Pere Masque

List of Publications by Year
in descending order

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	Carbon and Nitrogen Stocks and Burial Rates in Intertidal Vegetated Habitats of a Mesotidal Coastal Lagoon. Ecosystems, 2022, 25, 372-386.	3.4	13
2	Effects of bottom trawling on trace metal contamination of sediments along the submarine canyons of the Gulf of Palermo (southwestern Mediterranean). Science of the Total Environment, 2022, 814, 152658.	8.0	6
3	Carbon sequestration is not inhibited by livestock grazing in Danish salt marshes. Limnology and Oceanography, 2022, 67, .	3.1	12
4	Reply to Elias etÂal.: Multiproxy evidence of widespread landscape disturbance in multiple Azorean lakes before the Portuguese arrival. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	2
5	Blue carbon drawdown by restored mangrove forests improves with age. Journal of Environmental Management, 2022, 306, 114301.	7.8	21
6	Wildfires enhance phytoplankton production in tropical oceans. Nature Communications, 2022, 13, 1348.	12.8	15
7	Benthic foraminifera as indicators of recent mixed turbidite-contourite sediment transport system in the Eastern Mediterranean upper continental slope, offshore Israel. Marine Geology, 2022, 445, 106756.	2.1	4
8	Impacts of land-use change and urban development on carbon sequestration in tropical seagrass meadow sediments. Marine Environmental Research, 2022, 176, 105608.	2.5	6
9	Microplastics and nanoplastics in the marine-atmosphere environment. Nature Reviews Earth & Environment, 2022, 3, 393-405.	29.7	121
10	Losses of Soil Organic Carbon with Deforestation in Mangroves of Madagascar. Ecosystems, 2021, 24, 1-19.	3.4	39
11	Mangroves in arid regions: Ecology, threats, and opportunities. Estuarine, Coastal and Shelf Science, 2021, 248, 106796.	2.1	58
12	Blue carbon stocks, accumulation rates, and associated spatial variability in Brazilian mangroves. Limnology and Oceanography, 2021, 66, 321-334.	3.1	32
13	Dynamics and fate of blue carbon in a mangroveâ€“seagrass seascape: influence of landscape configuration and land-use change. Landscape Ecology, 2021, 36, 1489-1509.	4.2	21
14	Seagrass blue carbon stocks and sequestration rates in the Colombian Caribbean. Scientific Reports, 2021, 11, 11067.	3.3	19
15	Quantifying 210Po/210Pb Disequilibrium in Seawater: A Comparison of Two Precipitation Methods With Differing Results. Frontiers in Marine Science, 2021, 8, .	2.5	9
16	Heterogeneous tidal marsh soil organic carbon accumulation among and within temperate estuaries in Australia. Science of the Total Environment, 2021, 787, 147482.	8.0	3
17	Vulnerability of an arid zone coastal wetland landscape to sea level rise and intense storms. Limnology and Oceanography, 2021, 66, 3976-3989.	3.1	7
18	Evidence of large increases in sedimentation rates due to fish trawling in submarine canyons of the Gulf of Palermo (SW Mediterranean). Marine Pollution Bulletin, 2021, 172, 112861.	5.0	9

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19	Persistence of Biogeochemical Alterations of Deepâ€Sea Sediments by Bottom Trawling. Geophysical Research Letters, 2021, 48, e2020GL091279.	4.0	37
20	Climate change facilitated the early colonization of the Azores Archipelago during medieval times. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	22
21	Tidal and Nontidal Marsh Restoration: A Tradeâ€Off Between Carbon Sequestration, Methane Emissions, and Soil Accretion. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006573.	3.0	15
22	Carbon and Nitrogen Sequestration of Melaleuca Floodplain Wetlands in Tropical Australia. Ecosystems, 2020, 23, 454-466.	3.4	26
23	Anthropogenic-induced acceleration of elemental burial rates in blue carbon repositories of the Arabian Gulf. Science of the Total Environment, 2020, 719, 135177.	8.0	18
24	Challenges to select suitable habitats and demonstrate â€˜additionalityâ€™ in Blue Carbon projects: A seagrass case study. Ocean and Coastal Management, 2020, 197, 105295.	4.4	13
25	Distribution and Evolution of Fukushima Dai-ichi derived ¹³⁷Cs, ⁹⁰Sr, and ¹²⁹I in Surface Seawater off the Coast of Japan. Environmental Science & Technology, 2020, 54, 15066-15075.	10.0	20
26	Review of the Scientific and Institutional Capacity of Small Island Developing States in Support of a Bottom-up Approach to Achieve Sustainable Development Goal 14 Targets. Oceans, 2020, 1, 109-132.	1.3	12
