Fiz Fernandez Perez

List of Publications by Year
in descending order

181 papers	9,067 citations	38660 50 h-index	53109 85 g-index

233 all docs	233 docs citations	233 times ranked	7961 citing authors

#	Article	IF	Citations
1	Global Carbon Budget 2015. Earth System Science Data, 2015, 7, 349-396.	3.7	616
2	The oceanic sink for anthropogenic CO ₂ from 1994 to 2007. Science, 2019, 363, 1193-1199.	6.0	505
3	The Global Ocean Data Analysis Project version 2 (GLODAPv2) â€“ an internally consistent data product for the world ocean. Earth System Science Data, 2016, 8, 297-323.	3.7	424
4	A new global interior ocean mapped climatology: the 1Â°â€“Ã—â€‰â€“1Â° GLODAP version 2. Earth System Science Data, 2016, 8, 325-340.	3.7	284
5	Water masses in the upper and middle North Atlantic Ocean east of the Azores. Deep-sea Research Part A, Oceanographic Research Papers, 1992, 39, 645-658.	1.6	233
6	Vivaldi 1991 - A study of the formation, circulation and ventilation of Eastern North Atlantic Central Water. Progress in Oceanography, 1996, 37, 167-192.	1.5	214
7	Seasonal Patterns and Long-term Trends in an Estuarine Upwelling Ecosystem (RÄ±Ìa de Vigo, NW Spain). Estuarine, Coastal and Shelf Science, 1997, 44, 285-300.	0.9	177
8	The Portugal coastal counter current off NW Spain: new insights on its biogeochemical variability. Progress in Oceanography, 2003, 56, 281-321.	1.5	162
9	A uniform, quality controlled Surface Ocean CO₂ Atlas (SOCAT). Earth System Science Data, 2013, 5, 125-143.	3.7	158
10	Hydrographic variability off the RÃas Baixas (NW Spain) during the upwelling season. Journal of Geophysical Research, 1993, 98, 14447-14455.	3.3	156
11	Microbial and photochemical reactivity of fluorescent dissolved organic matter in a coastal upwelling system. Limnology and Oceanography, 2006, 51, 1391-1400.	1.6	145
12	Surface Waters of the NW Iberian Margin: Upwelling on the Shelf versus Outwelling of Upwelled Waters from the RÄ±Ìas Baixas. Estuarine, Coastal and Shelf Science, 2000, 51, 821-837.	0.9	143
13	Alkalinity determination by potentiometry: intercalibration using three different methods. Ciencias Marinas, 2000, 26, 23-27.	0.4	131
14	Association constant of fluoride and hydrogen ions in seawater. Marine Chemistry, 1987, 21, 161-168.	0.9	125
15	The northern North Atlantic Ocean mean circulation in the early 21st century. Progress in Oceanography, 2016, 146, 142-158.	1.5	124
16	Anthropogenic carbon distributions in the Atlantic Ocean: data-based estimates from the Arctic to the Antarctic. Biogeosciences, 2009, 6, 439-451.	1.3	121
17	A precise and rapid analytical procedure for alkalinity determination. Marine Chemistry, 1987, 21, 169-182.	0.9	118
18	Plankton response to weakening of the Iberian coastal upwelling. Global Change Biology, 2010, 16, 1258-1267.	4.2	103

