

Pere Masque

List of Publications by Year in descending order

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212
papers

10,658
citations

31976

53
h-index

46799

89
g-index

235
all docs

235
docs citations

235
times ranked

9422
citing authors

#	ARTICLE	IF	CITATIONS
1	The future of Blue Carbon science. <i>Nature Communications</i> , 2019, 10, 3998.	12.8	406
2	A marine heatwave drives massive losses from the world's largest seagrass carbon stocks. <i>Nature Climate Change</i> , 2018, 8, 338-344.	18.8	318
3	Chronic and intensive bottom trawling impairs deep-sea biodiversity and ecosystem functioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8861-8866.	7.1	304
4	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223.	3.3	257
5	Submarine groundwater discharge as a major source of nutrients to the Mediterranean Sea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3926-3930.	7.1	247
6	An assessment of particulate organic carbon to thorium-234 ratios in the ocean and their impact on the application of ²³⁴ Th as a POC flux proxy. <i>Marine Chemistry</i> , 2006, 100, 213-233.	2.3	245
7	Sequestration of macroalgal carbon: the elephant in the Blue Carbon room. <i>Biology Letters</i> , 2018, 14, 20180236.	2.3	222
8	Links between iron supply, marine productivity, sea surface temperature, and CO ₂ over the last 1.1 Ma. <i>Paleoceanography</i> , 2009, 24, .	3.0	216
9	Fukushima Daiichi's Derived Radionuclides in the Ocean: Transport, Fate, and Impacts. <i>Annual Review of Marine Science</i> , 2017, 9, 173-203.	11.6	216
10	Impact of seagrass loss and subsequent revegetation on carbon sequestration and stocks. <i>Journal of Ecology</i> , 2015, 103, 296-302.	4.0	199
11	²¹⁰ Pb and ²¹⁰ Po analysis in sediments and soils by microwave acid digestion. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1998, 227, 19-22.	1.5	194
12	Uncertainties associated with ²²³ Ra and ²²⁴ Ra measurements in water via a Delayed Coincidence Counter (RaDeCC). <i>Marine Chemistry</i> , 2008, 109, 198-219.	2.3	163
13	Exponential increase of plastic burial in mangrove sediments as a major plastic sink. <i>Science Advances</i> , 2020, 6, .	10.3	155
14	Australian vegetated coastal ecosystems as global hotspots for climate change mitigation. <i>Nature Communications</i> , 2019, 10, 4313.	12.8	150
15	Assessing the risk of carbon dioxide emissions from blue carbon ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 257-265.	4.0	145
16	A review of present techniques and methodological advances in analyzing ²³⁴ Th in aquatic systems. <i>Marine Chemistry</i> , 2006, 100, 190-212.	2.3	123
17	Reviews and syntheses: ²¹⁰ Pb-derived sediment and carbon accumulation rates in vegetated coastal ecosystems "setting the record straight. <i>Biogeosciences</i> , 2018, 15, 6791-6818.	3.3	121
18	Microplastics and nanoplastics in the marine-atmosphere environment. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 393-405.	29.7	121

