

# Francisco Sierro

## List of Publications by Year in Descending Order

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

182  
papers

9,723  
citations

50  
h-index

94  
g-index

209  
ext. papers

10,712  
ext. citations

4  
avg, IF

5.79  
L-index

#	Paper	IF	Citations
182	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
181	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
180	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	
179	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
178	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	
177	Influence of environmental variability and <i>Emiliana huxleyi</i> ecotypes on alkenone-derived temperature reconstructions in the subantarctic Southern Ocean.. <i>Science of the Total Environment</i> , <b>2021</b> , 152474	10.2	1
176	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
175	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
174	Control Mechanisms of Primary Productivity Revealed by Calcareous Nannoplankton From Marine Isotope Stages 12 to 9 at the Shackleton Site (IODP Site U1385). <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2021PA004246	3.3	2
173	Muted cooling and drying of NW Mediterranean in response to the strongest last glacial North American ice surges. <i>Bulletin of the Geological Society of America</i> , <b>2021</b> , 133, 451-460	3.9	7
172	Contourite characterization and its discrimination from other deep-water deposits in the Gulf of Cadiz contourite depositional system. <i>Sedimentology</i> , <b>2021</b> , 68, 987-1027	3.3	14
171	Carbon Isotopic Fractionation of Alkenones and Gephyrocapsa Coccoliths Over the Late Quaternary (Marine Isotope Stages 12B) Glacial-Interglacial Cycles at the Western Tropical Atlantic. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2020PA004175	3.3	0
170	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
169	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
168	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
167	Full annual monitoring of Subantarctic <i>Emiliana huxleyi</i> populations reveals highly calcified morphotypes in high-CO winter conditions. <i>Scientific Reports</i> , <b>2020</b> , 10, 2594	4.9	13
166	Coccolithophore biodiversity controls carbonate export in the Southern Ocean. <i>Biogeosciences</i> , <b>2020</b> , 17, 245-263	4.6	22

165	Repeated Near-Collapse of the Pliocene Sea Surface Temperature Gradient in the North Atlantic. <i>Paleoceanography and Paleoclimatology</i> , <b>2020</b> , 35, e2020PA003905	3.3	5
164	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
163	Limited variability in the phytoplankton <i>Emiliania huxleyi</i> since the pre-industrial era in the Subantarctic Southern Ocean. <i>Anthropocene</i> , <b>2020</b> , 31, 100254	3.9	3
162	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
161	Late Miocene contourite channel system reveals intermittent overflow behavior. <i>Geology</i> , <b>2020</b> , 48, 1194-1199	4.5	26
160	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
159	Mediterranean Neogene planktonic foraminifer biozonation and biochronology. <i>Earth-Science Reviews</i> , <b>2019</b> , 196, 102869	10.2	41
158	Alpine Foreland Basins. <i>Regional Geology Reviews</i> , <b>2019</b> , 7-59	2.5	5
157	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
156	Reconstruction of surface water dynamics in the North Atlantic during the Mid-Pleistocene (~540-400 ka), as inferred from coccolithophores and planktonic foraminifera. <i>Marine Micropaleontology</i> , <b>2019</b> , 152, 101730	1.7	2
155	Mediterranean isolation preconditioning the Earth System for late Miocene climate cooling. <i>Scientific Reports</i> , <b>2019</b> , 9, 3795	4.9	23
154	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
153	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
152	Palaeogeographic evolution of the late Miocene Rifian Corridor (Morocco): Reconstructions from surface and subsurface data. <i>Earth-Science Reviews</i> , <b>2018</b> , 180, 37-59	10.2	37
151	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
150	Climate-driven changes in sedimentation rate influence phosphorus burial along continental margins of the northwestern Mediterranean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 500, 106-116	2.9	2
149	New age constraints on the western Betic intramontane basins: A late Tortonian closure of the Guadalorce Corridor?. <i>Terra Nova</i> , <b>2018</b> , 30, 325-332	3	12
148	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