27	Sampling Device-Dependence of Prokaryotic Community Structure on Marine Particles: Higher Diversity Recovered by in situ Pumps Than by Oceanographic Bottles. Frontiers in Microbiology, 2020, 11, 1645.	3.5	7
28	Exponential increase of plastic burial in mangrove sediments as a major plastic sink. Science Advances, 2020, 6, .	10.3	155
29	Estimating the Potential Blue Carbon Gains From Tidal Marsh Rehabilitation: A Case Study From South Eastern Australia. Frontiers in Marine Science, 2020, 7, .	2.5	20
30	Seagrass losses since midâ€20th century fuelled CO₂ emissions from soil carbon stocks. Global Change Biology, 2020, 26, 4772-4784.	9.5	48
31	Factors Influencing Carbon Stocks and Accumulation Rates in Eelgrass Meadows Across New England, USA. Estuaries and Coasts, 2020, 43, 2076-2091.	2.2	17
32	Phytoplankton Responses to Climateâ€Induced Warming and Interdecadal Oscillation in Northâ€Western Australia. Paleoceanography and Paleoclimatology, 2020, 35, no.	2.9	8
33	A national approach to greenhouse gas abatement through blue carbon management. Global Environmental Change, 2020, 63, 102083.	7.8	69
34	Mercury Export Flux in the Arctic Ocean Estimated from ²³⁴Th/²³⁸U Disequilibria. ACS Earth and Space Chemistry, 2020, 4, 795-801.	2.7	22
35	Global database of ratios of particulate organic carbon to thorium-234 in the ocean: improving estimates of the biological carbon pump. Earth System Science Data, 2020, 12, 1267-1285.	9.9	20
36	Factors Influencing Carbon Stocks and Accumulation Rates in Eelgrass Meadows Across New England, USA. Estuaries and Coasts, 2020, 43, 2076-2091.	2.2	2

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37	The future of Blue Carbon science. Nature Communications, 2019, 10, 3998.	12.8	406
38	Australian vegetated coastal ecosystems as global hotspots for climate change mitigation. Nature Communications, 2019, 10, 4313.	12.8	150
39	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. Marine Pollution Bulletin, 2019, 145, 396-406.	5.0	22
40	Distribution of 236U in the U.S. GEOTRACES Eastern Pacific Zonal Transect and its use as a water mass tracer. Chemical Geology, 2019, 517, 44-57.	3.3	15
41	Role of carbonate burial in Blue Carbon budgets. Nature Communications, 2019, 10, 1106.	12.8	105
42	The export flux of particulate organic carbon derived from ²¹⁰Poâ•²¹⁰Pb disequilibria along the North Atlantic GEOTRACES GA01 transect: GEOVIDE cruise. Biogeosciences, 2019, 16, 309-327.	3.3	11
43	MDPI Oceans: A New Publication Channel for Open Access Science Focused on the Ocean. Oceans, 2019, 1, 1-5.	1.3	1
44	Organic matter contents and degradation in a highly trawled area during fresh particle inputs (Gulf) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	22
45	Barium during the GEOTRACES GA-04S MedSeA cruise: The Mediterranean Sea Ba budget revisited. Chemical Geology, 2019, 511, 431-440.	3.3	8
46	Seagrass soil archives reveal centennial-scale metal smelter contamination while acting as natural filters. Science of the Total Environment, 2019, 649, 1381-1392.	8.0	17
47	Large sediment waves over the Gulf of Roses upper continental slope (NW Mediterranean). Marine Geology, 2018, 399, 84-96.	2.1	10
48	Accumulation of Carbonates Contributes to Coastal Vegetated Ecosystems Keeping Pace With Sea Level Rise in an Arid Region (Arabian Peninsula). Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1498-1510.	3.0	48
49	Enhancement of sedimentation rates in the Foix Canyon after the renewal of trawling fleets in the early XXIst century. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 132, 51-59.	1.4	9
50	Thorium and protactinium isotopes as tracers of marine particle fluxes and deep water circulation in the Mediterranean Sea. Marine Chemistry, 2018, 199, 12-23.	2.3	15
51	Effects of smallâ€scale, shadingâ€induced seagrass loss on blue carbon storage: Implications for management of degraded seagrass ecosystems. Journal of Applied Ecology, 2018, 55, 1351-1359.	4.0	38
52	A marine heatwave drives massive losses from the worldâ€™s largest seagrass carbon stocks. Nature Climate Change, 2018, 8, 338-344.	18.8	318
53	Marine radioecology after the Fukushima Dai-ichi nuclear accident: Are we better positioned to understand the impact of radionuclides in marine ecosystems?. Science of the Total Environment, 2018, 618, 80-92.	8.0	39
54	Radioactivity in the Marine Environment: Understanding the Basics of Radioactivity. Limnology and Oceanography E-Lectures, 2018, 8, 1-58.	0.6	2