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19	GLODAPv2.2019 â€“ an update of GLODAPv2. Earth System Science Data, 2019, 11, 1437-1461.	3.7	102
20	Atlantic Ocean CO2 uptake reduced by weakening of the meridional overturning circulation. Nature Geoscience, 2013, 6, 146-152.	5.4	101
21	Surface Ocean CO₂ Atlas (SOCAT) gridded data products. Earth System Science Data, 2013, 5, 145-153.	3.7	101
22	A decrease in the sink for atmospheric CO2in the North Atlantic. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	92
23	Nitrogen cycling in an estuarine upwelling system, the RÃa de Arousa (NW Spain). I. Short-time-scale patterns of hydrodynamic and biogeochemical circulation. Marine Ecology - Progress Series, 1996, 135, 259-273.	0.9	89
24	A Non-stationary Box Model to Determine Residual Fluxes in a Partially Mixed Estuary, Based on Both Thermohaline Properties: Application to the Ria de Arousa (NW Spain). Estuarine, Coastal and Shelf Science, 1997, 44, 249-262.	0.9	84
25	New production of the NW Iberian shelf during the upwelling season over the period 1982â€“1999. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 1725-1739.	0.6	84
26	Nutrient mineralization patterns in shelf waters of the Western Iberian upwelling. Continental Shelf Research, 1997, 17, 1247-1270.	0.9	82
27	Evolution of upwelling systems coupled to the long-term variability in sea surface temperature and Ekman transport. Climate Research, 2011, 48, 231-246.	0.4	81
28	The pH measurements in seawater on the NBS scale. Marine Chemistry, 1987, 21, 315-327.	0.9	78
29	Atlantic forcing of the Mediterranean oligotrophy. Global Biogeochemical Cycles, 2012, 26, .	1.9	77
30	An updated version of the global interior ocean biogeochemical data product, GLODAPv2.2020. Earth System Science Data, 2020, 12, 3653-3678.	3.7	76
31	Displacement of water masses and remineralization rates off the Iberian Peninsula by nutrient anomalies. Journal of Marine Research, 1993, 51, 869-892.	0.3	75
32	The Atlantic Meridional Overturning Circulation and the subpolar gyre observed at the A25-OVIDE section in June 2002 and 2004. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1374-1391.	0.6	73
33	Net ecosystem production of dissolved organic carbon in a coastal upwelling system: the RÃa de Vigo, Iberian margin of the North Atlantic. Limnology and Oceanography, 2001, 46, 135-146.	1.6	71
34	Dissolved organic matter in a temperate embayment affected by coastal upwelling. Marine Ecology - Progress Series, 1997, 157, 21-37.	0.9	71
35	Modeling the residual circulation of a coastal embayment affected by wind-driven upwelling: Circulation of the RÃa de Vigo (NW Spain). Journal of Geophysical Research, 2003, 108, .	3.3	70
36	Structure, transports and transformations of the water masses in the Atlantic Subpolar Gyre. Progress in Oceanography, 2015, 135, 18-36.	1.5	69

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37	Coupling between the Iberian basin â€" scale circulation and the Portugal boundary current system: a chemical study. Deep-Sea Research Part I: Oceanographic Research Papers, 2001, 48, 1519-1533.	0.6	68
38	Hydrographic conditions associated with the relaxation of an upwelling event off the Galician Coast (NW Spain). Journal of Geophysical Research, 1994, 99, 5135.	3.3	67
39	Decadal changes of the Î¸â^'S relationship of the Eastern North Atlantic Central Water. Deep-Sea Research Part I: Oceanographic Research Papers, 1995, 42, 1849-1864.	0.6	67
40	Transports and budgets of total inorganic carbon in the subpolar and temperate North Atlantic. Global Biogeochemical Cycles, 2003, 17, 2-1-2-21.	1.9	67
41	Meridional overturning circulation conveys fast acidification to the deep Atlantic Ocean. Nature, 2018, 554, 515-518.	13.7	64
42	Dissolved and particulate organic carbon and nitrogen in the Northwestern Mediterranean. Deep-Sea Research Part I: Oceanographic Research Papers, 1999, 46, 511-527.	0.6	63
43	DOM fluorescence, a tracer for biogeochemical processes in a coastal upwelling system (NW Iberian) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	63
44	Anthropogenic and natural CO₂ exchange through the Strait of Gibraltar. Biogeosciences, 2009, 6, 647-662.	1.3	62
45	Water masses distribution in the Southern Ocean: Improvement of an extended OMP (eOMP) analysis. Progress in Oceanography, 2012, 103, 92-105.	1.5	60
46	The Global Ocean Ship-Based Hydrographic Investigations Program (GO-SHIP): A Platform for Integrated Multidisciplinary Ocean Science. Frontiers in Marine Science, 2019, 6, .	1.2	60
47	Transient hydrographic and chemical conditions affecting microplankton populations in the coastal transition zone of the Iberian upwelling system (NW Spain) in September 1986. Journal of Marine Research, 1997, 55, 321-352.	0.3	59
48	Chemical characterisation and modelling of water masses in the Northeast Atlantic. Progress in Oceanography, 1998, 41, 249-279.	1.5	58
49	Mixing analysis of nutrients, oxygen and inorganic carbon in the Canary Islands region. Journal of Marine Systems, 2001, 28, 183-201.	0.9	57
50	Title is missing!. Scientia Marina, 1998, 62, .	0.3	54
51	An updated version of the global interior ocean biogeochemical data product, GLODAPv2.2021. Earth System Science Data, 2021, 13, 5565-5589.	3.7	54
52	Dissolved organic matter in shelf waters off the RÄ±Ìa de Vigo (NW Iberian upwelling system). Journal of Marine Systems, 1999, 18, 383-394.	0.9	51
53	Improvements on the back-calculation technique for estimating anthropogenic CO2. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 859-875.	0.6	48
54	Unaccounted role of Mediterranean Water in the drawdown of anthropogenic carbon. Journal of Geophysical Research, 2005, 110, .	3.3	47

