

X Anton Alvarez-Salgado

List of Publications by Year in descending order

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171
papers

7,972
citations

43973

48
h-index

64668

79
g-index

177
all docs

177
docs citations

177
times ranked

6351
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolved and suspended organic matter dynamics in the Cape Verde Frontal Zone (NW Africa). <i>Progress in Oceanography</i> , 2022, 201, 102727.	1.5	9
2	Faeces of marine birds and mammals as substrates for microbial plankton communities. <i>Marine Environmental Research</i> , 2022, 174, 105560.	1.1	3
3	Aged Plastic Leaching of Dissolved Organic Matter Is Two Orders of Magnitude Higher Than Virgin Plastic Leading to a Strong Uplift in Marine Microbial Activity. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	23
4	Properties of sediment dissolved organic matter respond to eutrophication and interact with bacterial communities in a plateau lake. <i>Environmental Pollution</i> , 2022, 301, 118996.	3.7	19
5	Penetration of Ultraviolet-B Radiation in Oligotrophic Regions of the Oceans During the Malaspina 2010 Expedition. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	3
6	Deep ocean prokaryotes and fluorescent dissolved organic matter reflect the history of the water masses across the Atlantic Ocean. <i>Progress in Oceanography</i> , 2022, 205, 102819.	1.5	8
7	Assessing the impact of bivalve aquaculture on the carbon circular economy. <i>Journal of Cleaner Production</i> , 2021, 279, 123873.	4.6	47
8	Multivariate substrate characterization: The case of shellfish harvesting areas in the R�as Altas (northwest Iberian Peninsula). <i>Sedimentology</i> , 2021, 68, 697-712.	1.6	1
9	Cobalamin and microbial plankton dynamics along a coastal to offshore transect in the Eastern North Atlantic Ocean. <i>Environmental Microbiology</i> , 2021, 23, 1559-1583.	1.8	19
10	Wedge clam (<i>Donax trunculus</i> Linnaeus, 1758) reproduction: reproductive traits and environmental influence in the NW Iberian coast and contrast across Atlantic and Mediterranean waters. <i>Hydrobiologia</i> , 2021, 848, 1347-1366.	1.0	2
11	Reactive Solute Transport Through Two Contrasting Subterranean Estuary Exit Sites in the R�a de Vigo (NW Iberian Peninsula). <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	8
12	What Is Refractory Organic Matter in the Ocean?. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	31
13	Does Nitrate Enrichment Accelerate Organic Matter Turnover in Subterranean Estuaries?. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	5
14	Fresh and saline submarine groundwater discharge in a large coastal inlet affected by seasonal upwelling. <i>Limnology and Oceanography</i> , 2021, 66, 2141-2158.	1.6	8
15	Cape Verde Frontal Zone in summer 2017: lateral transports of mass, dissolved oxygen and inorganic nutrients. <i>Ocean Science</i> , 2021, 17, 769-788.	1.3	2
16	Modeling the impact of climate change on mussel aquaculture in a coastal upwelling system: A critical assessment. <i>Science of the Total Environment</i> , 2021, 775, 145020.	3.9	5
17	Interaction between polychlorinated biphenyls and dissolved organic matter of different molecular weights from natural and anthropic sources. <i>Journal of Environmental Management</i> , 2021, 299, 113645.	3.8	2
18	<i>Posidonia oceanica</i> as a Source of Chromophoric Dissolved Organic Matter for the Oligotrophic NW Mediterranean Coast. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 911.	1.2	1