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55	Radioactivity in the Marine Environment: Uranium-Thorium Decay Series. Limnology and Oceanography E-Lectures, 2018, 8, 59-113.	0.6	1
56	Radioactivity in the Marine Environment: Cosmogenic and Anthropogenic Radionuclides. Limnology and Oceanography E-Lectures, 2018, 8, 114-169.	0.6	4
57	Reviews and syntheses: ²¹⁰Pb-derived sediment and carbon accumulation rates in vegetated coastal ecosystems â€“ setting the record straight. Biogeosciences, 2018, 15, 6791-6818.	3.3	121
58	Introduction to the French GEOTRACES North Atlantic Transect (GA01): GEOVIDE cruise. Biogeosciences, 2018, 15, 7097-7109.	3.3	10
59	Distribution of 210Pb and 210Po in the Arctic water column during the 2007 sea-ice minimum: Particle export in the ice-covered basins. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 142, 94-106.	1.4	8
60	Distributions of total and size-fractionated particulate ²¹⁰Po and ²¹⁰Pb activities along the North Atlantic GEOTRACES GA01 transect: GEOVIDE cruise. Biogeosciences, 2018, 15, 5437-5453.	3.3	12
61	Tracing the Three Atlantic Branches Entering the Arctic Ocean With ¹²⁹I and ²³⁶U. Journal of Geophysical Research: Oceans, 2018, 123, 6909-6921.	2.6	38
62	Expanding Greenland seagrass meadows contribute new sediment carbon sinks. Scientific Reports, 2018, 8, 14024.	3.3	25
63	Tracing water masses with ¹²⁹I and ²³⁶U in the subpolar North Atlantic along the GEOTRACES GA01 section. Biogeosciences, 2018, 15, 5545-5564.	3.3	22
64	The GEOTRACES Intermediate Data Product 2017. Chemical Geology, 2018, 493, 210-223.	3.3	257
65	Carbon stocks, sequestration, and emissions of wetlands in south eastern Australia. Global Change Biology, 2018, 24, 4173-4184.	9.5	58
66	Sequestration of macroalgal carbon: the elephant in the Blue Carbon room. Biology Letters, 2018, 14, 20180236.	2.3	222
67	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
68	Organic carbon sequestration and storage in vegetated coastal habitats along the western coast of the Arabian Gulf. Environmental Research Letters, 2018, 13, 074007.	5.2	48
69	Particulate organic carbon export across the Antarctic Circumpolar Current at 10Â°E: Differences between north and south of the Antarctic Polar Front. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 138, 86-101.	1.4	20
70	High particulate organic carbon export during the decline of a vast diatom bloom in the Atlantic sector of the Southern Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 138, 102-115.	1.4	35
71	Assessing the role of submarine groundwater discharge as a source of Sr to the Mediterranean Sea. Geochimica Et Cosmochimica Acta, 2017, 200, 42-54.	3.9	32
72	Vegetation and landscape dynamics under natural and anthropogenic forcing on the Azores Islands: A 700-year pollen record from the SÃ£o Miguel Island. Quaternary Science Reviews, 2017, 159, 155-168.	3.0	51

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73	Decline of trace metal pollution in the bottom sediments of the Barcelona City continental shelf (NW) Tj ETQq1 1 0.784314 rgBT /Ov	8.0	21
74	Assessing the risk of carbon dioxide emissions from blue carbon ecosystems. Frontiers in Ecology and the Environment, 2017, 15, 257-265.	4.0	145
75	Anthropogenic 236U and 129I in the Mediterranean Sea: First comprehensive distribution and constrain of their sources. Science of the Total Environment, 2017, 593-594, 745-759.	8.0	26
76	Effect of environmental factors (wave exposure and depth) and anthropogenic pressure in the C sink capacity of Posidonia oceanica meadows. Limnology and Oceanography, 2017, 62, 1436-1450.	3.1	66
77	Bottom-trawling along submarine canyons impacts deep sedimentary regimes. Scientific Reports, 2017, 7, 43332.	3.3	34
78	Dynamics of carbon sources supporting burial in seagrass sediments under increasing anthropogenic pressure. Limnology and Oceanography, 2017, 62, 1451-1465.	3.1	39
79	Quantification of trace element atmospheric deposition fluxes to the Atlantic Ocean (>40Â°N;) Tj ETQq1 1 0.784314 rgBT /Overlo Papers, 2017, 119, 34-49.	1.4	43
80	Latitudinal distributions of particulate carbon export across the North Western Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 129, 116-130.	1.4	18
81	Chronology of anthropogenic impacts reconstructed from sediment records of trace metals and Pb isotopes in Todos os Santos Bay (NE Brazil). Marine Pollution Bulletin, 2017, 125, 459-471.	5.0	30