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55	Trends of anthropogenic CO₂ storage in North Atlantic water masses. Biogeosciences, 2010, 7, 1789-1807.	1.3	46
56	Trends of pH decrease in the Mediterranean Sea through high frequency observational data: indication of ocean acidification in the basin. Scientific Reports, 2015, 5, 16770.	1.6	46
57	Decadal acidification in the water masses of the Atlantic Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9950-9955.	3.3	46
58	Variation of Both Thermohaline and Chemical Properties in an Estuarine Upwelling Ecosystem: Ria de Arousa; I. Time Evolution. Estuarine, Coastal and Shelf Science, 1995, 41, 195-213.	0.9	44
59	Carbon distribution, fluxes, and budgets in the subtropical North Atlantic Ocean (24.5Â°N). Journal of Geophysical Research, 2003, 108, .	3.3	44
60	Temporal variability of the anthropogenic CO₂ storage in the Irminger Sea. Biogeosciences, 2008, 5, 1669-1679.	1.3	44
61	New insights on the mineralization of dissolved organic matter in central, intermediate, and deep water masses of the northeast North Atlantic. Limnology and Oceanography, 2013, 58, 681-696.	1.6	43
62	Physical and biogeochemical transports structure in the North Atlantic subpolar gyre. Journal of Geophysical Research, 2004, 109, .	3.3	42
63	Nutrient utilisation and chlorophyll distribution in the Atlantic sector of the Southern Ocean during Austral summer 1995â€“96. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 623-641.	0.6	41
64	Water mass distributions and transports for the 2014 GEOVIDE cruise in the North Atlantic. Biogeosciences, 2018, 15, 2075-2090.	1.3	41
65	Light and productivity of Antarctic phytoplankton during austral summer in an ice edge region in the Weddell-Scotia Sea. Journal of Plankton Research, 1994, 16, 233-253.	0.8	39
66	An update of anthropogenic CO2 storage rates in the western South Atlantic basin and the role of Antarctic Bottom Water. Journal of Marine Systems, 2012, 94, 197-203.	0.9	39
67	Coupling between the thermohaline, chemical and biological fields during two contrasting upwelling events off the NW Iberian Peninsula. Continental Shelf Research, 2000, 20, 189-210.	0.9	37
68	Improvements in a fast potentiometric seawater alkalinity determination. Ciencias Marinas, 2000, 26, 463-478.	0.4	36
69	Computing optimum estuarine residual fluxes with a multiparameter inverse method (OERFIM): Application to the Ria de Vigo (NW Spain). Journal of Geophysical Research, 2001, 106, 31303-31318.	3.3	35
70	Air-Sea CO₂ fluxes in the Atlantic as measured during boreal spring and autumn. Biogeosciences, 2010, 7, 1587-1606.	1.3	35
71	Processes Driving Global Interior Ocean pH Distribution. Global Biogeochemical Cycles, 2020, 34, e2019GB006229.	1.9	35
72	Stoichiometry of the net ecosystem metabolism in a coastal inlet affected by upwelling. The RÄ±Ìa de Arousa (NW Spain). Marine Chemistry, 2000, 69, 217-236.	0.9	33

