

Francisco JosÃ© JimÃ©nez-Espejo

List of Publications by Year in descending order

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106
papers

5,226
citations

71102

41
h-index

95266

68
g-index

117
all docs

117
docs citations

117
times ranked

5346
citing authors

#	ARTICLE	IF	CITATIONS
1	Late survival of Neanderthals at the southernmost extreme of Europe. <i>Nature</i> , 2006, 443, 850-853.	27.8	390
2	Persistent near-tropical warmth on the Antarctic continent during the early Eocene epoch. <i>Nature</i> , 2012, 488, 73-77.	27.8	266
3	Dynamic behaviour of the East Antarctic ice sheet during Pliocene warmth. <i>Nature Geoscience</i> , 2013, 6, 765-769.	12.9	219
4	The Medieval Climate Anomaly in the Iberian Peninsula reconstructed from marine and lake records. <i>Quaternary Science Reviews</i> , 2012, 43, 16-32.	3.0	210
5	Eocene cooling linked to early flow across the Tasmanian Gateway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9645-9650.	7.1	204
6	Earliest Known Use of Marine Resources by Neanderthals. <i>PLoS ONE</i> , 2011, 6, e24026.	2.5	154
7	Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , 2014, 344, 1244-1250.	12.6	144
8	Late Holocene climate variability in the southwestern Mediterranean region: an integrated marine and terrestrial geochemical approach. <i>Climate of the Past</i> , 2010, 6, 807-816.	3.4	130
9	Pliocene-Holocene evolution of depositional conditions in the eastern Mediterranean: Role of anoxia vs. productivity at time of sapropel deposition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 246, 424-439.	2.3	121
10	Orbital forcing of the East Antarctic ice sheet during the Pliocene and Early Pleistocene. <i>Nature Geoscience</i> , 2014, 7, 841-847.	12.9	121
11	Anthropogenic impact and lead pollution throughout the Holocene in Southern Iberia. <i>Science of the Total Environment</i> , 2013, 449, 451-460.	8.0	111
12	The Mesolithic-Neolithic transition in southern Iberia. <i>Quaternary Research</i> , 2012, 77, 221-234.	1.7	108
13	Gorham's Cave, Gibraltar-The persistence of a Neanderthal population. <i>Quaternary International</i> , 2008, 181, 64-71.	1.5	102
14	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. <i>Global and Planetary Change</i> , 2015, 133, 49-64.	3.5	99
15	Reorganization of Southern Ocean Plankton Ecosystem at the Onset of Antarctic Glaciation. <i>Science</i> , 2013, 340, 341-344.	12.6	97
16	Climate forcing and Neanderthal extinction in Southern Iberia: insights from a multiproxy marine record. <i>Quaternary Science Reviews</i> , 2007, 26, 836-852.	3.0	96
17	Impact of climate variability in the western Mediterranean during the last 20,000 years: oceanic and atmospheric responses. <i>Quaternary Science Reviews</i> , 2011, 30, 2018-2034.	3.0	90
18	Deciphering bottom current velocity and paleoclimate signals from contourite deposits in the Gulf of Cadiz during the last 140 kyr: An inorganic geochemical approach. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3145-3160.	2.5	86

