

Francisca Martinez-Ruiz

List of Publications by Year in descending order

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97
papers

4,270
citations

109137

35
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114278

63
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103
all docs

103
docs citations

103
times ranked

4786
citing authors

#	ARTICLE	IF	CITATIONS
1	Ichtnological evidence for bottom water oxygenation during organic rich layer deposition in the westernmost Mediterranean over the Last Glacial Cycle. <i>Marine Geology</i> , 2022, 443, 106673.	0.9	2
2	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.	1.6	2
3	Ichtnological analysis as a tool for assessing deep-sea circulation in the westernmost Mediterranean over the last Glacial Cycle. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110082.	1.0	4
4	The <i>Halimedes</i> record in the Asturian Basin (northern Spain): supporting the Toarcian Oceanic Anoxic Event relationship. <i>Geological Society Special Publication</i> , 2021, 514, 173-184.	0.8	3
5	Minor changes in biomarker assemblages in the aftermath of the Cretaceous-Paleogene mass extinction event at the Agost distal section (Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 569, 110310.	1.0	6
6	Bottom- and pore-water oxygenation during the early Toarcian Oceanic Anoxic Event (T-OAE) in the Asturian Basin (N Spain): Ichtnological information to improve facies analysis. <i>Sedimentary Geology</i> , 2021, 419, 105909.	1.0	8
7	Factors controlling pelagic barite distribution across the ocean water column: new insights from the Great Calcite Belt. , 2021, , .		0
8	Geochemical approach to constrain bottom-water oxygenation during the Toarcian Oceanic Anoxic Event (T-OAE) at the Northern Iberian Palaeomargin. , 2021, , .		0
9	Assessing the evolution of primary productivity at distal sections from Cretaceous-Paleogene mass extinction. , 2021, , .		0
10	Rapid Climate Changes in the Westernmost Mediterranean (Alboran Sea) Over the Last 35 kyr: New Insights From Four Lipid Paleothermometers (U ^{K'} ₃₇), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5.9 377 Tds (TEX ^{sup})		0
11	Oxygen depletion during sapropel deposition: Reassessing redox proxies for reconstructing surface and bottom water oxygen conditions. , 2021, , .		0
12	Applied ichtnology in sedimentary geology: Python scripts as a method to automatize ichnofabric analysis in marine core images. <i>Computers and Geosciences</i> , 2020, 136, 104407.	2.0	11
13	A revised seawater sulfate S-isotope curve for the Eocene. <i>Chemical Geology</i> , 2020, 532, 119382.	1.4	23
14	Microscale trace-element distribution across the Cretaceous/Palaeogene ejecta layer at the Agost section: Constraining the recovery of pre-impact conditions. <i>Chemical Geology</i> , 2020, 533, 119431.	1.4	5
15	Exploring bacterial community composition in Mediterranean deep-sea sediments and their role in heavy metal accumulation. <i>Science of the Total Environment</i> , 2020, 712, 135660.	3.9	26
16	Barite Precipitation on Suspended Organic Matter in the Mesopelagic Zone. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	15
17	Role of Exopolymers in Pelagic Barite Precipitation in the Ocean. , 2020, , .		0
18	Recent, deep-sourced methane/mud discharge at the most active mud volcano in the western Mediterranean. <i>Marine Geology</i> , 2019, 408, 1-17.	0.9	10