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73	Carbon cycling in a large coastal embayment, affected by wind-driven upwelling:short-time-scale variability and spatial differences. Marine Ecology - Progress Series, 1999, 176, 215-230.	0.9	33
74	Determination of nutrient salts by automatic methods both in seawater and brackish water: the phosphate blank. Marine Chemistry, 1992, 39, 311-319.	0.9	32
75	Long-term (1977â€“1997) measurements of carbon dioxide in the Eastern North Atlantic: evaluation of anthropogenic input. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 2227-2239.	0.6	32
76	Dissolved organic carbon distributions in the Bransfield and Gerlache Straits, Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 663-674.	0.6	32
77	Total alkalinity estimation using MLR and neural network techniques. Journal of Marine Systems, 2013, 111-112, 11-18.	0.9	32
78	Climatological coupling of the thermohaline decadal changes in Central Water of the Eastern North Atlantic. Scientia Marina, 2000, 64, 347-353.	0.3	32
79	Sea surface carbon dioxide off the Iberian Peninsula (North Eastern Atlantic Ocean). Journal of Marine Systems, 1999, 19, 27-46.	0.9	31
80	Organic matter distributions in the Eastern North Atlanticâ€“Azores Front region. Journal of Marine Systems, 2001, 30, 33-49.	0.9	31
81	Anthropogenic carbon inventory in the Gulf of CÃ¡diz. Journal of Marine Systems, 2012, 92, 67-75.	0.9	31
82	Anthropogenic CO2 estimates in the Southern Ocean: Storage partitioning in the different water masses. Progress in Oceanography, 2014, 120, 230-242.	1.5	31
83	Dissolved Organic Carbon in the North Atlantic Meridional Overturning Circulation. Scientific Reports, 2016, 6, 26931.	1.6	31
84	A global monthly climatology of total alkalinity: a neural network approach. Earth System Science Data, 2019, 11, 1109-1127.	3.7	31
85	Spatio-temporal variability of the thermohaline and biogeochemical properties and dissolved organic carbon in a coastal embayment affected by upwelling: the RÃa de Vigo (NW Spain). Journal of Marine Systems, 1998, 14, 135-150.	0.9	30
86	Physical and biogeochemical fluxes and net budgets in the subpolar and temperate North Atlantic. Journal of Marine Research, 2002, 60, 191-226.	0.3	29
87	Short-term variability of fCO2 in seawater and airâ€“sea CO2 fluxes in a coastal upwelling system (RÄ±Ìa) Tj ETQq1 1 0.784314 rgBT /	0.9	29
88	Nutrient mineralization rates and ratios in the eastern South Atlantic. Journal of Geophysical Research, 2004, 109, .	3.3	29
89	The GEOVIDE cruise in Mayâ€“JuneÂ2014 reveals an intense Meridional Overturning Circulation over a cold and fresh subpolar North Atlantic. Biogeosciences, 2017, 14, 5323-5342.	1.3	29
90	Mercury distribution and transport in the North Atlantic Ocean along the GEOTRACES-GA01 transect. Biogeosciences, 2018, 15, 2309-2323.	1.3	29

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91	Stoichiometry of the degradation of dissolved and particulate biogenic organic matter in the NW Iberian upwelling. Journal of Geophysical Research, 2006, 111, .	3.3	27
92	Exchange fluxes between the RÃa de Vigo and the shelf: A bidirectional flow forced by remote wind. Journal of Geophysical Research, 2007, 112, .	3.3	27
93	Global Ocean Spectrophotometric pH Assessment: Consistent Inconsistencies. Environmental Science & Technology, 2020, 54, 10977-10988.	4.6	27
94	Surface fCO2 variability in the Loire plume and adjacent shelf waters: High spatio-temporal resolution study using ships of opportunity. Marine Chemistry, 2010, 118, 108-118.	0.9	26
95	Observed acidification trends in North Atlantic water masses. Biogeosciences, 2012, 9, 5217-5230.	1.3	26
96	Airâ€"sea CO2 fluxes in a coastal embayment affected by upwelling: physical versus biological control. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 1999, 22, 499-515.	0.7	25
97	The ²²⁶Raâ€"Ba relationship in the North Atlantic during GEOTRACES-GA01. Biogeosciences, 2018, 15, 3027-3048.	1.3	25
98	Stoichiometric variations of N P, C and O during a Gymnodinium catenation rod tide and their Interpretation. Marine Ecology - Progress Series, 1992, 87, 123-134.	0.9	25
99	The carbonic system distribution and fluxes in the NE Atlantic during Spring 1991. Progress in Oceanography, 1995, 35, 295-314.	1.5	24
100	Large and mesoscale variability of the water masses and the deep chlorophyll maximum in the Azores Front. Journal of Geophysical Research, 2003, 108, .	3.3	24
101	Short-time scale coupling between thermohaline and meteorological forcing in the RÃa de Pontevedra. Scientia Marina, 2001, 65, 229-240.	0.3	24
102	Modelling Thermohaline Properties in an Estuarine Upwelling Ecosystem (RÄ±a de Vigo: NW Spain) Using Box-Jenkins Transfer Function Models. Estuarine, Coastal and Shelf Science, 1997, 44, 685-702.	0.9	23
103	Mixing analysis of nutrients, oxygen and dissolved inorganic carbon in the upper and middle North Atlantic ocean east of the Azores. Journal of Marine Systems, 1998, 16, 219-233.	0.9	23
104	On the Mediterranean Water Composition. Journal of Physical Oceanography, 2016, 46, 1339-1358.	0.7	23
105	CARINA alkalinity data in the Atlantic Ocean. Earth System Science Data, 2009, 1, 45-61.	3.7	22
106	A global monthly climatology of oceanic total dissolved inorganic carbon: a neural network approach. Earth System Science Data, 2020, 12, 1725-1743.	3.7	22
107	Seasonal dynamics in the Azoresâ€"Gibraltar Strait region: A climatologically-based study. Progress in Oceanography, 2014, 122, 116-130.	1.5	21
108	Ocean acidification in the subpolar North Atlantic: rates and mechanisms controlling pH changes. Biogeosciences, 2016, 13, 3701-3715.	1.3	21