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19	Tracking climate variability in the western Mediterranean during the Late Holocene: a multiproxy approach. <i>Climate of the Past</i> , 2011, 7, 1395-1414.	3.4	83
20	Ice loss from the East Antarctic Ice Sheet during late Pleistocene interglacials. <i>Nature</i> , 2018, 561, 383-386.	27.8	76
21	Vegetation and climate changes during the last two glacial-interglacial cycles in the western Mediterranean: A new long pollen record from Padul (southern Iberian Peninsula). <i>Quaternary Science Reviews</i> , 2019, 205, 86-105.	3.0	74
22	A two-million-year-long hydroclimatic context for hominin evolution in southeastern Africa. <i>Nature</i> , 2018, 560, 76-79.	27.8	73
23	Chronostratigraphic framework for the IODP Expedition 318 cores from the Wilkes Land Margin: Constraints for paleoceanographic reconstruction. <i>Paleoceanography</i> , 2012, 27, .	3.0	72
24	Saharan aeolian input and effective humidity variations over western Europe during the Holocene from a high altitude record. <i>Chemical Geology</i> , 2014, 374-375, 1-12.	3.3	71
25	Geochemical processes in a Mediterranean Lake: a high-resolution study of the last 4,000 years in Zoñar Lake, southern Spain. <i>Journal of Paleolimnology</i> , 2011, 46, 405-421.	1.6	70
26	Persistent monsoonal forcing of Mediterranean Outflow Water dynamics during the late Pleistocene. <i>Geology</i> , 2015, 43, 951-954.	4.4	67
27	A comparative study of the geochemical and mineralogical characteristics of the S1 sapropel in the western and eastern Mediterranean. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 190, 23-37.	2.3	65
28	Detrital input, productivity fluctuations, and water mass circulation in the westernmost Mediterranean Sea since the Last Glacial Maximum. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	65
29	Paleoenvironmental changes in the western Mediterranean since the last glacial maximum: High resolution multiproxy record from the Algero-Balearic basin. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 246, 292-306.	2.3	64
30	A dynamic explanation for the origin of the western Mediterranean organic-rich layers. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	63
31	Trace-elemental derived paleoceanographic and paleoclimatic conditions for Pleistocene Eastern Mediterranean sapropels. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 293, 76-89.	2.3	63
32	Relative sea-level rise around East Antarctica during Oligocene glaciation. <i>Nature Geoscience</i> , 2013, 6, 380-384.	12.9	63
33	Digital image treatment applied to ichnological analysis of marine core sediments. <i>Facies</i> , 2014, 60, 39-44.	1.4	60
34	Quantitative estimation of bioturbation based on digital image analysis. <i>Marine Geology</i> , 2014, 349, 55-60.	2.1	59
35	Alpine bogs of southern Spain show human-induced environmental change superimposed on long-term natural variations. <i>Scientific Reports</i> , 2017, 7, 7439.	3.3	57
36	An early Aurignacian arrival in southwestern Europe. <i>Nature Ecology and Evolution</i> , 2019, 3, 207-212.	7.8	55