82	Low Carbon sink capacity of Red Sea mangroves. Scientific Reports, 2017, 7, 9700.	3.3	87
83	Potential Releases of ¹²⁹I, ²³⁶U, and Pu Isotopes from the Fukushima Dai-ichi Nuclear Power Plants to the Ocean from 2013 to 2015. Environmental Science & Technology, 2017, 51, 9826-9835.	10.0	35
84	Large-Scale Fine-Grained Sediment Waves Over the Gulf of Valencia Continental Slope (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T 0		
85	Using the radium quartet to quantify submarine groundwater discharge and porewater exchange. Geochimica Et Cosmochimica Acta, 2017, 196, 58-73.	3.9	84
86	The influences of the AMO and NAO on the sedimentary infill in an Azores Archipelago lake since ca. 1350 CE. Global and Planetary Change, 2017, 154, 61-74.	3.5	10
87	Fukushima Daiichiâ€"Derived Radionuclides in the Ocean: Transport, Fate, and Impacts. Annual Review of Marine Science, 2017, 9, 173-203.	11.6	216
88	Key biogeochemical factors affecting soil carbon storage in <i>Posidonia</i> meadows. Biogeosciences, 2016, 13, 4581-4594.	3.3	74
89	Sea surface temperature variability in the central-western Mediterranean Sea during the last 2700 years: a multi-proxy and multi-record approach. Climate of the Past, 2016, 12, 849-869.	3.4	46
90	Seagrass sediments reveal the longâ€term deterioration of an estuarine ecosystem. Global Change Biology, 2016, 22, 1523-1531.	9.5	35

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91	Carbon export fluxes and export efficiency in the central Arctic during the record seaâ€ice minimum in 2012: a joint ²³⁴Th/²³⁸U and ²¹⁰Po/²¹⁰Pb study. Journal of Geophysical Research: Oceans, 2016, 121, 5030-5049.	2.6	36
92	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. Quaternary Science Reviews, 2016, 149, 135-150.	3.0	73
93	Rapid determination of 210 Pb and 210 Po in water and application to marine samples. Talanta, 2016, 160, 28-35.	5.5	18
94	Submarine groundwater discharge: A significant source of dissolved trace metals to the North Western Mediterranean Sea. Marine Chemistry, 2016, 186, 90-100.	2.3	54
95	Dose assessment to workers in a dicalcium phosphate production plant. Journal of Environmental Radioactivity, 2016, 165, 182-190.	1.7	3
96	Impact of mooring activities on carbon stocks in seagrass meadows. Scientific Reports, 2016, 6, 23193.	3.3	84
97	The influence of a metal-enriched mining waste deposit on submarine groundwater discharge to the coastal sea. Marine Chemistry, 2016, 178, 35-45.	2.3	39
98	Deep circulation changes in the South Atlantic since the Last Glacial Maximum from Nd isotope and multi-proxy records. Earth and Planetary Science Letters, 2016, 434, 18-29.	4.4	24
99	Reassessment of ⁹⁰Sr, ¹³⁷Cs, and ¹³⁴Cs in the Coast off Japan Derived from the Fukushima Dai-ichi Nuclear Accident. Environmental Science & Technology, 2016, 50, 173-180.	10.0	106
100	Influence of submarine groundwater discharge on 210 Po and 210 Pb bioaccumulation in fish tissues. Journal of Environmental Radioactivity, 2016, 155-156, 46-54.	1.7	21
101	First 236U data from the Arctic Ocean and use of 236U/238U and 129I/236U as a new dual tracer. Earth and Planetary Science Letters, 2016, 440, 127-134.	4.4	66
102	Reconstruction of centennial-scale fluxes of chemical elements in the Australian coastal environment using seagrass archives. Science of the Total Environment, 2016, 541, 883-894.	8.0	31
103	Morphobathymetric analysis of the large fine-grained sediment waves over the Gulf of Valencia continental slope (NW Mediterranean). Geomorphology, 2016, 253, 22-37.	2.6	55
104	Small phytoplankton drive high summertime carbon and nutrient export in the Gulf of California and Eastern Tropical North Pacific. Global Biogeochemical Cycles, 2015, 29, 1309-1332.	4.9	55
105	Increasing sediment accumulation rates in La Fonera (PalamÃ³s) submarine canyon axis and their relationship with bottom trawling activities. Geophysical Research Letters, 2015, 42, 8106-8113.	4.0	31
106	Impact of seagrass loss and subsequent revegetation on carbon sequestration and stocks. Journal of Ecology, 2015, 103, 296-302.	4.0	199
107	The influence of sediment sources on radium-derived estimates of Submarine Groundwater Discharge. Marine Chemistry, 2015, 171, 107-117.	2.3	38