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19	Seasonality of Dissolved Organic Carbon Exchange Across the Strait of Gibraltar. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089601.	1.5	3
20	Prokaryotic Capability to Use Organic Substrates Across the Global Tropical and Subtropical Ocean. <i>Frontiers in Microbiology</i> , 2020, 11, 918.	1.5	8
21	Impacts of Global Change on Ocean Dissolved Organic Carbon (DOC) Cycling. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	91
22	Major imprint of surface plankton on deep ocean prokaryotic structure and activity. <i>Molecular Ecology</i> , 2020, 29, 1820-1838.	2.0	39
23	Phytoplankton Diversity Effect on Ecosystem Functioning in a Coastal Upwelling System. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	21
24	Seasonal and inter-annual variability of net primary production in the NW Iberian margin (1998â€“2016) in relation to wind stress and sea surface temperature. <i>Progress in Oceanography</i> , 2019, 178, 102135.	1.5	9
25	Net Additions of Recalcitrant Dissolved Organic Carbon in the Deep Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1162-1173.	1.9	14
26	Patterns and Drivers of UV Absorbing Chromophoric Dissolved Organic Matter in the Euphotic Layer of the Open Ocean. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	15
27	Transparent exopolymer particle (TEP) distribution and in situ prokaryotic generation across the deep Mediterranean Sea and nearby North East Atlantic Ocean. <i>Progress in Oceanography</i> , 2019, 173, 180-191.	1.5	21
28	Modelling mussel shell and flesh growth using a dynamic net production approach. <i>Aquaculture</i> , 2019, 506, 84-93.	1.7	12
29	Dissolved Organic Nitrogen Production and Export by Meridional Overturning in the Eastern Subpolar North Atlantic. <i>Geophysical Research Letters</i> , 2019, 46, 3832-3842.	1.5	7
30	Non-redfieldian mesopelagic nutrient remineralization in the eastern North Atlantic subtropical gyre. <i>Progress in Oceanography</i> , 2019, 171, 136-153.	1.5	4
31	Dissolved organic matter (DOM) in the open Mediterranean Sea. II: Basin-wide distribution and drivers of fluorescent DOM. <i>Progress in Oceanography</i> , 2019, 170, 93-106.	1.5	20
32	Organic matter bioavailability in tropical coastal waters: The Great Barrier Reef. <i>Limnology and Oceanography</i> , 2018, 63, 1015-1035.	1.6	40
33	Dissolved organic carbon leaching from plastics stimulates microbial activity in the ocean. <i>Nature Communications</i> , 2018, 9, 1430.	5.8	402
34	Seasonal succession of small planktonic eukaryotes inhabiting surface waters of a coastal upwelling system. <i>Environmental Microbiology</i> , 2018, 20, 2955-2973.	1.8	44
35	Hydrography of shellfish harvesting areas in the western Cantabrian coast (RÃas Altas, NW Iberian) Tj ETQq1 1 0.784314 rgB ₃ /Overl	0.4	3
36	Large Stimulation of Recalcitrant Dissolved Organic Carbon Degradation by Increasing Ocean Temperatures. <i>Frontiers in Marine Science</i> , 2018, 4, .	1.2	44

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37	Dissolved Organic Matter (DOM) in the open Mediterranean Sea. I. Basin-wide distribution and drivers of chromophoric DOM. <i>Progress in Oceanography</i> , 2018, 165, 35-51.	1.5	48
38	B Vitamins and Their Congeners as Potential Drivers of Microbial Community Composition in an Oligotrophic Marine Ecosystem. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2890-2907.	1.3	40
39	Response of phytoplankton to enhanced atmospheric and riverine nutrient inputs in a coastal upwelling embayment. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 210, 132-141.	0.9	14
40	Role of functional trait variability in the response of individual phytoplankton species to changing environmental conditions in a coastal upwelling zone. <i>Marine Ecology - Progress Series</i> , 2018, 596, 33-47.	0.9	11
41	Circulation of water through a mussel raft: clearance area vs. idealized linear flows. <i>Reviews in Aquaculture</i> , 2017, 9, 3-22.	4.6	8
42	Environmental drivers of mussels flesh yield in a coastal upwelling system. <i>Ecological Indicators</i> , 2017, 79, 323-329.	2.6	6
43	Linking optical and molecular signatures of dissolved organic matter in the Mediterranean Sea. <i>Scientific Reports</i> , 2017, 7, 3436.	1.6	41
44	Organic carbon budget for the eastern boundary of the North Atlantic subtropical gyre: major role of DOC in mesopelagic respiration. <i>Scientific Reports</i> , 2017, 7, 10129.	1.6	18
45	Deep-ocean dissolved organic matter reactivity along the Mediterranean Sea: does size matter?. <i>Scientific Reports</i> , 2017, 7, 5687.	1.6	19
46	Molecular composition of dissolved organic matter in the Mediterranean Sea. <i>Limnology and Oceanography</i> , 2017, 62, 2699-2712.	1.6	41
47	Depth Dependent Relationships between Temperature and Ocean Heterotrophic Prokaryotic Production. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	37
48	Drivers of fluorescent dissolved organic matter in the global epipelagic ocean. <i>Limnology and Oceanography</i> , 2016, 61, 1101-1119.	1.6	53
49	Solar irradiance dictates settlement timing and intensity of marine mussels. <i>Scientific Reports</i> , 2016, 6, 29405.	1.6	7
50	Photochemical alteration of dissolved organic matter and the subsequent effects on bacterial carbon cycling and diversity. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw048.	1.3	30
51	Toxicity of seabird guano to sea urchin embryos and interaction with Cu and Pb. <i>Chemosphere</i> , 2016, 145, 384-393.	4.2	9
52	Coexistence of urban uses and shellfish production in an upwelling-driven, highly productive marine environment: The case of the R�a de Vigo (Galicia, Spain). <i>Regional Studies in Marine Science</i> , 2016, 8, 362-370.	0.4	52
53	Basin-wide N ₂ fixation in the deep waters of the Mediterranean Sea. <i>Global Biogeochemical Cycles</i> , 2016, 30, 952-961.	1.9	43
54	Chromophoric signatures of microbial by-products in the dark ocean. <i>Geophysical Research Letters</i> , 2016, 43, 7639-7648.	1.5	15