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109	Sources, cycling and transfer of mercury in the Labrador Sea (Geotraces-Geovide cruise). Marine Chemistry, 2018, 198, 64-69.	0.9	21
110	Assessing the contrasting fate of dissolved and suspended organic carbon in a coastal upwelling system (â€˜RÄ±a de Vigoâ€™, NW Iberian Peninsula). Estuarine, Coastal and Shelf Science, 2003, 56, 271-279.	0.9	20
111	Local remineralization patterns in the mesopelagic zone of the Eastern North Atlantic, off the NW Iberian Peninsula. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 1925-1940.	0.6	20
112	The subsurface layer reference to calculate preformed alkalinity and airâ€“sea CO2 disequilibrium in the Atlantic Ocean. Journal of Marine Systems, 2012, 94, 52-63.	0.9	20
113	Carbon dioxide along WOCE line A14: Water masses characterization and anthropogenic entry. Journal of Geophysical Research, 2003, 108, .	3.3	18
114	Anthropogenic carbon dioxide in the South Atlantic western basin. Journal of Marine Systems, 2010, 83, 38-44.	0.9	18
115	Cycling of dissolved and particulate carbohydrates in a coastal upwelling system (NW Iberian) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	18
116	Modelling Nutrients and ChlorophyllaTime Series in an Estuarine Upwelling Ecosystem (RÄ±a de Vigo:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	17
117	Surface CO2 measurements in the English Channel and Southern Bight of North Sea using voluntary observing ships. Journal of Marine Systems, 2007, 66, 297-308.	0.9	17
118	Consistency of cruise data of the CARINA database in the Atlantic sector of the Southern Ocean. Earth System Science Data, 2009, 1, 63-75.	3.7	17
119	Chemical properties of the deep winter mixed layer in the Northeast Atlantic (40â€“47Â°N). Journal of Marine Systems, 2005, 54, 115-125.	0.9	16
120	Mass, nutrient and oxygen budgets for the northeastern Atlantic Ocean. Biogeosciences, 2012, 9, 4099-4113.	1.3	16
121	CARINA data synthesis project: pH data scale unification and cruise adjustments. Earth System Science Data, 2010, 2, 133-155.	3.7	16
122	Best Practice Data Standards for Discrete Chemical Oceanographic Observations. Frontiers in Marine Science, 2022, 8, .	1.2	16
123	Seasonal sea-surface carbon dioxide in the Azores area. Marine Chemistry, 2005, 96, 35-51.	0.9	15
124	Hydrodynamic characterization and performance of an autonomous benthic chamber for use in coastal systems. Limnology and Oceanography: Methods, 2008, 6, 558-571.	1.0	15
125	Trends in anthropogenic CO2 in water masses of the Subtropical North Atlantic Ocean. Progress in Oceanography, 2015, 131, 21-32.	1.5	15
126	Behavioural responses to predators in Mediterranean mussels (Mytilus galloprovincialis) are unaffected by elevated pCO2. Marine Environmental Research, 2020, 161, 105148.	1.1	15