108	Deep circulation changes in the central South Atlantic during the past 145 kyrs reflected in a combined 231Pa/230Th, Neodymium isotope and benthic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Î´</mml:mi><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> record. Earth an	4.4	38

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109	Submarine groundwater discharge as a major source of nutrients to the Mediterranean Sea. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3926-3930.	7.1	247
110	Palaeoclimate and palaeoceanographic conditions in the westernmost Mediterranean over the last millennium: an integrated organic and inorganic approach. Journal of the Geological Society, 2015, 172, 264-271.	2.1	14
111	Impact of Bottom Trawling on Deep-Sea Sediment Properties along the Flanks of a Submarine Canyon. PLoS ONE, 2014, 9, e104536.	2.5	78
112	New insights on the role of sea ice in intercepting atmospheric pollutants using 129 I. Marine Pollution Bulletin, 2014, 89, 180-190.	5.0	2
113	Chronic and intensive bottom trawling impairs deep-sea biodiversity and ecosystem functioning. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8861-8866.	7.1	304
114	Understanding the spatio-temporal variability of phytoplankton biomass distribution in a microtidal Mediterranean estuary. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 101, 180-192.	1.4	22
115	Submarine groundwater discharge as a source of nutrients and trace metals in a Mediterranean bay (Palma Beach, Balearic Islands). Marine Chemistry, 2014, 160, 56-66.	2.3	103
116	Dispersion and fate of 90Sr in the Northwestern Pacific and adjacent seas: Global fallout and the Fukushima Dai-ichi accident. Science of the Total Environment, 2014, 494-495, 261-271.	8.0	25
117	A first transect of 236U in the North Atlantic Ocean. Geochimica Et Cosmochimica Acta, 2014, 133, 34-46.	3.9	65
118	Delineating coastal groundwater discharge processes in a wetland area by means of electrical resistivity imaging, ²²⁴Ra and ²²²Rn. Hydrological Processes, 2014, 28, 2382-2395.	2.6	19
119	Contrasting biogeochemical cycles of cobalt in the surface western Atlantic Ocean. Global Biogeochemical Cycles, 2014, 28, 1387-1412.	4.9	29
120	Contribution of Groundwater Discharge to the Coastal Dissolved Nutrients and Trace Metal Concentrations in Majorca Island: Karstic vs Detrital Systems. Environmental Science & Technology, 2014, 48, 11819-11827.	10.0	60
121	Numerical Modeling of the Releases of 90Sr from Fukushima to the Ocean: An Evaluation of the Source Term. Environmental Science & Technology, 2013, 47, 12305-12313.	10.0	21
122	Submarine groundwater discharge: Natural radioactivity accumulation in a wetland ecosystem. Marine Chemistry, 2013, 156, 61-72.	2.3	30
123	Improving the 210Pb-chronology of Pb deposition in peat cores from Chao de Lamoso (NW Spain). Science of the Total Environment, 2013, 443, 597-607.	8.0	21
124	Climate conditions in the westernmost Mediterranean over the last two millennia: An integrated biomarker approach. Organic Geochemistry, 2013, 55, 1-10.	1.8	43
125	Nitrogen fixation in the Gulf of California and the Eastern Tropical North Pacific. Progress in Oceanography, 2013, 109, 1-17.	3.2	54
126	Recent environmental evolution of regenerated salt marshes in the southern Bay of Biscay: Anthropogenic evidences in their sedimentary record. Journal of Marine Systems, 2013, 109-110, S203-S212.	2.1	31

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127	A methods assessment and recommendations for improving calculations and reducing uncertainties in the determination of ²¹⁰Po and ²¹⁰Pb activities in seawater. Limnology and Oceanography: Methods, 2013, 11, 561-571.	2.0	45
128	Climate imprints during the â€˜Medieval Climate Anomalyâ€™ and the â€˜Little Ice Ageâ€™ in marine records from the Alboran Sea basin. Holocene, 2013, 23, 1227-1237.	1.7	36
129	²²⁶Ra determination via the rate of ²²²Rn ingrowth with the Radium Delayed Coincidence Counter (RaDeCC). Limnology and Oceanography: Methods, 2013, 11, 594-603.	2.0	15
130	Natural and Fukushima-derived radioactivity in macroalgae and mussels along the Japanese shoreline. Biogeosciences, 2013, 10, 3809-3815.	3.3	15
131	⁹⁰Sr and ⁸⁹Sr in seawater off Japan as a consequence of the Fukushima Dai-ichi nuclear accident. Biogeosciences, 2013, 10, 3649-3659.	3.3	95
132	Intercalibration studies of ²¹⁰Po and ²¹⁰Pb in dissolved and particulate seawater samples. Limnology and Oceanography: Methods, 2012, 10, 776-789.	2.0	41