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19	Balance and residence times of ²¹⁰ Pb and ²¹⁰ Po in surface waters of the northwestern Mediterranean Sea. <i>Continental Shelf Research</i> , 2002, 22, 2127-2146.	1.8	113
20	Particle fluxes associated with mesoscale eddies in the Sargasso Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 1426-1444.	1.4	111
21	Short-lived U/Th Series Radionuclides in the Ocean: Tracers for Scavenging Rates, Export Fluxes and Particle Dynamics. <i>Reviews in Mineralogy and Geochemistry</i> , 2003, 52, 461-492.	4.8	110
22	Reassessment of ⁹⁰ Sr, ¹³⁷ Cs, and ¹³⁴ Cs in the Coast off Japan Derived from the Fukushima Dai-ichi Nuclear Accident. <i>Environmental Science & Technology</i> , 2016, 50, 173-180.	10.0	106
23	Role of carbonate burial in Blue Carbon budgets. <i>Nature Communications</i> , 2019, 10, 1106.	12.8	105
24	Submarine groundwater discharge as a source of nutrients and trace metals in a Mediterranean bay (Palma Beach, Balearic Islands). <i>Marine Chemistry</i> , 2014, 160, 56-66.	2.3	103
25	⁹⁰ Sr and ⁸⁹ Sr in seawater off Japan as a consequence of the Fukushima Dai-ichi nuclear accident. <i>Biogeosciences</i> , 2013, 10, 3649-3659.	3.3	95
26	Sediment accumulation rates in the southern Barcelona continental margin (NW Mediterranean Sea) derived from ²¹⁰ Pb and ¹³⁷ Cs chronology. <i>Progress in Oceanography</i> , 1999, 44, 313-332.	3.2	91
27	Role of slowly settling particles in the ocean carbon cycle. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	91
28	Low Carbon sink capacity of Red Sea mangroves. <i>Scientific Reports</i> , 2017, 7, 9700.	3.3	87
29	Comparing POC export from ²³⁴ Th/ ²³⁸ U and ²¹⁰ Po/ ²¹⁰ Pb disequilibria with estimates from sediment traps in the northwest Mediterranean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1549-1570.	1.4	86
30	Reversed flow of Atlantic deep water during the Last Glacial Maximum. <i>Nature</i> , 2010, 468, 84-88.	27.8	85
31	Impact of mooring activities on carbon stocks in seagrass meadows. <i>Scientific Reports</i> , 2016, 6, 23193.	3.3	84
32	Using the radium quartet to quantify submarine groundwater discharge and porewater exchange. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 58-73.	3.9	84
33	Impact of Bottom Trawling on Deep-Sea Sediment Properties along the Flanks of a Submarine Canyon. <i>PLoS ONE</i> , 2014, 9, e104536.	2.5	78
34	Heavy metals in particulate matter and sediments in the southern Barcelona sedimentation system (North-western Mediterranean). <i>Marine Chemistry</i> , 1999, 63, 311-329.	2.3	76
35	Accumulation rates of major constituents of hemipelagic sediments in the deep Alboran Sea: a centennial perspective of sedimentary dynamics. <i>Marine Geology</i> , 2003, 193, 207-233.	2.1	76
36	Groundwater and nutrient discharge through karstic coastal springs (<i>Castell</i>, Spain). <i>Biogeosciences</i> , 2010, 7, 2625-2638.	3.3	74

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37	Key biogeochemical factors affecting soil carbon storage in <i>Posidonia</i> meadows. <i>Biogeosciences</i> , 2016, 13, 4581-4594.	3.3	74
38	POC export from ocean surface waters by means of ²³⁴ Th/ ²³⁸ U and ²¹⁰ Po/ ²¹⁰ Pb disequilibria: A review of the use of two radiotracer pairs. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1502-1518.	1.4	73
39	Climate reconstruction for the last two millennia in central Iberia: The role of East Atlantic (EA), North Atlantic Oscillation (NAO) and their interplay over the Iberian Peninsula. <i>Quaternary Science Reviews</i> , 2016, 149, 135-150.	3.0	73
40	Methodological study of submarine groundwater discharge from a karstic aquifer in the Western Mediterranean Sea. <i>Journal of Hydrology</i> , 2012, 464-465, 27-40.	5.4	71
41	A national approach to greenhouse gas abatement through blue carbon management. <i>Global Environmental Change</i> , 2020, 63, 102083.	7.8	69
42	First ²³⁶ U data from the Arctic Ocean and use of ²³⁶ U/ ²³⁸ U and ¹²⁹ I/ ²³⁶ U as a new dual tracer. <i>Earth and Planetary Science Letters</i> , 2016, 440, 127-134.	4.4	66
43	Effect of environmental factors (wave exposure and depth) and anthropogenic pressure in the C sink capacity of <i>Posidonia oceanica</i> meadows. <i>Limnology and Oceanography</i> , 2017, 62, 1436-1450.	3.1	66
44	A first transect of ²³⁶ U in the North Atlantic Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 34-46.	3.9	65
45	11. Short-lived U/Th Series Radionuclides in the Ocean: Tracers for Scavenging Rates, Export Fluxes and Particle Dynamics. , 2003, , 461-492.		64
46	Effect of commercial trawling on the deep sedimentation in a Mediterranean submarine canyon. <i>Marine Geology</i> , 2008, 252, 150-155.	2.1	64
47	Sediment accumulation rates and carbon fluxes to bottom sediments at the Western Bransfield Strait (Antarctica). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 921-933.	1.4	61
48	Contribution of Groundwater Discharge to the Coastal Dissolved Nutrients and Trace Metal Concentrations in Majorca Island: Karstic vs Detrital Systems. <i>Environmental Science & Technology</i> , 2014, 48, 11819-11827.	10.0	60
49	Carbon stocks, sequestration, and emissions of wetlands in south eastern Australia. <i>Global Change Biology</i> , 2018, 24, 4173-4184.	9.5	58
50	Mangroves in arid regions: Ecology, threats, and opportunities. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 248, 106796.	2.1	58
51	An assessment of karstic submarine groundwater and associated nutrient discharge to a Mediterranean coastal area (Balearic Islands, Spain) using radium isotopes. <i>Biogeochemistry</i> , 2010, 97, 211-229.	3.5	56
52	Small phytoplankton drive high summertime carbon and nutrient export in the Gulf of California and Eastern Tropical North Pacific. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1309-1332.	4.9	55
53	Morphobathymetric analysis of the large fine-grained sediment waves over the Gulf of Valencia continental slope (NW Mediterranean). <i>Geomorphology</i> , 2016, 253, 22-37.	2.6	55
54	Estimating submarine groundwater discharge around Isola La Cura, northern Venice Lagoon (Italy), by using the radium quartet. <i>Marine Chemistry</i> , 2008, 109, 292-306.	2.3	54

