Antoni Calafat

List of Publications by Year
in descending order

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87 papers	5,484 citations	117625 34 h-index	82547 72 g-index
95 all docs	95 docs citations	95 times ranked	5853 citing authors

#	Article	IF	Citations
1	Particle fluxes in submarine canyons along a sediment-starved continental margin and in the adjacent open slope and basin in the SW Mediterranean Sea. Progress in Oceanography, 2022, 203, 102783.	3.2	2
2	Atmospheric and Oceanographic Forcing Impact Particle Flux Composition and Carbon Sequestration in the Eastern Mediterranean Sea: A Three-Year Time-Series Study in the Deep Ierapetra Basin. Frontiers in Earth Science, 2021, 9, .	1.8	4
3	Assessment of the Restoration of the Remolar Dune System (Viladecans, Barcelona): The Resilience of a Coastal Dune System. Journal of Marine Science and Engineering, 2021, 9, 113.	2.6	2
4	Deep-water formation variability in the north-western Mediterranean Sea during the last 2500â€¯yr: A proxy validation with present-day data. Global and Planetary Change, 2019, 177, 56-68.	3.5	13
5	Floating microplastics and aggregate formation in the Western Mediterranean Sea. Marine Pollution Bulletin, 2019, 140, 523-535.	5.0	175
6	Spatial distribution of sedimentation-rate increases in Blanes Canyon caused by technification of bottom trawling fleet. Progress in Oceanography, 2018, 169, 241-252.	3.2	25
7	A submarine volcanic eruption leads to a novel microbial habitat. Nature Ecology and Evolution, 2017, 1, 144.	7.8	42
8	Deep-water zooplankton in the Mediterranean Sea: Results from a continuous, synchronous sampling over different regions using sediment traps. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 126, 103-114.	1.4	12
9	Can mud (silt and clay) concentration be used to predict soil organic carbon content within seagrass ecosystems?. Biogeosciences, 2016, 13, 4915-4926.	3.3	92
10	Enhanced carbon export to the abyssal depths driven by atmosphere dynamics. Geophysical Research Letters, 2016, 43, 8626-8636.	4.0	14
11	Particle fluxes and their drivers in the AvilÃ©s submarine canyon and adjacent slope, central Cantabrian margin, Bay of Biscay. Progress in Oceanography, 2016, 144, 39-61.	3.2	14
12	Composition and sources of sedimentary organic matter in the deep eastern Mediterranean Sea. Biogeosciences, 2015, 12, 7379-7402.	3.3	21
13	Organic carbon inputs to the sea bottom of the Mallorca continental slope. Journal of Marine Systems, 2015, 148, 142-151.	2.1	13
14	Particle sources and downward fluxes in the eastern Fram strait under the influence of the west Spitsbergen current. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 103, 49-63.	1.4	17
15	Delivery of unprecedented amounts of perfluoroalkyl substances towards the deep-sea. Science of the Total Environment, 2015, 526, 41-48.	8.0	31
16	Biogeochemical characterization of the riverine particulate organic matter transferred to the NW Mediterranean Sea. Biogeosciences, 2014, 11, 157-172.	3.3	29
17	The deep sea is a major sink for microplastic debris. Royal Society Open Science, 2014, 1, 140317.	2.4	1,278
18	Earthquake-Triggered Subaerial Landslides that Caused Large Scale Fjord Sediment Deformation: Combined Subaerial and Submarine Studies of the 2007 AysÃ©n Fjord Event, Chile. , 2014, , 67-70.		4

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19	Carbon flux to the deep in three open sites of the Southern European Seas (SES). Journal of Marine Systems, 2014, 129, 224-233.	2.1	30
20	Reprint of: Carbon flux to the deep in three open sites of the Southern European Seas (SES). Journal of Marine Systems, 2014, 135, 170-179.	2.1	8
21	Environmental factors controlling particulate mass fluxes on the Mallorca continental slope (Western Mediterranean Sea). Journal of Marine Systems, 2014, 138, 63-69.	2.1	10
22	Interaction of dense shelf water cascading and openâ€sea convection in the northwestern Mediterranean during winter 2012. Geophysical Research Letters, 2013, 40, 1379-1385.	4.0	136
23	Deep flow variability in a deeply incised Mediterranean submarine valley (Blanes canyon). Progress in Oceanography, 2013, 118, 47-60.	3.2	11
24	Composition and provenance of terrigenous organic matter transported along submarine canyons in the Gulf of Lion (NW Mediterranean Sea). Progress in Oceanography, 2013, 118, 81-94.	3.2	17
25	Riverine transport of terrestrial organic matter to the North Catalan margin, NW Mediterranean Sea. Progress in Oceanography, 2013, 118, 71-80.	3.2	35
26	Bioavailable compounds in sinking particulate organic matter, Blanes Canyon, NW Mediterranean Sea: Effects of a large storm and sea surface biological processes. Progress in Oceanography, 2013, 118, 108-121.	3.2	17
27	Multiple drivers of particle fluxes in the Blanes submarine canyon and southern open slope: Results of a year round experiment. Progress in Oceanography, 2013, 118, 95-107.	3.2	31
28	Impact of storm-induced remobilization on grain size distribution and organic carbon content in sediments from the Blanes Canyon area, NW Mediterranean Sea. Progress in Oceanography, 2013, 118, 122-136.	3.2	25
29	Accumulation of dioxins in deep-sea crustaceans, fish and sediments from a submarine canyon (NW) Tj ETQq1 1 0.784314 rgBT /Over	3.2	14
30	Landslides Cause Tsunami Waves: Insights From AysÃ©n Fjord, Chile. Eos, 2013, 94, 297-298.	0.1	21
31	Bioavailability of sinking organic matter in the Blanes canyon and the adjacent open slope (NW) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	10
32	Sediment transport along the Cap de Creus Canyon flank during a mild, wet winter. Biogeosciences, 2013, 10, 3221-3239.	3.3	20
33	External forcings, oceanographic processes and particle flux dynamics in Cap de Creus submarine canyon, NW Mediterranean Sea. Biogeosciences, 2013, 10, 3493-3505.	3.3	11
34	Carbon Dynamics within Cyclonic Eddies: Insights from a Biomarker Study. PLoS ONE, 2013, 8, e82447.	2.5	13
35	Cold-Water Coral Distribution in an Erosional Environment. , 2012, , 635-643.		2
36	Cold-Water Coral Colonization of Alboran Sea Knolls, Western Mediterranean Sea. , 2012, , 819-829.		4