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127	Estimation of airâ€“sea CO2 fluxes in the Bay of Biscay based on empirical relationships and remotely sensed observations. Journal of Marine Systems, 2009, 75, 280-289.	0.9	14
128	Using altimetry to help explain patchy changes in hydrographic carbon measurements. Journal of Geophysical Research, 2009, 114, .	3.3	14
129	Nitrous oxide and methane in Atlantic and Mediterranean waters in the Strait of Gibraltar: Air-sea fluxes and inter-basin exchange. Progress in Oceanography, 2015, 138, 18-31.	1.5	14
130	Spatio-temporal variability and controls on methane and nitrous oxide in the Guadalquivir Estuary, Southwestern Europe. Aquatic Sciences, 2018, 80, 1.	0.6	14
131	Inorganic carbon and water masses in the Irminger Sea sinceÂ1991. Biogeosciences, 2018, 15, 51-72.	1.3	14
132	Decadal acidification in Atlantic and Mediterranean water masses exchanging at the Strait of Gibraltar. Scientific Reports, 2019, 9, 15533.	1.6	14
133	Anthropogenic carbon changes in the Irminger Basin (1981â€“2006): Coupling Î´13CDIC and DIC observations. Journal of Marine Systems, 2013, 126, 24-32.	0.9	13
134	Effect of upwelling pulses on excess carbohydrate synthesis as deduced from nutrient, carbon dioxide and oxygen profiles. Marine Ecology - Progress Series, 1999, 189, 65-75.	0.9	13
135	Succession of phytoplankton assemblages in relation to estuarine hydrodynamics in the RÃa de Vigo: a box-model approach. Scientia Marina, 2001, 65, 65-76.	0.3	13
136	fCO2sw variability in the Bay of Biscay during ECO cruises. Continental Shelf Research, 2008, 28, 904-914.	0.9	12
137	Variability of the transport of anthropogenic CO₂ at the Greenlandâ€“Portugal OVIDE section: controlling mechanisms. Biogeosciences, 2014, 11, 2375-2389.	1.3	12
138	Quasi-synoptic transport, budgets and water mass transformation in the Azoresâ€“Gibraltar Strait region during summer 2009. Progress in Oceanography, 2015, 130, 47-64.	1.5	12
139	Ventilation versus biology: What is the controlling mechanism of nitrous oxide distribution in the North Atlantic?. Global Biogeochemical Cycles, 2017, 31, 745-760.	1.9	12
140	Evolution of ²³¹Pa and ²³⁰Th in overflow waters of the North Atlantic. Biogeosciences, 2018, 15, 7299-7313.	1.3	12
141	The Mediterranean mussel Mytilus galloprovincialis: responses to climate change scenarios as a function of the original habitat. , 2021, 9, coaa114.		12
142	Atmospheric CO2 measurements and error analysis on seasonal airâ€“sea CO2 fluxes in the Bay of Biscay. Journal of Marine Systems, 2007, 66, 285-296.	0.9	11
143	A vision for FAIR ocean data products. Communications Earth & Environment, 2021, 2, .	2.6	11
144	Anthropogenic CO2 and ocean acidification in Argentine Basin Water Masses over almost five decades of observations. Science of the Total Environment, 2021, 779, 146570.	3.9	11