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55	Nitrogen fixation in the Gulf of California and the Eastern Tropical North Pacific. <i>Progress in Oceanography</i> , 2013, 109, 1-17.	3.2	54
56	Submarine groundwater discharge: A significant source of dissolved trace metals to the North Western Mediterranean Sea. <i>Marine Chemistry</i> , 2016, 186, 90-100.	2.3	54
57	Atmospheric fluxes of ²¹⁰ Pb to the western Mediterranean Sea and the Saharan dust influence. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	53
58	Submarine Groundwater Discharge to the Coastal Environment of a Mediterranean Island (Majorca,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	3.4	53
59	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1998, 105, 439-449.	2.4	52
60	Annual evolution of downward particle fluxes in the Western Bransfield Strait (Antarctica) during the FRUELA project. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 903-920.	1.4	52
61	Investigation of residence time and groundwater flux in Venice Lagoon: comparing radium isotope and hydrodynamical models. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 571-581.	1.7	52
62	Anthropogenic trace metals in the sedimentary record of the Llobregat continental shelf and adjacent Foix Submarine Canyon (northwestern Mediterranean). <i>Marine Geology</i> , 2008, 248, 213-227.	2.1	51
63	Vegetation and landscape dynamics under natural and anthropogenic forcing on the Azores Islands: A 700-year pollen record from the SÃ£o Miguel Island. <i>Quaternary Science Reviews</i> , 2017, 159, 155-168.	3.0	51
64	Some considerations of the ²¹⁰ Pb constant rate of supply (CRS) dating model. <i>Limnology and Oceanography</i> , 2000, 45, 990-995.	3.1	50
65	Exploring the connection between ²¹⁰ Po and organic matter in the northwestern Mediterranean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 415-427.	1.4	50
66	Quantifying groundwater discharge from different sources into a Mediterranean wetland by using ²²² Rn and Ra isotopes. <i>Journal of Hydrology</i> , 2012, 466-467, 11-22.	5.4	48
67	Accumulation of Carbonates Contributes to Coastal Vegetated Ecosystems Keeping Pace With Sea Level Rise in an Arid Region (Arabian Peninsula). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1498-1510.	3.0	48
68	Organic carbon sequestration and storage in vegetated coastal habitats along the western coast of the Arabian Gulf. <i>Environmental Research Letters</i> , 2018, 13, 074007.	5.2	48
69	Seagrass losses since mid-20th century fuelled CO ₂ emissions from soil carbon stocks. <i>Global Change Biology</i> , 2020, 26, 4772-4784.	9.5	48
70	Downward particle fluxes in the Guadiaro submarine canyon depositional system (north-western) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	2.1	47
71	Sea surface temperature variability in the central-western Mediterranean Sea during the last 2700 years: a multi-proxy and multi-record approach. <i>Climate of the Past</i> , 2016, 12, 849-869.	3.4	46
72	Historical record of heavy metals in a highly contaminated Mediterranean deposit: The BesÃ²s prodelta. <i>Marine Chemistry</i> , 1998, 61, 209-217.	2.3	45