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37	Ploughing the deep sea floor. Nature, 2012, 489, 286-289.	27.8	367
38	Sediment transport to the deep canyons and open-slope of the western Gulf of Lions during the 2006 intense cascading and open-sea convection period. Progress in Oceanography, 2012, 106, 1-15.	3.2	67
39	Impacts on the Deep-Sea Ecosystem by a Severe Coastal Storm. PLoS ONE, 2012, 7, e30395.	2.5	114
40	Transient erosion in the Valencia Trough turbidite systems, NW Mediterranean Basin. Geomorphology, 2011, 130, 173-184.	2.6	28
41	Use of organic biomarkers to trace the transport of marine and terrigenous organic matter through the southwestern canyons of the Gulf of Lion. Marine Chemistry, 2011, 126, 1-12.	2.3	30
42	Microplankton response to environmental conditions in the Alboran Sea (Western Mediterranean): One year sediment trap record. Marine Micropaleontology, 2011, 78, 14-24.	1.2	44
43	Understanding sediment dynamics of two large submarine valleys from seafloor data: Blanes and La Fonera canyons, northwestern Mediterranean Sea. Marine Geology, 2011, 280, 20-39.	2.1	66
44	Regional and temporal variability of sinking organic matter in the subtropical northeast Atlantic Ocean: a biomarker diagnosis. Biogeosciences, 2010, 7, 2101-2115.	3.3	23
45	Flux and composition of settling particles across the continental margin of the Gulf of Lion: the role of dense shelf water cascading. Biogeosciences, 2010, 7, 217-231.	3.3	55
46	Ecosystem effects of dense water formation on deep Mediterranean Sea ecosystems: an overview. Advances in Oceanography and Limnology, 2010, 1, 67-83.	0.6	16
47	Reexposure and advection of ¹⁴Câ€depleted organic carbon from old deposits at the upper continental slope. Global Biogeochemical Cycles, 2010, 24, .	4.9	9
48	Role of slowly settling particles in the ocean carbon cycle. Geophysical Research Letters, 2010, 37, .	4.0	91
49	Ecosystem effects of dense water formation on deep Mediterranean Sea ecosystems: an overview. Advances in Oceanography and Limnology, 2010, 1, 67.	0.6	16
50	Cascades in Mediterranean Submarine Grand Canyons. Oceanography, 2009, 22, 26-43.	1.0	167
51	Relationship between environment and the occurrence of the deep-water rose shrimp Aristeus antennatus (Risso, 1816) in the Blanes submarine canyon (NW Mediterranean). Progress in Oceanography, 2009, 82, 227-238.	3.2	59
52	Particle fluxes dynamics in Blanes submarine canyon (Northwestern Mediterranean). Progress in Oceanography, 2009, 82, 239-251.	3.2	70
53	Simulating transport and deposition of clastic sediments in an elongate basin using the SIMSAFADIM-CLASTIC program: The Camarasa artificial lake case study (NE Spain). Sedimentary Geology, 2009, 222, 16-26.	2.1	13
54	An observational study of oceanic eddy generation mechanisms by tall deepâ€water islands (Gran) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.0	27

