in the NW Mediterranean: evidence from a 12-year sediment trap record and surficial sediments. <i>Journal of Plankton Research</i> , <b>2013</b> , 35, 1109-1125	2.2	32
26	Age refinement of the Messinian salinity crisis onset in the Mediterranean. <i>Terra Nova</i> , <b>2013</b> , 25, 315-323	3	184
25	Monitoring fluctuations of the Subtropical Front in the Tasman Sea between 3.45 and 2.45 Ma (ODP site 1172). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2012</b> , 313-314, 215-224	2.9	9
24	Seasonal and interannual changes of planktic foraminiferal fluxes in the Gulf of Lions (NW Mediterranean) and their implications for paleoceanographic studies: Two 12-year sediment trap records. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2012</b> , 66, 26-40	2.5	48
23	The "white ocean" hypothesis: a late pleistocene southern ocean governed by coccolithophores and driven by phosphorus. <i>Frontiers in Microbiology</i> , <b>2012</b> , 3, 233	5.7	22
22	Arctic front shifts in the subpolar North Atlantic during the Mid-Pleistocene (800-400ka) and their implications for ocean circulation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 311, 268-280	2.9	33
21	Distribution of large <i>Emiliana huxleyi</i> in the Central and Northeast Atlantic as a tracer of surface ocean dynamics during the last 25,000 years. <i>Marine Micropaleontology</i> , <b>2010</b> , 76, 53-66	1.7	29
20	Seasonal to interannual variability and geographic distribution of the silicoflagellate fluxes in the Western Mediterranean. <i>Marine Micropaleontology</i> , <b>2010</b> , 77, 46-57	1.7	34
19	Phase relationship between sea level and abrupt climate change. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 2867-2881	3.9	64
18	Sea surface distribution of coccolithophores in the eastern Pacific sector of the Southern Ocean (Bellingshausen and Amundsen Seas) during the late austral summer of 2001. <i>Marine Micropaleontology</i> , <b>2008</b> , 69, 16-25	1.7	36
17	Temperature and stable isotope variations in different water masses from the Alboran Sea (Western Mediterranean) between 250 and 150 ka. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2008</b> , 9, n/a-n/a	2.6	3

16	Glacial rapid variability in deep-water temperature and $\delta^{18}O$ from the Western Mediterranean Sea. <i>Quaternary Science Reviews</i> , <b>2006</b> , 25, 3294-3311	3.9	99
15	Links between marine and atmospheric processes oscillating on a millennial time-scale. A multi-proxy study of the last 50,000 yr from the Alboran Sea (Western Mediterranean Sea). <i>Quaternary Science Reviews</i> , <b>2005</b> , 24, 1623-1636	3.9	154
14	Surface water dynamics and phytoplankton communities during deposition of cyclic late Messinian sapropel sequences in the western Mediterranean. <i>Marine Micropaleontology</i> , <b>2005</b> , 56, 50-79	1.7	57
13	Ocean surface water response to short-term climate changes revealed by coccolithophores from the Gulf of Cadiz (NE Atlantic) and Alboran Sea (W Mediterranean). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2004</b> , 205, 317-336	2.9	124
12	Abrupt temperature changes in the Western Mediterranean over the past 250,000 years. <i>Science</i> , <b>2004</b> , 306, 1762-5	33.3	368
11	Calcareous plankton dissolution pattern and coccolithophore assemblages during the last 600 kyr at ODP Site 1089 (Cape Basin, South Atlantic): paleoceanographic implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 196, 409-426	2.9	66
10	Biometry of <i>Emiliania huxleyi</i> and its biostratigraphic significance in the Eastern North Atlantic Ocean and Western Mediterranean Sea in the last 20 000 years. <i>Marine Micropaleontology</i> , <b>2002</b> , 46, 247-263	1.7	49
9	Correlation of Late Miocene to Early Pliocene sequences between the Mediterranean and North Atlantic. <i>Paleoceanography</i> , <b>2001</b> , 16, 164-178		199
8	Depositional history of estuarine infill during the last postglacial transgression (Gulf of Cadiz, Southern Spain). <i>Marine Geology</i> , <b>2000</b> , 162, 381-404	3.3	159
7	Sonic and gamma-ray astrochronology: Cycle to cycle calibration of Atlantic climatic records to Mediterranean sapropels and astronomical oscillations. <i>Geology</i> , <b>2000</b> , 28, 695	5	39
6	Evidence for enhanced Mediterranean thermohaline circulation during rapid climatic coolings. <i>Earth and Planetary Science Letters</i> , <b>2000</b> , 183, 417-429	5.3	234
5	Dansgaard-Oeschger and Heinrich event imprints in Alboran Sea paleotemperatures. <i>Paleoceanography</i> , <b>1999</b> , 14, 698-705		453
4	Global and regional factors controlling changes of coastlines in Southern Iberia (Spain) during the holocene. <i>Quaternary Science Reviews</i> , <b>1996</b> , 15, 773-780	3.9	84
3	Late neogene molluscan faunas from the Northeast Atlantic (Portugal, Spain, Morocco). <i>Geobios</i> , <b>1995</b> , 28, 459-471	1.5	14
2	The replacement of the <i>Globorotalia menardii</i> group by the <i>Globorotalia miotumida</i> group: An aid to recognizing the Tortonian-Messinian boundary in the Mediterranean and adjacent Atlantic. <i>Marine Micropaleontology</i> , <b>1985</b> , 9, 525-535	1.7	50
1	Thermal impact of Heinrich stadials in cave temperature and speleothem oxygen isotope records. <i>Quaternary Research</i> , 1-14	1.9	2