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73	Distribution of artificial radionuclides in deep sediments of the Mediterranean Sea. <i>Science of the Total Environment</i> , 2009, 407, 887-898.	8.0	45
74	A methods assessment and recommendations for improving calculations and reducing uncertainties in the determination of ²¹⁰ Po and ²¹⁰ Pb activities in seawater. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 561-571.	2.0	45
75	A single vs. double spike approach to improve the accuracy of ²³⁴ Th measurements in small-volume seawater samples. <i>Marine Chemistry</i> , 2006, 100, 269-281.	2.3	44
76	Atmospheric phosphorus deposition in a near-coastal rural site in the NE Iberian Peninsula and its role in marine productivity. <i>Atmospheric Environment</i> , 2012, 49, 361-370.	4.1	44
77	Particle export within cyclonic Hawaiian lee eddies derived from ²¹⁰ Pb/ ²¹⁰ Po disequilibrium. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 1461-1472.	1.4	43
78	Climate conditions in the westernmost Mediterranean over the last two millennia: An integrated biomarker approach. <i>Organic Geochemistry</i> , 2013, 55, 1-10.	1.8	43
79	Quantification of trace element atmospheric deposition fluxes to the Atlantic Ocean (>40°N); Tj ETQq1 1 0.784314 rgBT /Overlook Papers, 2017, 119, 34-49.	1.4	43
80	Radioactivity contents in dicalcium phosphate and the potential radiological risk to human populations. <i>Journal of Hazardous Materials</i> , 2009, 170, 814-823.	12.4	42
81	Variation of soluble and insoluble calcium in red rains related to dust sources and transport patterns from North Africa to northeastern Spain. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	41
82	Intercalibration studies of ²¹⁰ Po and ²¹⁰ Pb in dissolved and particulate seawater samples. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 776-789.	2.0	41
83	Multiple site study of recent atmospheric metal (Pb, Zn and Cu) deposition in the NW Iberian Peninsula using peat cores. <i>Science of the Total Environment</i> , 2010, 408, 5540-5549.	8.0	40
84	The influence of a metal-enriched mining waste deposit on submarine groundwater discharge to the coastal sea. <i>Marine Chemistry</i> , 2016, 178, 35-45.	2.3	39
85	Dynamics of carbon sources supporting burial in seagrass sediments under increasing anthropogenic pressure. <i>Limnology and Oceanography</i> , 2017, 62, 1451-1465.	3.1	39
86	Marine radioecology after the Fukushima Dai-ichi nuclear accident: Are we better positioned to understand the impact of radionuclides in marine ecosystems?. <i>Science of the Total Environment</i> , 2018, 618, 80-92.	8.0	39
87	Losses of Soil Organic Carbon with Deforestation in Mangroves of Madagascar. <i>Ecosystems</i> , 2021, 24, 1-19.	3.4	39
88	The influence of sediment sources on radium-derived estimates of Submarine Groundwater Discharge. <i>Marine Chemistry</i> , 2015, 171, 107-117.	2.3	38
89	Deep circulation changes in the central South Atlantic during the past 145 kyrs reflected in a combined ²³¹ Pa/ ²³⁰ Th, Neodymium isotope and benthic $\delta^{13}C$ record. <i>Earth</i>	4.4	38
90	Effects of small-scale, shading-induced seagrass loss on blue carbon storage: Implications for management of degraded seagrass ecosystems. <i>Journal of Applied Ecology</i> , 2018, 55, 1351-1359.	4.0	38