147	Miocene biostratigraphy and paleoecology from dinoflagellates, benthic foraminifera and calcareous nannofossils on the Colombian Pacific coast. <i>Marine Micropaleontology</i> , <b>2018</b> , 141, 42-54	1.7	7
146	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
145	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
144	Magnetobiochronology of Lower Pliocene marine sediments from the lower Guadalquivir Basin: Insights into the tectonic evolution of the Strait of Gibraltar area. <i>Bulletin of the Geological Society of America</i> , <b>2018</b> ,	3.9	4
143	Data on lithofacies, sedimentology and palaeontology of South Rifian Corridor sections (Morocco). <i>Data in Brief</i> , <b>2018</b> , 19, 712-736	1.2	1
142	The Gibraltar Corridor: Watergate of the Messinian Salinity Crisis. <i>Marine Geology</i> , <b>2018</b> , 403, 238-246	3.3	65
141	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
140	Isotope stratigraphy ( $^{87}\text{Sr}/^{86}\text{Sr}$ , $\delta^{18}\text{O}$ , $\delta^{13}\text{C}$ ) of the Sorbas basin (Betic Cordillera, Spain): Paleoceanographic evolution across the onset of the Messinian salinity crisis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2017</b> , 469, 60-73	2.9	23
139	Svalbard ice-sheet decay after the Last Glacial Maximum: New insights from micropalaeontological and organic biomarker paleoceanographical reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2017</b> , 465, 225-236	2.9	16
138	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
137	Sandy contourite drift in the late Miocene Rifian Corridor (Morocco): Reconstruction of depositional environments in a foreland-basin seaway. <i>Sedimentary Geology</i> , <b>2017</b> , 355, 31-57	2.8	50
136	Age refinement and basin evolution of the North Rifian Corridor (Morocco): No evidence for a marine connection during the Messinian Salinity Crisis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2017</b> , 485, 416-432	2.9	19
135	Thick-skinned tectonics closing the Rifian Corridor. <i>Tectonophysics</i> , <b>2017</b> , 710-711, 249-265	3.1	37
134	Evolution of the gulf of Cadiz margin and southwest Portugal contourite depositional system: Tectonic, sedimentary and paleoceanographic implications from IODP expedition 339. <i>Marine Geology</i> , <b>2016</b> , 377, 7-39	3.3	65
133	Miocene to Pleistocene osmium isotopic records of the Mediterranean sediments. <i>Paleoceanography</i> , <b>2016</b> , 31, 148-166		10
132	Origin of the large Pliocene and Pleistocene debris flows on the Algarve margin. <i>Marine Geology</i> , <b>2016</b> , 377, 58-76	3.3	14
131	Anomalous SST warming during MIS 13 in the Gulf of Lions (northwestern Mediterranean Sea). <i>Organic Geochemistry</i> , <b>2016</b> , 92, 16-23	3.1	6
130	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

129	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
128	The impact of ice-sheet dynamics in western Mediterranean environmental conditions during Terminations. An approach based on terrestrial long chain n-alkanes deposited in the upper slope of the Gulf of Lions. <i>Chemical Geology</i> , <b>2016</b> , 430, 21-33	4.2	10
127	Evidence of early bottom water current flow after the Messinian Salinity Crisis in the Gulf of Cadiz. <i>Marine Geology</i> , <b>2016</b> , 380, 315-329	3.3	15
126	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
125	Probing connections between deep earth and surface processes in a land-locked ocean basin transformed into a giant saline basin: The Mediterranean GOLD project#. <i>Marine and Petroleum Geology</i> , <b>2015</b> , 66, 6-17	4.7	3
124	Persistent monsoonal forcing of Mediterranean Outflow Water dynamics during the late Pleistocene. <i>Geology</i> , <b>2015</b> , 43, 951-954	5	53
123	Astronomical tuning for the upper Messinian Spanish Atlantic margin: Disentangling basin evolution, climate cyclicity and MOW. <i>Global and Planetary Change</i> , <b>2015</b> , 135, 89-103	4.2	14
122	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
121	Response of macrobenthic and foraminifer communities to changes in deep-sea environmental conditions from Marine Isotope Stage (MIS) 12 to 11 at the Shackleton Site. <i>Global and Planetary Change</i> , <b>2015</b> , 133, 176-187	4.2	30
120	Coccolithophore productivity and surface water dynamics in the Alboran Sea during the last 25kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2015</b> , 418, 126-140	2.9	31
119	Messinian Salinity Crisis deposits widespread over the Balearic Promontory: Insights from new high-resolution seismic data. <i>Marine and Petroleum Geology</i> , <b>2015</b> , 66, 41-54	4.7	25
118	The response of SST to insolation and ice sheet variability from MIS 3 to MIS 11 in the northwestern Mediterranean Sea (Gulf of Lions). <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 10,366	4.9	15
117	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. <i>Global and Planetary Change</i> , <b>2015</b> , 133, 49-64	4.2	67
116	Subsurface North Atlantic warming as a trigger of rapid cooling events: evidence from the early Pleistocene (MIS 31-19). <i>Climate of the Past</i> , <b>2015</b> , 11, 687-696	3.9	2
115	Development of coccolithophore-based transfer functions in the western Mediterranean sea: a sea surface salinity reconstruction for the last 15.5 kyr. <i>Climate of the Past</i> , <b>2015</b> , 11, 1635-1651	3.9	6
114	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
113	Virtual 3D tour of the Neogene palaeontological heritage of Huelva (Guadalquivir Basin, Spain). <i>Environmental Earth Sciences</i> , <b>2015</b> , 73, 4609-4618	2.9	26
112	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