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55	Across margin export of organic matter by cascading events traced by stable isotopes, northwestern Mediterranean Sea. Limnology and Oceanography, 2009, 54, 1488-1500.	3.1	56
56	Compositional and temporal evolution of particle fluxes in the open Algeroâ€“Balearic basin (Western) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.1	21
57	Impact of dense shelf water cascading on the transfer of organic matter to the deep western Mediterranean basin. Geophysical Research Letters, 2008, 35, .	4.0	68
58	Seasonal and event-controlled export of organic matter from the shelf towards the Gulf of Lions continental slope. Continental Shelf Research, 2008, 28, 1971-1983.	1.8	39
59	Comparison of horizontal and downward particle fluxes across canyons of the Gulf of Lions (NW) Tj ETQq1 1 0.784314 rgBT /Overloc 1957-1970.	1.8	44
60	Particulate organic carbon budget in the open Algero-Balearic Basin (Western Mediterranean): Assessment from a one-year sediment trap experiment. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1530-1548.	1.4	29
61	Sediment undulations on the Llobregat prodelta: Signs of early slope instability or sedimentary bedforms?. Journal of Geophysical Research, 2007, 112, .	3.3	33
62	Late Holocene fine-grained sediments of the Balearic Abyssal Plain, Western Mediterranean Sea. Marine Geology, 2007, 237, 25-36.	2.1	17
63	Relationship between continental rise development and palaeo-ice sheet dynamics, Northern Antarctic Peninsula Pacific margin. Quaternary Science Reviews, 2006, 25, 933-944.	3.0	54
64	Spatial and temporal variability of downward particle fluxes on a continental slope: Lessons from an 8-yr experiment in the Gulf of Lions (NW Mediterranean). Marine Geology, 2006, 234, 63-92.	2.1	139
65	Morphogenetic mesoscale analysis of the northeastern Iberian margin, NW Mediterranean Basin. Marine Geology, 2006, 234, 3-20.	2.1	59
66	Suspended sediment fluxes and transport processes in the Gulf of Lions submarine canyons. The role of storms and dense water cascading. Marine Geology, 2006, 234, 43-61.	2.1	237
67	Particulate barium fluxes on the continental margin: a study from the Alboran Sea (Western) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.3	26
68	Particle fluxes and organic carbon balance across the Eastern Alboran Sea (SW Mediterranean Sea). Continental Shelf Research, 2005, 25, 609-628.	1.8	34
69	Particle fluxes in the Almeria-Oran Front: control by coastal upwelling and sea surface circulation. Journal of Marine Systems, 2004, 52, 89-106.	2.1	28
70	Planktonic response to main oceanographic changes in the Alboran Sea (Western Mediterranean) as documented in sediment traps and surface sediments. Marine Micropaleontology, 2004, 53, 423-445.	1.2	89
71	Characterisation of the recent BIG'95 debris flow deposit on the Ebro margin, Western Mediterranean Sea, after a variety of seismic reflection data. Marine Geology, 2004, 213, 235-255.	2.1	58
72	An introduction to Mediterranean deep-sea biology. Scientia Marina, 2004, 68, 7-38.	0.6	104

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73	Accumulation rates of major constituents of hemipelagic sediments in the deep Alboran Sea: a centennial perspective of sedimentary dynamics. Marine Geology, 2003, 193, 207-233.	2.1	76
74	Uncovering the footprint of former ice streams off Antarctica. Eos, 2003, 84, 97.	0.1	22
75	Seafloor evidence of a subglacial sedimentary system off the northern Antarctic Peninsula. Geology, 2002, 30, 603.	4.4	82
76	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. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2002, 25, 315-324.	0.7	12
77	Composition and spatio-temporal variability of particle fluxes in the Western Alboran Gyre, Mediterranean Sea. Journal of Marine Systems, 2002, 33-34, 431-456.	2.1	101
78	Morphological and chemical variability of colloids in the Almeria-Oran Front in the eastern Alboran Sea (SW Mediterranean Sea). Limnology and Oceanography, 2001, 46, 1347-1357.	3.1	11
79	Trace metals in suspended particulate matter and sediments from the Severnaya Dvina estuary, Russian Arctic. Polar Record, 2001, 37, 249-256.	0.8	16
80	Bransfield Basin fine-grained sediments: late-Holocene sedimentary processes and Antarctic oceanographic conditions. Holocene, 2000, 10, 703-718.	1.7	38
81	A multidisciplinary approach to the understanding of hydromedusan populations inhabiting Mediterranean submarine canyons. Deep-Sea Research Part I: Oceanographic Research Papers, 2000, 47, 1513-1533.	1.4	49
82	Deep sea-floor evidence of past ice streams off the Antarctic Peninsula. Geology, 2000, 28, 31.	4.4	271
83	C37 alkenone measurements of sea surface temperature in the Gulf of Lions (NW Mediterranean). Organic Geochemistry, 1999, 30, 557-566.	1.8	45
84	Very high-resolution seismic definition of glacial and postglacial sediment bodies in the continental shelves of the northern Trinity Peninsula region, Antarctica. Annals of Glaciology, 1998, 27, 260-264.	1.4	2
85	Internal structure and seismic facies of the deep-water sediment drifts off northern Graham Land, Antarctic Peninsula: results from a very high-resolution survey. Annals of Glaciology, 1998, 27, 265-267.	1.4	3
86	Record of Holocene glacial oscillations in Bransfield Basin as revealed by siliceous microfossil assemblages. Antarctic Science, 1998, 10, 269-285.	0.9	44
87	Morphostructure and evolution of the central and Eastern Bransfield Basins (NW Antarctic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.2	99