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19	Barite formation in the ocean: Origin of amorphous and crystalline precipitates. <i>Chemical Geology</i> , 2019, 511, 441-451.	1.4	74
20	Barium bioaccumulation by bacterial biofilms and implications for Ba cycling and use of Ba proxies. <i>Nature Communications</i> , 2018, 9, 1619.	5.8	58
21	Application of laser ablation-ICP-MS to determine high-resolution elemental profiles across the Cretaceous/Paleogene boundary at Agost (Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 497, 128-138.	1.0	11
22	Holocene geochemical footprint from Semi-arid alpine wetlands in southern Spain. <i>Scientific Data</i> , 2018, 5, 180024.	2.4	14
23	Appraising timing response of paleoenvironmental proxies to the Bond cycle in the western Mediterranean over the last 20 kyr. <i>Climate Dynamics</i> , 2018, 50, 2925-2934.	1.7	5
24	Vegetation and geochemical responses to Holocene rapid climate change in the Sierra Nevada (southeastern Iberia): the Laguna Hondera record. <i>Climate of the Past</i> , 2018, 14, 1687-1706.	1.3	29
25	Orbital-scale environmental and climatic changes recorded in a new $\sim 1/4$ 200,000-year-long multiproxy sedimentary record from Padul, southern Iberian Peninsula. <i>Quaternary Science Reviews</i> , 2018, 198, 91-114.	1.4	35
26	High-resolution data from Laser Ablation-ICP-MS and by ICP-OES analyses at the Cretaceous/Paleogene boundary section at Agost (SE Spain). <i>Data in Brief</i> , 2018, 18, 1900-1906.	0.5	3
27	Paleoenvironmental conditions across the Cretaceous–Paleogene transition at the Apennines sections (Italy): An integrated geochemical and ichnological approach. <i>Cretaceous Research</i> , 2017, 71, 1-13.	0.6	18
28	Geochemical and isotopic characterization of trace fossil infillings: New insights on tracemaker activity after the K/Pg impact event. <i>Cretaceous Research</i> , 2016, 57, 391-401.	0.6	23
29	Earliest evidence of pollution by heavy metals in archaeological sites. <i>Scientific Reports</i> , 2015, 5, 14252.	1.6	35
30	Geochemical evidence for intermediate water circulation in the westernmost Mediterranean over the last 20 kyr BP and its impact on the Mediterranean Outflow. <i>Global and Planetary Change</i> , 2015, 135, 38-46.	1.6	29
31	Role of bacteria in marine barite precipitation: A case study using Mediterranean seawater. <i>Science of the Total Environment</i> , 2015, 512-513, 562-571.	3.9	22
32	Radiogenic isotopes for deciphering terrigenous input provenance in the western Mediterranean. <i>Chemical Geology</i> , 2015, 410, 237-250.	1.4	16
33	Optimization of Itrax Core Scanner Measurement Conditions for Sediments from Submarine Mud Volcanoes. <i>Developments in Paleoenvironmental Research</i> , 2015, , 103-126.	7.5	3
34	Palaeoclimate and palaeoceanographic conditions in the westernmost Mediterranean over the last millennium: an integrated organic and inorganic approach. <i>Journal of the Geological Society</i> , 2015, 172, 264-271.	0.9	14
35	Paleoclimate and paleoceanography over the past 20,000 yr in the Mediterranean Sea Basins as indicated by sediment elemental proxies. <i>Quaternary Science Reviews</i> , 2015, 107, 25-46.	1.4	142
36	Origin of lipid biomarkers in mud volcanoes from the Alboran Sea, western Mediterranean. <i>Biogeosciences</i> , 2014, 11, 3187-3204.	1.3	6

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37	Sea surface temperature variations in the western Mediterranean Sea over the last 20 kyr: A dual organic proxy (U ^{K&sup>37} and LDI) approach. <i>Paleoceanography</i> , 2014, 29, 87-98.	3.0	68
38	Rapid bottom-water circulation changes during the last glacial cycle in the coastal low-latitude NE Atlantic. <i>Quaternary Research</i> , 2014, 81, 330-338.	1.0	12
39	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.	1.4	71
40	Smectite synthesis at low temperature and neutral pH in the presence of succinic acid. <i>Applied Clay Science</i> , 2014, 101, 553-557.	2.6	19
41	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.	1.0	46
42	Anthropogenic impact and lead pollution throughout the Holocene in Southern Iberia. <i>Science of the Total Environment</i> , 2013, 449, 451-460.	3.9	111
43	Climate conditions in the westernmost Mediterranean over the last two millennia: An integrated biomarker approach. <i>Organic Geochemistry</i> , 2013, 55, 1-10.	0.9	43
44	Environmental conditions and geomorphologic changes during the Middleâ€“Upper Paleolithic in the southern Iberian Peninsula. <i>Geomorphology</i> , 2013, 180-181, 205-216.	1.1	15
45	Climate imprints during the â€“Medieval Climate Anomalyâ€™ and the â€“Little Ice Ageâ€™ in marine records from the Alboran Sea basin. <i>Holocene</i> , 2013, 23, 1227-1237.	0.9	36
46	Comparison of benthic foraminifera and geochemical proxies in shelf deposits from the Upper Jurassic of the Prebetic (southern Spain). <i>Journal of Iberian Geology</i> , 2013, 38, .	0.7	7
47	Bottom-Water Conditions in a Marine Basin after the Cretaceousâ€“Paleogene Impact Event: Timing the Recovery of Oxygen Levels and Productivity. <i>PLoS ONE</i> , 2013, 8, e82242.	1.1	26
48	Precipitation of barite by marine bacteria: A possible mechanism for marine barite formation. <i>Geology</i> , 2012, 40, 675-678.	2.0	72
49	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
50	BaMn[CO ₃] ₂ â€“ a previously unrecognized double carbonate in low-temperature environments: Structural, spectroscopic, and textural tools for future identification. <i>Chemie Der Erde</i> , 2012, 72, 85-89.	0.8	14
51	The Mesolithicâ€“Neolithic transition in southern Iberia. <i>Quaternary Research</i> , 2012, 77, 221-234.	1.0	108
52	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.	1.4	90
53	Tracking climate variability in the western Mediterranean during the Late Holocene: a multiproxy approach. <i>Climate of the Past</i> , 2011, 7, 1395-1414.	1.3	83
54	Productivity patterns and N-fixation associated with Pliocene-Holocene sapropels: paleoceanographic and paleoecological significance. <i>Biogeosciences</i> , 2011, 8, 415-431.	1.3	19