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55	Wind-driven upwelling effects on cephalopod paralarvae: <i>Octopus vulgaris</i> and <i>Loliginidae</i> off the Galician coast (NE Atlantic). <i>Progress in Oceanography</i> , 2016, 141, 130-143.	1.5	15
56	Life strategies of cephalopod paralarvae in a coastal upwelling system (NW Iberian). <i>Journal of Marine Research</i> , 2016, 74, 107-120.	0.9	48
57	Global diversity and biogeography of deep-sea pelagic prokaryotes. <i>ISME Journal</i> , 2016, 10, 596-608.	4.4	191
58	Bacterioplankton responses to riverine and atmospheric inputs in a coastal upwelling system (R�a de Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70). <i>Journal of Marine Research</i> , 2016, 74, 107-120.	0.9	10
59	Water mass age and aging driving chromophoric dissolved organic matter in the dark global ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 917-934.	1.9	60
60	Turnover time of fluorescent dissolved organic matter in the dark global ocean. <i>Nature Communications</i> , 2015, 6, 5986.	5.8	209
61	Oxygen in the Iberian margin: A modeling study. <i>Progress in Oceanography</i> , 2015, 131, 1-20.	1.5	5
62	Production and degradation of fluorescent dissolved organic matter in surface waters of the eastern north Atlantic ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 96, 28-37.	0.6	43
63	Impact of atmospheric deposition on the metabolism of coastal microbial communities. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 153, 18-28.	0.9	15
64	Local differences in phytoplankton-bacterioplankton coupling in the coastal upwelling off Galicia (NW Spain). <i>Marine Ecology - Progress Series</i> , 2015, 528, 53-69.	0.9	23
65	Empirical modelling of seston quality based on environmental factors in a mussel culture area (NW Tj ETQq1 1 0.784314 rgBT /Overlock 11). <i>Journal of Marine Research</i> , 2015, 73, 107-120.	0.9	11
66	Mineralization of biogenic materials in the water masses of the South Atlantic Ocean. I: Assessment and results of an optimum multiparameter analysis. <i>Progress in Oceanography</i> , 2014, 123, 1-23.	1.5	30
67	Water flows through mussel rafts and their relationship with wind speed in a coastal embayment (R�a de Tj ETQq1 1 0.784314 rgBT /Overlock 28). <i>Journal of Marine Research</i> , 2014, 72, 107-120.	0.9	28
68	Tracing dissolved organic matter cycling in the eastern boundary of the temperate North Atlantic using absorption and fluorescence spectroscopy. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 85, 35-46.	0.6	39
69	Modeling the seasonal and interannual variability (2001�2010) of chlorophyll-a in the Iberian margin. <i>Journal of Sea Research</i> , 2014, 93, 133-149.	0.6	15
70	Seasonal cycle of plankton production in the Iberian margin based on a high resolution ocean model. <i>Journal of Marine Systems</i> , 2014, 139, 396-408.	0.9	9
71	Dissolved organic matter cycling in the confluence of the Atlantic and Indian oceans south of Africa. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 83, 12-23.	0.6	7
72	Mineralization of biogenic materials in the water masses of the South Atlantic Ocean. II: Stoichiometric ratios and mineralization rates. <i>Progress in Oceanography</i> , 2014, 123, 24-37.	1.5	12