133	Intercalibration studies of shortâ€lived thoriumâ€234 in the water column and marine particles. Limnology and Oceanography: Methods, 2012, 10, 631-644.	2.0	34
134	Intercalibration of selected anthropogenic radionuclides for the GEOTRACES Program. Limnology and Oceanography: Methods, 2012, 10, 590-607.	2.0	5
135	Design Optimization of Membrane Doehlert Uranium for the Preconcentration and Determination by ICPâ€“MS. Procedia Engineering, 2012, 44, 1227-1229.	1.2	0
136	Methodological study of submarine groundwater discharge from a karstic aquifer in the Western Mediterranean Sea. Journal of Hydrology, 2012, 464-465, 27-40.	5.4	71
137	Quantifying groundwater discharge from different sources into a Mediterranean wetland by using 222Rn and Ra isotopes. Journal of Hydrology, 2012, 466-467, 11-22.	5.4	48
138	Comparison of two sequential separation methods for U and Th determination in environmental samples by alpha-particle spectrometry. Radiochimica Acta, 2012, 100, 431-438.	1.2	13
139	Determination of U and Th Î±-emitters in NORM samples through extraction chromatography by using new and recycled UTEVA resins. Applied Radiation and Isotopes, 2012, 70, 568-573.	1.5	23
140	Atmospheric phosphorus deposition in a near-coastal rural site in the NE Iberian Peninsula and its role in marine productivity. Atmospheric Environment, 2012, 49, 361-370.	4.1	44
141	Interception of atmospheric fluxes by Arctic sea ice: Evidence from cosmogenic⁷Be. Journal of Geophysical Research, 2011, 116, .	3.3	15
142	Origin and evolution of groundwater collected by a desalination plant (Tordera, Spain): A multi-isotopic approach. Journal of Hydrology, 2011, 397, 37-46.	5.4	15
143	Chronological reconstruction of metal contamination in the Port of MaÃ³ (Minorca, Spain). Marine Pollution Bulletin, 2011, 62, 1632-1640.	5.0	28
144	Human health risk assessment of environmental and dietary exposure to natural radionuclides in the Catalan stretch of the Ebro River, Spain. Environmental Monitoring and Assessment, 2011, 175, 455-468.	2.7	15

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145	Fluxes of 238U decay series radionuclides in a dicalcium phosphate industrial plant. Journal of Hazardous Materials, 2011, 190, 245-252.	12.4	18
146	Characterisation of the plutonium isotopic composition of a sediment core from Palomares, Spain, by low-energy AMS and alpha-spectrometry. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1273-1276.	1.4	15
147	Submarine Groundwater Discharge to the Coastal Environment of a Mediterranean Island (Majorca,) Tj ETQq1 1 0.784314 rgBT /Over	3.4	53
148	An assessment of karstic submarine groundwater and associated nutrient discharge to a Mediterranean coastal area (Balearic Islands, Spain) using radium isotopes. Biogeochemistry, 2010, 97, 211-229.	3.5	56
149	Arctic Ocean sea ice drift origin derived from artificial radionuclides. Science of the Total Environment, 2010, 408, 3349-3358.	8.0	15
150	Distribution and biokinetic analysis of 210Pb and 210Po in poultry due to ingestion of dicalcium phosphate. Science of the Total Environment, 2010, 408, 4695-4701.	8.0	8
151	Multiple site study of recent atmospheric metal (Pb, Zn and Cu) deposition in the NW Iberian Peninsula using peat cores. Science of the Total Environment, 2010, 408, 5540-5549.	8.0	40
152	Investigation of residence time and groundwater flux in Venice Lagoon: comparing radium isotope and hydrodynamical models. Journal of Environmental Radioactivity, 2010, 101, 571-581.	1.7	52
153	Reversed flow of Atlantic deep water during the Last Glacial Maximum. Nature, 2010, 468, 84-88.	27.8	85
154	Groundwater and nutrient discharge through karstic coastal springs (<i>CastellÃ³</i>, Spain). Biogeosciences, 2010, 7, 2625-2638.	3.3	74
155	Role of slowly settling particles in the ocean carbon cycle. Geophysical Research Letters, 2010, 37, .	4.0	91
156	Distribution of artificial radionuclides in deep sediments of the Mediterranean Sea. Science of the Total Environment, 2009, 407, 887-898.	8.0	45
157	Radioactivity contents in dicalcium phosphate and the potential radiological risk to human populations. Journal of Hazardous Materials, 2009, 170, 814-823.	12.4	42
158	MedFlux: Investigations of particle flux in the Twilight Zone. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1363-1368.	1.4	31
159	Particulate organic carbonâ€“234Th relationships in particles separated by settling velocity in the northwest Mediterranean Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1519-1532.	1.4	21