111	Parallelisms between sea surface temperature changes in the western tropical Atlantic (Guiana Basin) and high latitude climate signals over the last 140 000 years. <i>Climate of the Past</i> , <b>2015</b> , 11, 1297-1311	3.9	13
110	Stratigraphic Transect of Northwestern Colombia: a Key to Understanding the Origin of the Panamanian Isthmus. <i>Springer Geology</i> , <b>2014</b> , 563-567	0.8	
109	Contourite processes associated with the Mediterranean Outflow Water after its exit from the Strait of Gibraltar: Global and conceptual implications. <i>Geology</i> , <b>2014</b> , 42, 227-230	5	98
108	Sedimentation rates from calcareous nannofossil and planktonic foraminifera biostratigraphy in the Andaman Sea, northern Bay of Bengal, and eastern Arabian Sea. <i>Marine and Petroleum Geology</i> , <b>2014</b> , 58, 425-437	4.7	33
107	Monsoonal dynamics and evolution of the primary productivity in the eastern Arabian Sea over the past 30ka. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2014</b> , 411, 249-256	2.9	17
106	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
105	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
104	Paleoceanography. Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , <b>2014</b> , 344, 1244-5033.3	33.3	119
103	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
102	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
101	Quantitative estimation of bioturbation based on digital image analysis. <i>Marine Geology</i> , <b>2014</b> , 349, 55-69.3	69.3	51
100	Digital image treatment applied to ichnological analysis of marine core sediments. <i>Facies</i> , <b>2014</b> , 60, 39-44.8	44.8	53
99	Postglacial sedimentary processes on the Storfjorden and Kveithola trough mouth fans: Significance of extreme glacial marine sedimentation. <i>Global and Planetary Change</i> , <b>2013</b> , 111, 309-326	4.2	66
98	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
97	Modern sea surface productivity and temperature estimations off Chile as detected by coccolith accumulation rates. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2013</b> , 392, 534-545	2.9	10
96	A high resolution opal and radiolarian record from the subpolar North Atlantic during the Mid-Pleistocene Transition (106979ka): Palaeoceanographic implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2013</b> , 391, 49-70	2.9	11
95	Palaeoceanographic changes in the North Atlantic during the Mid-Pleistocene Transition (MIS 3119) as inferred from planktonic foraminiferal and calcium carbonate records. <i>Boreas</i> , <b>2013</b> , 42, 140-159.4	159.4	13
94	IODP Expedition 339 in the Gulf of Cadiz and off West Iberia: decoding the environmental significance of the Mediterranean outflow water and its global influence. <i>Scientific Drilling</i> , <b>2013</b> , 16, 1-11		41