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55	Earliest Known Use of Marine Resources by Neanderthals. PLoS ONE, 2011, 6, e24026.	1.1	154
56	Geochemical processes in a Mediterranean Lake: a high-resolution study of the last 4,000 years in Zoñar Lake, southern Spain. Journal of Paleolimnology, 2011, 46, 405-421.	0.8	70
57	Late Holocene climate variability in the southwestern Mediterranean region: an integrated marine and terrestrial geochemical approach. Climate of the Past, 2010, 6, 807-816.	1.3	130
58	Trace-elemental derived paleoceanographic and paleoclimatic conditions for Pleistocene Eastern Mediterranean sapropels. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 293, 76-89.	1.0	63
59	Bacterial biomineralization: new insights from <i>Myxococcus</i> -induced mineral precipitation. Geological Society Special Publication, 2010, 336, 31-50.	0.8	85
60	Correction to "Detrital input, productivity fluctuations, and water mass circulation in the westernmost Mediterranean Sea since the Last Glacial Maximum". Geochemistry, Geophysics, Geosystems, 2009, 10, n/a-n/a.	1.0	0
61	A dynamic explanation for the origin of the western Mediterranean organic-rich layers. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	63
62	Gorham's Cave, Gibraltar: The persistence of a Neanderthal population. Quaternary International, 2008, 181, 64-71.	0.7	102
63	Ca-Mg kutnahorite and struvite production by <i>Idiomarina</i> strains at modern seawater salinities. Chemosphere, 2008, 72, 465-472.	4.2	50
64	Detrital input, productivity fluctuations, and water mass circulation in the westernmost Mediterranean Sea since the Last Glacial Maximum. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	65
65	Climate forcing and Neanderthal extinction in Southern Iberia: insights from a multiproxy marine record. Quaternary Science Reviews, 2007, 26, 836-852.	1.4	96
66	Paleoenvironmental changes in the western Mediterranean since the last glacial maximum: High resolution multiproxy record from the Algero-Balearic basin. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 246, 292-306.	1.0	64
67	Pliocene-Holocene evolution of depositional conditions in the eastern Mediterranean: Role of anoxia vs. productivity at time of sapropel deposition. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 246, 424-439.	1.0	121
68	Diagenetic formation of greigite and pyrrhotite in gas hydrate marine sedimentary systems. Earth and Planetary Science Letters, 2007, 261, 350-366.	1.8	148
69	Magnetic characterization of Cretaceous-Tertiary boundary sediments. Meteoritics and Planetary Science, 2007, 42, 1505-1527.	0.7	10
70	Gas hydrate disturbance fabrics of southern Hydrate Ridge sediments (ODP Leg 204): Relationship with texture and physical properties. Geo-Marine Letters, 2007, 27, 279-288.	0.5	12
71	Identifying instrumental and historical earthquake records in the SW Iberian margin using ²¹⁰ Pb turbidite chronology. Geophysical Research Letters, 2006, 33, .	1.5	29
72	Rare earth element composition as evidence of the precursor material of Cretaceous-Tertiary boundary sediments at distal sections. Chemical Geology, 2006, 232, 1-11.	1.4	21