160	POC export from ocean surface waters by means of 234Th/238U and 210Po/210Pb disequilibria: A review of the use of two radiotracer pairs. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1502-1518.	1.4	73
161	Time-series measurements of 234Th in water column and sediment trap samples from the northwestern Mediterranean Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1487-1501.	1.4	26
162	Separation and Measurement of Pa, Th, and U Isotopes in Marine Sediments by Microwave-Assisted Digestion and Multiple Collector Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2009, 81, 1914-1919.	6.5	26

#	Article	IF	Citations
163	Links between iron supply, marine productivity, sea surface temperature, and CO₂ over the last 1.1 Ma. Paleoceanography, 2009, 24, .	3.0	216
164	Methodology of hydrogeological characterization of deep carbonate aquifers as potential reservoirs of groundwater. Case of study: the Jurassic aquifer of El Maestrazgo (CastellÃ³n, Spain). Environmental Geology, 2008, 54, 521-536.	1.2	14
165	Uncertainties associated with 223Ra and 224Ra measurements in water via a Delayed Coincidence Counter (RaDeCC). Marine Chemistry, 2008, 109, 198-219.	2.3	163
166	Estimating submarine groundwater discharge around Isola La Cura, northern Venice Lagoon (Italy), by using the radium quartet. Marine Chemistry, 2008, 109, 292-306.	2.3	54
167	Anthropogenic trace metals in the sedimentary record of the Llobregat continental shelf and adjacent Foix Submarine Canyon (northwestern Mediterranean). Marine Geology, 2008, 248, 213-227.	2.1	51
168	Effect of commercial trawling on the deep sedimentation in a Mediterranean submarine canyon. Marine Geology, 2008, 252, 150-155.	2.1	64
169	234Th-based carbon export during an ice-edge bloom: Sea-ice algae as a likely bias in data interpretation. Earth and Planetary Science Letters, 2008, 269, 596-604.	4.4	20
170	Particle fluxes associated with mesoscale eddies in the Sargasso Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1426-1444.	1.4	111
171	Particle export within cyclonic Hawaiian lee eddies derived from 210Pbâ€“210Po disequilibrium. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1461-1472.	1.4	43
172	Role of Surface Vegetation in ²¹⁰Pb-Dating of Peat Cores. Environmental Science & Technology, 2008, 42, 8858-8864.	10.0	34
173	Incorporation of [sup 210]Pb and [sup 210]Po to Poultry through the Addition of Dicalcium Phosphate (DCP) to the Diet. AIP Conference Proceedings, 2008, , .	0.4	0
174	Rapid screening of glycerol dialkyl glycerol tetraethers in continental Eurasia samples using HPLC/APCI-ion trap mass spectrometry. Organic Geochemistry, 2007, 38, 161-164.	1.8	29
175	Exploring the connection between 210Po and organic matter in the northwestern Mediterranean. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 415-427.	1.4	50
176	Radionuclides in Arctic sea ice: Tracers of sources, fates and ice transit time scales. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1289-1310.	1.4	34
177	Comparing POC export from 234Th/238U and 210Po/210Pb disequilibria with estimates from sediment traps in the northwest Mediterranean. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1549-1570.	1.4	86
178	Regional Calibration of Erosion Radiotracers (210Pb and137Cs):Â Atmospheric Fluxes to Soils (Northern) Tj ETQq0 0 0 rgBT /Overlock 10	10.0	30
179	Variation of soluble and insoluble calcium in red rains related to dust sources and transport patterns from North Africa to northeastern Spain. Journal of Geophysical Research, 2007, 112, .	3.3	41
180	Late Holocene fine-grained sediments of the Balearic Abyssal Plain, Western Mediterranean Sea. Marine Geology, 2007, 237, 25-36.	2.1	17

#	Article	IF	Citations
181	Atmospheric fluxes of210Pb to the western Mediterranean Sea and the Saharan dust influence. Journal of Geophysical Research, 2006, 111, .	3.3	53
182	Identifying instrumental and historical earthquake records in the SW Iberian margin using210Pb turbidite chronology. Geophysical Research Letters, 2006, 33, .	4.0	29
183	A review of present techniques and methodological advances in analyzing 234Th in aquatic systems. Marine Chemistry, 2006, 100, 190-212.	2.3	123
184	An assessment of particulate organic carbon to thorium-234 ratios in the ocean and their impact on the application of 234Th as a POC flux proxy. Marine Chemistry, 2006, 100, 213-233.	2.3	245