93	The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. <i>Scientific Drilling</i> , <b>2013</b> , 16, 13-19		33
92	Age refinement of the Messinian salinity crisis onset in the Mediterranean. <i>Terra Nova</i> , <b>2013</b> , 25, 315-323		184
91	Changes in planktic and benthic foraminifer assemblages in the Gulf of Lions, off south France: Response to climate and sea level change from MIS 6 to MIS 11. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2013</b> , 14, 1258-1276	3.6	10
90	A Middle Pleistocene Northeast Atlantic coccolithophore record: Paleoclimatology and paleoproductivity aspects. <i>Marine Micropaleontology</i> , <b>2012</b> , 90-91, 44-59	1.7	45
89	Paleoclimate Variability in the Mediterranean Region <b>2012</b> , 1-86		15
88	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
87	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
86	Impact of suborbital climate changes in the North Atlantic on ice sheet dynamics at the Mid-Pleistocene Transition. <i>Paleoceanography</i> , <b>2012</b> , 27, n/a-n/a		24
85	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
84	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> , <b>2012</b> , 8, 1067-1077	3.9	28
83	Coccolithophore estimates of paleotemperature and paleoproductivity changes in the southeast Pacific over the past ~27 kyr. <i>Paleoceanography</i> , <b>2011</b> , 26,		25
82	Impact of climate and sea level changes on the ventilation of intermediate water and benthic foraminifer assemblages in the Gulf of Lions, off South France, during MIS 6 and 7. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 309, 215-228	2.9	14
81	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
80	Ocean circulation, ice sheet growth and interhemispheric coupling of millennial climate variability during the mid-Pleistocene (ca 800-400ka). <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 3234-3247	3.9	33
79	Microplankton response to environmental conditions in the Alboran Sea (Western Mediterranean): One year sediment trap record. <i>Marine Micropaleontology</i> , <b>2011</b> , 78, 14-24	1.7	36
78	Enhanced Mediterranean-Atlantic exchange during Atlantic freshening phases. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2010</b> , 11, n/a-n/a	3.6	55
77	The coccolithophore record for the last 11 000years in the Gulf of California. <i>Journal of Marine Systems</i> , <b>2010</b> , 80, 184-190	2.7	3
76	Distribution of large <i>Emiliania huxleyi</i> in the Central and Northeast Atlantic as a tracer of surface ocean dynamics during the last 25,000years. <i>Marine Micropaleontology</i> , <b>2010</b> , 76, 53-66	1.7	29

75	Response of ostracods to abrupt climate changes in the Western Mediterranean (Gulf of Lions) during the last 30kyr. <i>Marine Micropaleontology</i> , <b>2010</b> , 77, 1-14	1.7	15
74	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
73	Long-term upwelling evolution in tropical and equatorial Pacific during the last 800 kyr as revealed by coccolithophore assemblages. <i>Geobios</i> , <b>2010</b> , 43, 123-130	1.5	6
72	Coccolith distribution patterns in surface sediments of Equatorial and Southeastern Pacific Ocean. <i>Geobios</i> , <b>2010</b> , 43, 131-149	1.5	31
71	Overpressure within upper continental slope sediments from CPTU data, Gulf of Lion, NW Mediterranean Sea. <i>International Journal of Earth Sciences</i> , <b>2009</b> , 98, 751-768	2.2	20
70	Phase relationship between sea level and abrupt climate change. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 2867-2881	3.9	64
69	Late Pleistocene palaeoproductivity patterns during the last climatic cycle in the Guyana Basin as revealed by calcareous nannoplankton. <i>EEarth</i> , <b>2009</b> , 4, 1-13		16
68	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
67	Variations in coccolithophorid production in the Eastern Equatorial Pacific at ODP Site 1240 over the last seven glacial/interglacial cycles. <i>Marine Micropaleontology</i> , <b>2008</b> , 69, 52-69	1.7	47
66	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	3.6	3
65	A dynamic explanation for the origin of the western Mediterranean organic-rich layers. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2008</b> , 9, n/a-n/a	3.6	55
64	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> , <b>2008</b> , 181, 88-104		106
63	Controls of shell calcification in planktonic foraminifers. <i>Quaternary Science Reviews</i> , <b>2008</b> , 27, 956-961	3.9	35
62	Holocene climate variability in the western Mediterranean region from a deepwater sediment record. <i>Paleoceanography</i> , <b>2007</b> , 22,		130
61	Pronounced mid-Pleistocene southward shift of the Polar Front in the Atlantic sector of the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2007</b> , 54, 2432-2442	2.3	23
60	Tectonic control for evaporite formation in the Eastern Betics (Tortonian; Spain). <i>Sedimentary Geology</i> , <b>2006</b> , 188-189, 155-170	2.8	42
59	Messinian astrochronology of the Melilla Basin: Stepwise restriction of the Mediterranean-Atlantic connection through Morocco. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2006</b> , 238, 15-31	2.9	55
58	North Atlantic paleoceanography: The last five million years. <i>Eos</i> , <b>2006</b> , 87, 129	1.5	13