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145	A multiparametric method of interpolation using WOA05 applied to anthropogenic CO₂ in the Atlantic. Scientia Marina, 2010, 74, 21-32.	0.3	11
146	Spectrophotometric Measurements of the Carbonate Ion Concentration: Aragonite Saturation States in the Mediterranean Sea and Atlantic Ocean. Environmental Science & Technology, 2015, 49, 11679-11687.	4.6	10
147	Introduction to the French GEOTRACES North Atlantic Transect (GA01): GEOVIDE cruise. Biogeosciences, 2018, 15, 7097-7109.	1.3	10
148	Dissolved inorganic carbon budgets in the eastern subpolar North Atlantic in the 2000s from in situ data. Geophysical Research Letters, 2015, 42, 9853-9861.	1.5	9
149	Transports and budgets of anthropogenic <scp>CO₂</scp> in the tropical <scp>North Atlantic</scp> in 1992â€“1993 and 2010â€“2011. Global Biogeochemical Cycles, 2015, 29, 1075-1091.	1.9	9
150	Temporal changes in the water mass distribution and transports along the 20ÂºW CAIBOX section (NE) Tj ETQq0 0 0 rgBT /Overlock 10	0.4	9
151	CO2 airâ€“sea disequilibrium and preformed alkalinity in the Pacific and Indian oceans calculated from subsurface layer data. Journal of Marine Systems, 2011, 84, 67-77.	0.9	8
152	ARIOS: a database for ocean acidification assessment in the Iberian upwelling system (1976â€“2018). Earth System Science Data, 2020, 12, 2647-2663.	3.7	8
153	Oceanic CO2 uptake and biogeochemical variability during the formation of the Eastern North Atlantic Central water under two contrasting NAO scenarios. Journal of Marine Systems, 2011, 84, 96-105.	0.9	7
154	Ocean acidification along the 24.5Â°N section in the subtropical North Atlantic. Geophysical Research Letters, 2015, 42, 450-458.	1.5	7
155	Transport and storage of anthropogenic C in the North Atlantic Subpolar Ocean. Biogeosciences, 2018, 15, 4661-4682.	1.3	7
156	Nutrient depletion and particulate matter near the iceedge in the Weddell Sea. Marine Ecology - Progress Series, 1994, 112, 143-153.	0.9	7
157	Short-term variability of surface carbon dioxide and sea-air CO₂ fluxes in the shelf waters of the Galician coastal upwelling system. Scientia Marina, 2013, 77, 37-48.	0.3	7
158	Improvements in potentiometric determinations of the CO2 oceanic system using seawater sub-standards and CO2 reference materials. Ciencias Marinas, 1999, 25, 31-49.	0.4	7
159	Reconstruction of the seasonal cycle of airâ€“sea CO2 fluxes in the Strait of Gibraltar. Marine Chemistry, 2011, 126, 155-162.	0.9	6
160	Calcium distribution in the subtropical Atlantic Ocean: Implications for calcium excess and saturation horizons. Journal of Marine Systems, 2016, 158, 45-51.	0.9	6
161	The Northeast Atlantic is running out of excess carbonate in the horizon of cold-water corals communities. Scientific Reports, 2020, 10, 14714.	1.6	6
162	Partitioning of physical and biogeochemical contributions to short-term variability of pCO2 in a coastal upwelling system: a quantitative approach. Marine Ecology - Progress Series, 2003, 255, 43-54.	0.9	6

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163	Net seaâ€“air CO₂ flux uncertainties in the Bay of Biscay based on the choice of wind speed products and gas transfer parameterizations. Biogeosciences, 2013, 10, 2993-3005.	1.3	5
164	Can Empirical Algorithms Successfully Estimate Aragonite Saturation State in the Subpolar North Atlantic?. Frontiers in Marine Science, 2017, 4, .	1.2	5
165	Long-term integrated biogeochemical budget driven by circulation in the eastern subpolar North Atlantic. Progress in Oceanography, 2019, 173, 51-65.	1.5	5
166	Contrasting drivers and trends of ocean acidification in the subarctic Atlantic. Scientific Reports, 2021, 11, 13991.	1.6	5
167	PhysicalÂ–biological coupling in the coastal upwelling system of the RÃa de Vigo (NW Spain). II: In vitro approach. Marine Ecology - Progress Series, 2008, 353, 41-53.	0.9	5
168	Basin-scale changes of total organic carbon profiles in the eastern South Atlantic. Scientia Marina, 2001, 65, 1-10.	0.3	5
169	Anthropogenic CO₂ in the Azores region. Scientia Marina, 2010, 74, 11-19.	0.3	5
170	Trends of anthropogenic CO2 along 20Âº W in the Iberian Basin. Ciencias Marinas, 2012, 38, 287-306.	0.4	5
171	Anthropogenic CO2 changes in the Equatorial Atlantic Ocean. Progress in Oceanography, 2015, 134, 256-270.	1.5	4
172	Precise 210Pb determination with high-efficiency gamma spectrometry for dating of marine sedimentary cores. Applied Radiation and Isotopes, 2020, 156, 108962.	0.7	4
173	Counteracting Contributions of the Upper and Lower Meridional Overturning Limbs to the North Atlantic Nutrient Budgets: Enhanced Imbalance in 2010. Global Biogeochemical Cycles, 2021, 35, e2020GB006898.	1.9	4
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#	Article	IF	Citations
181	Correction to â€œUsing altimetry to help explain patchy changes in hydrographic carbon measurementsâ€• Journal of Geophysical Research, 2009, 114, .	3.3	0