185	A single vs. double spike approach to improve the accuracy of 234Th measurements in small-volume seawater samples. Marine Chemistry, 2006, 100, 269-281.	2.3	44
186	Downward particle fluxes in the Guadiaro submarine canyon depositional system (north-western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	2.1	47
187	Chapter 1 Natural radionuclides applied to coastal zone processes. Radioactivity in the Environment, 2005, , 1-21.	0.2	5
188	Multitracer study of anthropogenic contamination records in the Camargue, Southern France. Science of the Total Environment, 2004, 320, 63-72.	8.0	30
189	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. Marine Geology, 2004, 209, 265-277.	2.1	34
190	Short-lived U/Th Series Radionuclides in the Ocean: Tracers for Scavenging Rates, Export Fluxes and Particle Dynamics. Reviews in Mineralogy and Geochemistry, 2003, 52, 461-492.	4.8	110
191	Concentrations of plutonium and americium in plankton from the western Mediterranean Sea. Science of the Total Environment, 2003, 311, 233-245.	8.0	18
192	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
193	The Role of Sea Ice in the Fate of Contaminants in the Arctic Ocean:Â Plutonium Atom Ratios in the Fram Strait. Environmental Science & Technology, 2003, 37, 4848-4854.	10.0	17
194	Meso and small-scale variations of 210Pb fluxes on the Northwestern Mediterranean continental margins. Continental Shelf Research, 2003, 23, 693-715.	1.8	13
195	11. Short-lived U/Th Series Radionuclides in the Ocean: Tracers for Scavenging Rates, Export Fluxes and Particle Dynamics. , 2003, , 461-492.		64
196	Pollutant lad sources and deposition in the Western Mediterranean. European Physical Journal Special Topics, 2003, 107, 875-878.	0.2	1
197	Annual evolution of downward particle fluxes in the Western Bransfield Strait (Antarctica) during the FRUELA project. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 903-920.	1.4	52
198	Sediment accumulation rates and carbon fluxes to bottom sediments at the Western Bransfield Strait (Antarctica). Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 921-933.	1.4	61

#	Article	IF	Citations
199	Bioaccumulation record and paleoclimatic significance in the Western Bransfield Strait. The last 2000years. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 935-950.	1.4	35
200	Sediment accumulation rates and carbon burial in the bottom sediment in a high-productivity area: Gerlache Strait (Antarctica). Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 3275-3287.	1.4	28
201	Balance and residence times of 210Pb and 210Po in surface waters of the northwestern Mediterranean Sea. Continental Shelf Research, 2002, 22, 2127-2146.	1.8	113
202	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
203	Long-term box modelling of 137Cs in the Mediterranean Sea. Journal of Marine Systems, 2002, 33-34, 457-472.	2.1	23
204	Downward particle fluxes and sediment accumulation rates in the western Bransfield Strait: Implications of lateral transport for carbon cycle studies in Antarctic marginal seas. Journal of Marine Research, 2002, 60, 347-365.	0.3	19
205	Biotracers and geotracers of depositional events in NW Mediterranean margin over the past two centuries. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2001, 24, 581-597.	0.7	7
206	Some considerations of the ²¹⁰Pb constant rate of supply (CRS) dating model. Limnology and Oceanography, 2000, 45, 990-995.	3.1	50
207	Heavy metals in particulate matter and sediments in the southern Barcelona sedimentation system (North-western Mediterranean). Marine Chemistry, 1999, 63, 311-329.	2.3	76
208	Sediment accumulation rates in the southern Barcelona continental margin (NW Mediterranean Sea) derived from 210Pb and 137Cs chronology. Progress in Oceanography, 1999, 44, 313-332.	3.2	91
209	210Pb Atmospheric Flux and Growth Rates of a Microbial Mat from the Northwestern Mediterranean Sea (Ebro River Delta). Environmental Science & Technology, 1999, 33, 3711-3715.	10.0	30
210	Title is missing!. Water, Air, and Soil Pollution, 1998, 105, 439-449.	2.4	52
211	210Pb and210Po analysis in sediments and soils by microwave acid digestion. Journal of Radioanalytical and Nuclear Chemistry, 1998, 227, 19-22.	1.5	194
212	Historical record of heavy metals in a highly contaminated Mediterranean deposit: The BesÃ²s prodelta. Marine Chemistry, 1998, 61, 209-217.	2.3	45