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73	Use of high-resolution ichnological and stable isotope data for assessing completeness of a K-T boundary section, Agost, Spain. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 237, 137-146.	1.0	40
74	Late survival of Neanderthals at the southernmost extreme of Europe. <i>Nature</i> , 2006, 443, 850-853.	13.7	390
75	Using sulfur isotopes to elucidate the origin of barite associated with high organic matter accumulation events in marine sediments. , 2004, , .		14
76	Carbon isotope evidence for the timing of the Cretaceous-Palaeogene macrobenthic colonisation at the Agost section (southeast Spain). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 203, 65-72.	1.0	40
77	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.	1.0	65
78	Precipitation of Barite by <i>Myxococcus xanthus</i> : Possible Implications for the Biogeochemical Cycle of Barium. <i>Applied and Environmental Microbiology</i> , 2003, 69, 5722-5725.	1.4	79
79	The Stratigraphic Record of Impact Events: A Short Overview. <i>Impact Studies</i> , 2003, , 1-40.	0.2	3
80	Cretaceous-Tertiary boundary at Blake Nose (Ocean Drilling Program Leg 171B): A record of the Chicxulub impact ejecta. , 2002, , .		3
81	Review of the mineralogy of the Cretaceous-Tertiary boundary clay: evidence supporting a major extraterrestrial catastrophic event. <i>Clay Minerals</i> , 2002, 37, 395-411.	0.2	18
82	TRANSMISSION ELECTRON MICROSCOPY EVIDENCE FOR EXPERIMENTAL ILLITIZATION OF SMECTITE IN K-ENRICHED SEAWATER SOLUTION AT 50°C AND BASIC pH. <i>Clays and Clay Minerals</i> , 2002, 50, 746-756.	0.6	32
83	Climate, tectonics and meteoritic impact expressed by clay mineral sedimentation across the Cretaceous-Tertiary boundary at Blake Nose, Northwestern Atlantic. <i>Clay Minerals</i> , 2001, 36, 49-60.	0.2	8
84	Geochemistry of the Cretaceous-Tertiary boundary at Blake Nose (ODP Leg 171B). <i>Geological Society Special Publication</i> , 2001, 183, 131-148.	0.8	12
85	K-T boundary spherules from Blake Nose (ODP Leg 171B) as a record of the Chicxulub ejecta deposits. <i>Geological Society Special Publication</i> , 2001, 183, 149-161.	0.8	13
86	Temperature and salinity variations of Mediterranean Sea surface waters over the last 16,000 years from records of planktonic stable oxygen isotopes and alkenone unsaturation ratios. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2000, 158, 259-280.	1.0	289
87	Geochemical evidence for enhanced productivity during S1 sapropel deposition in the eastern Mediterranean. <i>Paleoceanography</i> , 2000, 15, 200-209.	3.0	68
88	Positive Eu anomaly development during diagenesis of the K/T boundary ejecta layer in the Agost section (SE Spain): implications for trace-element remobilization. <i>Terra Nova</i> , 1999, 11, 290-296.	0.9	58
89	Le Crétacé-Paléogène du Blake Nose (marge atlantique de la Floride, campagne ODP 171 B): un enregistrement exemplaire de la transition Maastrichtien-Danien. <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> =, 1997, 325, 499-504.	0.2	1
90	Quench textures in altered spherules from the Cretaceous-Tertiary boundary layer at Agost and Caravaca, SE Spain. <i>Sedimentary Geology</i> , 1997, 113, 137-147.	1.0	35

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91	Comparative mineralogical and geochemical clay sedimentation in the Betic Cordilleras and Basque-Cantabrian Basin areas at the Cretaceous-Tertiary boundary. <i>Sedimentary Geology</i> , 1995, 94, 209-227.	1.0	30
92	The geochemistry and mineralogy of the Cretaceous-Tertiary boundary at Agost (southeast Spain). <i>Chemical Geology</i> , 1992, 95, 265-281.	1.4	37
93	Some clues about the Napoli and Milano mud volcanoes from an integrated log-core approach. , 0, , .		4
94	Mineral associations and geochemical indicators in upper Miocene to Pleistocene sediments in the Alboran Basin. , 0, , .		5
95	Pliocene-Pleistocene sedimentary facies at Site 976: depositional history in the northwestern Alboran Sea. , 0, , .		6
96	Data Report: Grain-Size and Bulk and Clay Mineralogy of Sediments from the Summit and Flanks of Southern Hydrate Ridge, Sites 1244-1250, ODP Leg 204. , 0, , .		3
97	Rock Magnetic Identification of Magnetic Iron Sulfides and Its Bearing on the Occurrence of Gas Hydrates, ODP Leg 204 (Hydrate Ridge). , 0, , .		4