57	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
56	Shoreface migrations at the shelf edge and sea-level changes around the Last Glacial Maximum (Gulf of Lions, NW Mediterranean). <i>Marine Geology</i> , <b>2006</b> , 234, 21-42	3.3	75
55	Evolution of depositional environments after the end of Messinian Salinity Crisis in Nijar basin (SE Betic Cordillera). <i>Sedimentary Geology</i> , <b>2006</b> , 188-189, 279-295	2.8	31
54	Holocene neoglacial events in the Bransfield Strait (Antarctica). Palaeocoenographic and paleoclimatic significance. <i>Scientia Marina</i> , <b>2006</b> , 70, 607-619	1.8	6
53	Impact of iceberg melting on Mediterranean thermohaline circulation during Heinrich events. <i>Paleoceanography</i> , <b>2005</b> , 20, n/a-n/a		159
52	Palynology of the northwestern Mediterranean shelf (Gulf of Lions): First vegetational record for the last climatic cycle. <i>Marine and Petroleum Geology</i> , <b>2005</b> , 22, 845-863	4.7	17
51	Millennial surface water dynamics in the R� de Vigo during the last 3000 years as revealed by coccoliths and molecular biomarkers. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2005</b> , 218, 1-13	2.9	41
50	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
49	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
48	The Impact of Quaternary Global Changes on Strata Formation: Exploration of the Shelf Edge in the Northwest Mediterranean Sea. <i>Oceanography</i> , <b>2004</b> , 17, 92-103	2.3	39
47	Rapid reconstruction of paleoenvironmental features using a new multiplatform program. <i>Micropaleontology</i> , <b>2004</b> , 50, 391-395	2	16
46	Planktonic response to main oceanographic changes in the Alboran Sea (Western Mediterranean) as documented in sediment traps and surface sediments. <i>Marine Micropaleontology</i> , <b>2004</b> , 53, 423-445	1.7	82
45	Paleoclimatic variations in foraminifer assemblages from the Alboran Sea (Western Mediterranean) during the last 150 ka in ODP Site 977. <i>Marine Geology</i> , <b>2004</b> , 212, 113-131	3.3	45
44	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
43	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
42	The Mid-Brunhes Transition in ODP Sites 1089 and 1090 (Subantarctic South Atlantic). <i>Geophysical Monograph Series</i> , <b>2003</b> , 113-129	1.1	10
41	Western Mediterranean planktonic foraminifera events and millennial climatic variability during the last 70 kyr. <i>Marine Micropaleontology</i> , <b>2003</b> , 48, 49-70	1.7	115
40	Orbitally-controlled oscillations in planktic communities and cyclic changes in western Mediterranean hydrography during the Messinian. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 190, 289-316	2.9	80

39	Western versus eastern Mediterranean paleoceanographic response to astronomical forcing: a high-resolution microplankton study of precession-controlled sedimentary cycles during the Messinian. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 190, 317-334	2.9	36
38	A sediment-nutrient-oxygen feedback responsible for productivity variations in Late Miocene sapropel sequences of the western Mediterranean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2003</b> , 190, 335-348	2.9	46
37	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
36	Biometry of <i>Emiliana 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
35	Synchronicity between marine and terrestrial responses to millennial scale climatic variability during the last glacial period in the Mediterranean region. <i>Climate Dynamics</i> , <b>2002</b> , 19, 95-105	4.2	354
34	Bioaccumulation record and paleoclimatic significance in the Western Bransfield Strait. The last 2000 years. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2002</b> , 49, 935-950	2.3	28
33	Calcareous plankton stratigraphy around the Pliocene-Etitanin-asteroid impact area (SE Pacific): documentation and application for geological and paleoceanographic reconstruction. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2002</b> , 49, 1011-1027	2.3	3
32	Changes in sedimentation trends in SW Iberia Holocene estuaries (Spain). <i>Quaternary International</i> , <b>2002</b> , 93-94, 171-176	2	58
31	Astrochronology for the Messinian Sorbas basin (SE Spain) and orbital (precessional) forcing for evaporite cyclicity. <i>Sedimentary Geology</i> , <b>2001</b> , 140, 43-60	2.8	162
30	Correlation of Late Miocene to Early Pliocene sequences between the Mediterranean and North Atlantic. <i>Paleoceanography</i> , <b>2001</b> , 16, 164-178		199
29	Late Pleistocene evolution of the ocean-carbonate system. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 192, 109-124	5.3	115
28	Paleoproductivity variations related to climatic conditions in the Alboran Sea (western Mediterranean) during the last glacial-interglacial transition: the diatom record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2001</b> , 167, 337-357	2.9	47
27	The Abad composite (SE Spain): a Messinian reference section for the Mediterranean and the APTS. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2001</b> , 168, 141-169	2.9	148
26	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
25	Late Miocene Mediterranean desiccation: topography and significance of the Salinity Crisis-erosion surface on-land in southeast Spain: Comment. <i>Sedimentary Geology</i> , <b>2000</b> , 133, 167-174	2.8	34
24	Southern Ocean Pleistocene calcareous nannofossil events: calibration with isotope and geomagnetic stratigraphies. <i>Marine Micropaleontology</i> , <b>2000</b> , 40, 377-402	1.7	42
23	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
22	Precession-related sapropelites of the Messinian Sorbas Basin (South Spain): paleoenvironmental significance. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2000</b> , 158, 353-370	2.9	37