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37	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> , 0, 16, 1-11.	0.6	53
38	Early Eocene to middle Miocene cooling and aridification of East Antarctica. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1399-1410.	2.5	52
39	Centennial-scale vegetation and North Atlantic Oscillation changes during the Late Holocene in the southern Iberia. <i>Quaternary Science Reviews</i> , 2016, 143, 84-95.	3.0	47
40	Millennial- to centennial-scale climate periodicities and forcing mechanisms in the westernmost Mediterranean for the past 20,000 yr. <i>Quaternary Research</i> , 2014, 81, 78-93.	1.7	46
41	Holocene climate aridification trend and human impact interrupted by millennial- and centennial-scale climate fluctuations from a new sedimentary record from Padul (Sierra Nevada, southern Iberian) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i>	1.4	46
42	Millennial-scale cyclical environment and climate variability during the Holocene in the western Mediterranean region deduced from a new multi-proxy analysis from the Padul record (Sierra Nevada,) <i>Tj ETQq0 0 rgBT /Overlock 10 T</i>	0.8	46
43	Mediterranean Overflow Over the Last 250 kyr: Freshwater Forcing From the Tropics to the Ice Sheets. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003931.	2.9	42
44	The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. <i>Scientific Drilling</i> , 0, 16, 13-19.	0.6	41
45	Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica – Part 1: Insights from late Oligocene astronomically paced contourite sedimentation. <i>Climate of the Past</i> , 2018, 14, 991-1014.	3.4	40
46	Contourite characterization and its discrimination from other deep-water deposits in the Gulf of Cadiz contourite depositional system. <i>Sedimentology</i> , 2021, 68, 987-1027.	3.1	37
47	Earliest evidence of pollution by heavy metals in archaeological sites. <i>Scientific Reports</i> , 2015, 5, 14252.	3.3	35
48	Orbital-scale environmental and climatic changes recorded in a new ~200,000-year-long multiproxy sedimentary record from Padul, southern Iberian Peninsula. <i>Quaternary Science Reviews</i> , 2018, 198, 91-114.	3.0	35
49	Pliocene deglacial event timelines and the biogeochemical response offshore Wilkes Subglacial Basin, East Antarctica. <i>Earth and Planetary Science Letters</i> , 2018, 494, 109-116.	4.4	30
50	Holocene environmental change in southern Spain deduced from the isotopic record of a high-elevation wetland in Sierra Nevada. <i>Journal of Paleolimnology</i> , 2012, 48, 471-484.	1.6	29
51	Mediterranean Outflow and surface water variability off southern Portugal during the early Pleistocene: A snapshot at Marine Isotope Stages 29 to 34 (1020–1135 ka). <i>Global and Planetary Change</i> , 2015, 133, 223-237.	3.5	29
52	Geochemical evidence for intermediate water circulation in the westernmost Mediterranean over the last 20 kyrBP and its impact on the Mediterranean Outflow. <i>Global and Planetary Change</i> , 2015, 135, 38-46.	3.5	29
53	Vegetation and geochemical responses to Holocene rapid climate change in the Sierra Nevada (southeastern Iberia): the Laguna Honderra record. <i>Climate of the Past</i> , 2018, 14, 1687-1706.	3.4	29
54	Robustness of fossil fish teeth for seawater neodymium isotope reconstructions under variable redox conditions in an ancient shallow marine setting. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 679-698.	2.5	28

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55	Antarctic icebergs reorganize ocean circulation during Pleistocene glacials. <i>Nature</i> , 2021, 589, 236-241.	27.8	28
56	Glacial erosion of East Antarctica in the Pliocene: A comparative study of multiple marine sediment provenance tracers. <i>Chemical Geology</i> , 2017, 466, 199-218.	3.3	26
57	Chronological control and centennial-scale climatic subdivisions of the Last Glacial Termination in the western Mediterranean region. <i>Quaternary Science Reviews</i> , 2021, 255, 106814.	3.0	25
58	Unexpected weak seasonal climate in the western Mediterranean region during MIS 31, a high-insolation forced interglacial. <i>Quaternary Science Reviews</i> , 2017, 161, 1-17.	3.0	22
59	Repeated advance and retreat of the East Antarctic Ice Sheet on the continental shelf during the early Pliocene warm period. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 422, 65-84.	2.3	20
60	Evidence of early bottom water current flow after the Messinian Salinity Crisis in the Gulf of Cadiz. <i>Marine Geology</i> , 2016, 380, 315-329.	2.1	20
61	Late Oligocene-Miocene proto-Antarctic Circumpolar Current dynamics off the Wilkes Land margin, East Antarctica. <i>Global and Planetary Change</i> , 2020, 191, 103221.	3.5	20
62	Productivity patterns and N-fixation associated with Pliocene-Holocene sapropels: paleoceanographic and paleoecological significance. <i>Biogeosciences</i> , 2011, 8, 415-431.	3.3	19
63	Efficient recycling of nutrients in modern and past hypersaline environments. <i>Scientific Reports</i> , 2019, 9, 3718.	3.3	19
64	Paleohydrological dynamics in the Western Mediterranean during the last glacial cycle. <i>Global and Planetary Change</i> , 2021, 202, 103527.	3.5	19
65	Following the last Neanderthals: Mammal tracks in Late Pleistocene coastal dunes of Gibraltar (S) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1	3.0	18
66	Mid-Holocene Antarctic sea-ice increase driven by marine ice sheet retreat. <i>Climate of the Past</i> , 2021, 17, 1-19.	3.4	18
67	Benthic foraminifera-based reconstruction of the first Mediterranean-Atlantic exchange in the early Pliocene Gulf of Cadiz. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 472, 93-107.	2.3	17
68	Monsoonal Forcing of European Ice Sheet Dynamics During the Late Quaternary. <i>Geophysical Research Letters</i> , 2018, 45, 7066-7074.	4.0	17
69	Radiogenic isotopes for deciphering terrigenous input provenance in the western Mediterranean. <i>Chemical Geology</i> , 2015, 410, 237-250.	3.3	16
70	Late Pleistocene oceanographic and depositional variations along the Wilkes Land margin (East) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 <i>Change</i> , 2020, 184, 103045.	3.5	16
71	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> , 2022, 589, 110841.	2.3	16
72	Environmental conditions and geomorphologic changes during the Middle Upper Paleolithic in the southern Iberian Peninsula. <i>Geomorphology</i> , 2013, 180-181, 205-216.	2.6	15