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91	Tracing the Three Atlantic Branches Entering the Arctic Ocean With ¹²⁹ I and ²³⁶ U. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6909-6921.	2.6	38
92	Persistence of Biogeochemical Alterations of Deep-Sea Sediments by Bottom Trawling. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091279.	4.0	37
93	Climate imprints during the "Medieval Climate Anomaly"™ and the "Little Ice Age"™ in marine records from the Alboran Sea basin. <i>Holocene</i> , 2013, 23, 1227-1237.	1.7	36
94	Carbon export fluxes and export efficiency in the central Arctic during the record sea-ice minimum in 2012: a joint ²³⁴ Th/ ²³⁸ U and ²¹⁰ Po/ ²¹⁰ Pb study. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5030-5049.	2.6	36
95	Bioaccumulation record and paleoclimatic significance in the Western Bransfield Strait. The last 2000years. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 935-950.	1.4	35
96	Seagrass sediments reveal the long-term deterioration of an estuarine ecosystem. <i>Global Change Biology</i> , 2016, 22, 1523-1531.	9.5	35
97	High particulate organic carbon export during the decline of a vast diatom bloom in the Atlantic sector of the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 138, 102-115.	1.4	35
98	Potential Releases of ¹²⁹ I, ²³⁶ U, and Pu Isotopes from the Fukushima Dai-ichi Nuclear Power Plants to the Ocean from 2013 to 2015. <i>Environmental Science & Technology</i> , 2017, 51, 9826-9835.	10.0	35
99	Sedimentation of biogenic constituents during the last century in western Bransfield and Gerlache Straits, Antarctica: a relation to currents, primary production, and sea floor relief. <i>Marine Geology</i> , 2004, 209, 265-277.	2.1	34
100	Radionuclides in Arctic sea ice: Tracers of sources, fates and ice transit time scales. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1289-1310.	1.4	34
101	Role of Surface Vegetation in ²¹⁰ Pb-Dating of Peat Cores. <i>Environmental Science & Technology</i> , 2008, 42, 8858-8864.	10.0	34
102	Intercalibration studies of short-lived thorium-234 in the water column and marine particles. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 631-644.	2.0	34
103	Bottom-trawling along submarine canyons impacts deep sedimentary regimes. <i>Scientific Reports</i> , 2017, 7, 43332.	3.3	34
104	Assessing the role of submarine groundwater discharge as a source of Sr to the Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 42-54.	3.9	32
105	Blue carbon stocks, accumulation rates, and associated spatial variability in Brazilian mangroves. <i>Limnology and Oceanography</i> , 2021, 66, 321-334.	3.1	32
106	MedFlux: Investigations of particle flux in the Twilight Zone. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1363-1368.	1.4	31
107	Recent environmental evolution of regenerated salt marshes in the southern Bay of Biscay: Anthropogenic evidences in their sedimentary record. <i>Journal of Marine Systems</i> , 2013, 109-110, S203-S212.	2.1	31
108	Increasing sediment accumulation rates in La Fonera (Palamós) submarine canyon axis and their relationship with bottom trawling activities. <i>Geophysical Research Letters</i> , 2015, 42, 8106-8113.	4.0	31

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109	Reconstruction of centennial-scale fluxes of chemical elements in the Australian coastal environment using seagrass archives. <i>Science of the Total Environment</i> , 2016, 541, 883-894.	8.0	31
110	²¹⁰ Pb Atmospheric Flux and Growth Rates of a Microbial Mat from the Northwestern Mediterranean Sea (Ebro River Delta). <i>Environmental Science & Technology</i> , 1999, 33, 3711-3715.	10.0	30
111	Multitracer study of anthropogenic contamination records in the Camargue, Southern France. <i>Science of the Total Environment</i> , 2004, 320, 63-72.	8.0	30
112	Regional Calibration of Erosion Radiotracers (²¹⁰ Pb and ¹³⁷ Cs): Atmospheric Fluxes to Soils (Northern Tj ETQq0 0.0rgBT /Overlock 10.0	10.0	30
113	Submarine groundwater discharge: Natural radioactivity accumulation in a wetland ecosystem. <i>Marine Chemistry</i> , 2013, 156, 61-72.	2.3	30
114	Chronology of anthropogenic impacts reconstructed from sediment records of trace metals and Pb isotopes in Todos os Santos Bay (NE Brazil). <i>Marine Pollution Bulletin</i> , 2017, 125, 459-471.	5.0	30
115	Identifying instrumental and historical earthquake records in the SW Iberian margin using ²¹⁰ Pb turbidite chronology. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	29
116	Rapid screening of glycerol dialkyl glycerol tetraethers in continental Eurasia samples using HPLC/APCI-ion trap mass spectrometry. <i>Organic Geochemistry</i> , 2007, 38, 161-164.	1.8	29
117	Contrasting biogeochemical cycles of cobalt in the surface western Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1387-1412.	4.9	29
118	Sediment accumulation rates and carbon burial in the bottom sediment in a high-productivity area: Gerlache Strait (Antarctica). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 3275-3287.	1.4	28
119	Chronological reconstruction of metal contamination in the Port of Mañá (Minorca, Spain). <i>Marine Pollution Bulletin</i> , 2011, 62, 1632-1640.	5.0	28
120	Time-series measurements of ²³⁴ Th in water column and sediment trap samples from the northwestern Mediterranean Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1487-1501.	1.4	26
121	Separation and Measurement of Pa, Th, and U Isotopes in Marine Sediments by Microwave-Assisted Digestion and Multiple Collector Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 1914-1919.	6.5	26
122	Anthropogenic ²³⁶ U and ¹²⁹ I in the Mediterranean Sea: First comprehensive distribution and constrain of their sources. <i>Science of the Total Environment</i> , 2017, 593-594, 745-759.	8.0	26
123	Carbon and Nitrogen Sequestration of Melaleuca Floodplain Wetlands in Tropical Australia. <i>Ecosystems</i> , 2020, 23, 454-466.	3.4	26
124	Dispersion and fate of ⁹⁰ Sr in the Northwestern Pacific and adjacent seas: Global fallout and the Fukushima Dai-ichi accident. <i>Science of the Total Environment</i> , 2014, 494-495, 261-271.	8.0	25
125	Expanding Greenland seagrass meadows contribute new sediment carbon sinks. <i>Scientific Reports</i> , 2018, 8, 14024.	3.3	25
126	Spatial distribution of sedimentation-rate increases in Blanes Canyon caused by technification of bottom trawling fleet. <i>Progress in Oceanography</i> , 2018, 169, 241-252.	3.2	25