21	Ocean-surface and wind dynamics in the Atlantic Ocean off Northwest Africa during the last 140 000 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2000</b> , 161, 459-478	2.9	74
20	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
19	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, 695-698	5	4
18	Messinian pre-evaporite sapropels and precession-induced oscillations in western Mediterranean climate. <i>Marine Geology</i> , <b>1999</b> , 153, 137-146	3.3	76
17	Late glacial to recent paleoenvironmental changes in the Gulf of Cadiz and formation of sandy contourite layers. <i>Marine Geology</i> , <b>1999</b> , 155, 157-172	3.3	54
16	Chronology, causes and progression of the Messinian salinity crisis. <i>Nature</i> , <b>1999</b> , 400, 652-655	50.4	1344
15	Pleistocene fluctuations in the Agulhas Current Retroflexion based on the calcareous plankton record. <i>Marine Micropaleontology</i> , <b>1999</b> , 37, 1-22	1.7	123
14	Dansgaard-Oeschger and Heinrich event imprints in Alboran Sea paleotemperatures. <i>Paleoceanography</i> , <b>1999</b> , 14, 698-705		453
13	Record of Holocene glacial oscillations in Bransfield Basin as revealed by siliceous microfossil assemblages. <i>Antarctic Science</i> , <b>1998</b> , 10, 269-285	1.7	36
12	Revised Technique for Calculation of Calcareous Nannofossil Accumulation Rates. <i>Micropaleontology</i> , <b>1997</b> , 43, 321	2	111
11	Geological record and reconstruction of the late Pliocene impact of the Eltanin asteroid in the Southern Ocean. <i>Nature</i> , <b>1997</b> , 390, 357-63	50.4	146
10	The last 100,000 years in the western Mediterranean: sea surface water and frontal dynamics as revealed by coccolithophores. <i>Marine Micropaleontology</i> , <b>1997</b> , 29, 351-366	1.7	115
9	The Equatorial Atlantic Mid-Ocean Channel: An Ultra High-Resolution Image of Its Burial History Based on TOPAS Profiles. <i>Marine Geophysical Researches</i> , <b>1997</b> , 19, 115-135	2.3	6
8	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
7	Late neogene molluscan faunas from the Northeast Atlantic (Portugal, Spain, Morocco). <i>Geobios</i> , <b>1995</b> , 28, 459-471	1.5	14
6	Late Miocene globorotaliid event-stratigraphy and biogeography in the NE-Atlantic and Mediterranean. <i>Marine Micropaleontology</i> , <b>1993</b> , 21, 143-167	1.7	101
5	Calcareous Plankton Analysis in the Pre-Evaporitic Sediments of the ODP Site 654 (Tyrrhenian Sea, Western Mediterranean). <i>Micropaleontology</i> , <b>1992</b> , 38, 279	2	14
4	The replacement of the Globorotalia menardii group by the Globorotalia miotumida 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

3	Data report: tropical and equatorial calcareous nannofossil Pleistocene biostratigraphy, ODP Leg 202		3
2	Thermal impact of Heinrich stadials in cave temperature and speleothem oxygen isotope records. <i>Quaternary Research</i> , 1-14	1.9	2
1	Contourite depositional system after the exit of a strait: Case study from the late Miocene South Rifian Corridor, Morocco. <i>Sedimentology</i> ,	3.3	8