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73	Biological and physical modification of carbonate system parameters along the salinity gradient in shallow hypersaline solar salterns in Trapani, Italy. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 208, 354-367.	3.9	15
74	Shellfish collection on the westernmost Mediterranean, Bajondillo cave (160-35 kyr BP): A case of behavioral convergence?. <i>Quaternary Science Reviews</i> , 2019, 217, 284-296.	3.0	15
75	Holocene geochemical footprint from Semi-arid alpine wetlands in southern Spain. <i>Scientific Data</i> , 2018, 5, 180024.	5.3	14
76	Messinian West Alboran Sea record in the proximity of Gibraltar: Early signs of Atlantic-Mediterranean gateway restriction. <i>Marine Geology</i> , 2021, 434, 106430.	2.1	14
77	An environmental snapshot of the Bölling interstadial in Southern Iberia. <i>Quaternary Research</i> , 2014, 81, 284-294.	1.7	12
78	Geology of the Wilkes land sub-basin and stability of the East Antarctic Ice Sheet: Insights from rock magnetism at IODP Site U1361. <i>Earth and Planetary Science Letters</i> , 2015, 412, 61-69.	4.4	12
79	Miocene to Pleistocene osmium isotopic records of the Mediterranean sediments. <i>Paleoceanography</i> , 2016, 31, 148-166.	3.0	12
80	Indian Monsoonal Variations During the Past 80 Kyr Recorded in NGHP02 Hole 19B, Western Bay of Bengal: Implications From Chemical and Mineral Properties. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 148-165.	2.5	12
81	An X-ray spectroscopic perspective on Messinian evaporite from Sicily: Sedimentary fabrics, element distributions, and chemical environments of S and Mg. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1383-1400.	2.5	11
82	Origin of low-chloride fluid in sediments from the eastern continental margin of India, results from the National Gas Hydrate Program Expedition 02. <i>Marine and Petroleum Geology</i> , 2019, 108, 377-388.	3.3	11
83	Algal lipids reveal unprecedented warming rates in alpine areas of SW Europe during the industrial period. <i>Climate of the Past</i> , 2020, 16, 245-263.	3.4	11
84	A New Seismic Stratigraphy in the Indian Atlantic Ocean Gateway Resembles Major Paleooceanographic Changes of the Last 7 Ma. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 339-358.	2.5	9
85	The Holocene Cedrus pollen record from Sierra Nevada (S Spain), a proxy for climate change in N Africa. <i>Quaternary Science Reviews</i> , 2020, 242, 106468.	3.0	9
86	Constraints on the fluid supply rate into and through gas hydrate reservoir systems as inferred from pore-water chloride and in situ temperature profiles, Krishna-Godavari Basin, India. <i>Marine and Petroleum Geology</i> , 2019, 108, 368-376.	3.3	8
87	Strong glacial-interglacial variability in upper ocean hydrodynamics, biogeochemistry, and productivity in the southern Indian Ocean. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	8
88	Latest Holocene paleoenvironmental and paleoclimate reconstruction from an alpine bog in the Western Mediterranean region: The Borreguil de los Lavaderos de la Reina record (Sierra Nevada). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 573, 110434.	2.3	8
89	A geochemical multi-proxy approach for anthropogenic processes in a Middle Upper Pleistocene endokarstic deposit. <i>Quaternary International</i> , 2016, 407, 140-149.	1.5	7
90	Sensitivity of Holocene East Antarctic productivity to subdecadal variability set by sea ice. <i>Nature Geoscience</i> , 0, , .	12.9	5