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127	Deep circulation changes in the South Atlantic since the Last Glacial Maximum from Nd isotope and multi-proxy records. <i>Earth and Planetary Science Letters</i> , 2016, 434, 18-29.	4.4	24
128	Long-term box modelling of ^{137}Cs in the Mediterranean Sea. <i>Journal of Marine Systems</i> , 2002, 33-34, 457-472.	2.1	23
129	Determination of U and Th α -emitters in NORM samples through extraction chromatography by using new and recycled UTEVA resins. <i>Applied Radiation and Isotopes</i> , 2012, 70, 568-573.	1.5	23
130	Understanding the spatio-temporal variability of phytoplankton biomass distribution in a microtidal Mediterranean estuary. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 101, 180-192.	1.4	22
131	Tracing water masses with ^{129}I and ^{236}U in the subpolar North Atlantic along the GEOTRACES GA01 section. <i>Biogeosciences</i> , 2018, 15, 5545-5564.	3.3	22
132	Historical records of mercury deposition in dated sediment cores reveal the impacts of the legacy and present-day human activities in Todos os Santos Bay, Northeast Brazil. <i>Marine Pollution Bulletin</i> , 2019, 145, 396-406.	5.0	22
133	Organic matter contents and degradation in a highly trawled area during fresh particle inputs (Gulf of Mexico). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 1519-1532.	3.3	22
134	Mercury Export Flux in the Arctic Ocean Estimated from $^{234}\text{Th}/^{238}\text{U}$ Disequilibria. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 795-801.	2.7	22
135	Climate change facilitated the early colonization of the Azores Archipelago during medieval times. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
136	Particulate organic carbon- ^{234}Th relationships in particles separated by settling velocity in the northwest Mediterranean Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1519-1532.	1.4	21
137	Numerical Modeling of the Releases of ^{90}Sr from Fukushima to the Ocean: An Evaluation of the Source Term. <i>Environmental Science & Technology</i> , 2013, 47, 12305-12313.	10.0	21
138	Improving the ^{210}Pb -chronology of Pb deposition in peat cores from Chao de Lamoso (NW Spain). <i>Science of the Total Environment</i> , 2013, 443, 597-607.	8.0	21
139	Influence of submarine groundwater discharge on ^{210}Po and ^{210}Pb bioaccumulation in fish tissues. <i>Journal of Environmental Radioactivity</i> , 2016, 155-156, 46-54.	1.7	21
140	Decline of trace metal pollution in the bottom sediments of the Barcelona City continental shelf (NW Mediterranean). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 1519-1532.	8.0	21
141	Dynamics and fate of blue carbon in a mangrove-seagrass seascape: influence of landscape configuration and land-use change. <i>Landscape Ecology</i> , 2021, 36, 1489-1509.	4.2	21
142	Blue carbon drawdown by restored mangrove forests improves with age. <i>Journal of Environmental Management</i> , 2022, 306, 114301.	7.8	21
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