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91	Millennial-scale variability of Indian summer monsoon constrained by the western Bay of Bengal sediments: Implication from geochemical proxies of sea surface salinity and river runoff. <i>Global and Planetary Change</i> , 2022, 208, 103719.	3.5	5
92	Changes in detrital input, ventilation and productivity in the central Okhotsk Sea during the marine isotope stage 5e, penultimate interglacial period. <i>Journal of Asian Earth Sciences</i> , 2018, 156, 189-200.	2.3	4
93	Reply to "Dating on its own cannot resolve hominin occupation patterns" and "No reliable evidence for a very early Aurignacian in Southern Iberia". <i>Nature Ecology and Evolution</i> , 2019, 3, 714-715.	7.8	4
94	Multi-purpose fossils? The reappraisal of an <i>Elephas antiquus</i> molar from El Pirulejo (Magdalenian). <i>Journal of Quaternary Science</i> , 2018, 10, 103-110.	1.8	3
95	Biomarker records and mineral compositions of the Messinian halite and Mg salts from Sicily. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	3
96	Fossils in Iberian prehistory: A review of the palaeozoological evidence. <i>Quaternary Science Reviews</i> , 2020, 250, 106676.	3.0	3
97	Hydrological influence on the evolution of a subtropical mangrove ecosystem during the late Holocene from Babitonga Bay, Brazil. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 574, 110463.	2.3	3
98	Data report: IODP Site U1387: the revised splice between Sections U1387B-18X-3 and U1387C-8R-3 (>171.6). <i>Journal of Quaternary Science</i> , 2018, 10, 103-110.	1.0	3
99	Climatic control on the Holocene hydrology of a playa-lake system in the western Mediterranean. <i>Catena</i> , 2022, 214, 106292.	5.0	3
100	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> , 2022, 209, 103732.	3.5	2
101	Sensitivity of the West Antarctic Ice Sheet to +2% Δ C (SWAIS 2C). <i>Scientific Drilling</i> , 0, 30, 101-112.	0.6	2
102	Suspected meteorite fragments in marine sediments from East Antarctica. <i>Antarctic Science</i> , 2018, 30, 307-321.	0.9	1
103	Preservation of Fe/Mn redox fronts in sediments of an oligotrophic, oxygenated deep-water lake (Lago Tj ETQq] 1 0.784314 rgBT	3.1	1
104	Beryllium isotope variations recorded in the AdÃ©lie Basin, East Antarctica reflect Holocene changes in ice dynamics, productivity, and scavenging efficiency. <i>Quaternary Science Advances</i> , 2022, , 100054.	1.9	1
105	Evidence for Marine Consumption During the Upper Palaeolithic at "El Pirulejo" Inland Rock- Shelter (Southern Iberia Peninsula, Spain). <i>Open Quaternary</i> , 2022, 8, 6.	1.0	1
106	Corrigendum to "Vegetation and climate changes during the last two glacial-interglacial cycles in the western Mediterranean: A new long pollen record from Padul (southern Iberian Peninsula)". <i>Quat. Sci. Rev.</i> 205 (2019) 86-105]. <i>Quaternary Science Reviews</i> , 2019, 207, 161-162.	3.0	0