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73	Ecosystem-based indicators as a tool for mussel culture management strategies. <i>Ecological Indicators</i> , 2014, 45, 538-548.	2.6	25
74	A modeling study on the hydrodynamics of a coastal embayment occupied by mussel farms (Ria de Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	29
75	Does a general relationship exist between fluorescent dissolved organic matter and microbial respiration?â€”The case of the dark equatorial Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 89, 44-55.	0.6	17
76	Low contribution of N ₂ fixation to new production and excess nitrogen in the subtropical northeast Atlantic margin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 81, 36-48.	0.6	15
77	Combined effect of light exposure and microbial activity on distinct dissolved organic matter pools. A seasonal field study in an oligotrophic coastal system (Blanes Bay, NW Mediterranean). <i>Marine Chemistry</i> , 2013, 148, 44-51.	0.9	49
78	Response of bacterial community structure and function to experimental rainwater additions in a coastal eutrophic embayment. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 119, 44-53.	0.9	18
79	Short-term meso-scale variability of mesozooplankton communities in a coastal upwelling system (NW Tj ETQq1 1.0,784314,rgBT /Ove	1.5	27
80	Nitrogen uptake of phytoplankton assemblages under contrasting upwelling and downwelling conditions: The RÃa de Vigo, NW Iberia. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 124, 1-12.	0.9	13
81	Effects of the photochemical transformation of dissolved organic matter on bacterial physiology and diversity in a coastal system. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 129, 11-18.	0.9	12
82	New insights on the mineralization of dissolved organic matter in central, intermediate, and deep water masses of the northeast North Atlantic. <i>Limnology and Oceanography</i> , 2013, 58, 681-696.	1.6	43
83	Impact of water mass mixing on the biogeochemistry and microbiology of the Northeast Atlantic Deep Water. <i>Global Biogeochemical Cycles</i> , 2013, 27, 1151-1162.	1.9	18
84	Recycling versus export of bioavailable dissolved organic matter in the coastal ocean and efficiency of the continental shelf pump. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	89
85	Tolerance of juvenile <i>Mytilus galloprovincialis</i> to experimental seawater acidification. <i>Marine Ecology - Progress Series</i> , 2012, 454, 65-74.	0.9	94
86	Response of two marine bacterial isolates to high CO ₂ concentration. <i>Marine Ecology - Progress Series</i> , 2012, 453, 27-36.	0.9	48
87	Physiological energetics of juvenile clams <i>Ruditapes decussatus</i> in a high CO ₂ coastal ocean. <i>Marine Ecology - Progress Series</i> , 2011, 433, 97-105.	0.9	83
88	Control of lipophilic shellfish poisoning outbreaks by seasonal upwelling and continental runoff. <i>Harmful Algae</i> , 2011, 10, 121-129.	2.2	34
89	Net ecosystem metabolism of a coastal embayment fertilised by upwelling and continental runoff. <i>Continental Shelf Research</i> , 2011, 31, 400-413.	0.9	23
90	Fluorescence: Absorption coefficient ratio â€” Tracing photochemical and microbial degradation processes affecting coloured dissolved organic matter in a coastal system. <i>Marine Chemistry</i> , 2011, 125, 26-38.	0.9	29

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91	Net Production and Consumption of Fluorescent Colored Dissolved Organic Matter by Natural Bacterial Assemblages Growing on Marine Phytoplankton Exudates. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7490-7498.	1.4	254
92	Betaproteobacteria growth and nitrification rates during long-term natural dissolved organic matter decomposition experiments. <i>Aquatic Microbial Ecology</i> , 2011, 63, 19-27.	0.9	7
93	Bacterial carbon demand and growth efficiency in a coastal upwelling system. <i>Aquatic Microbial Ecology</i> , 2011, 63, 183-191.	0.9	24
94	Influence of intermittent-upwelling on <i>Mytilus galloprovincialis</i> settlement patterns in the R��a de Ares-Betanzos. <i>Marine Ecology - Progress Series</i> , 2011, 443, 111-127.	0.9	25
95	Production of chromophoric dissolved organic matter by marine phytoplankton. <i>Limnology and Oceanography</i> , 2010, 55, 446-454.	1.6	252
96	Assessing the microbial bioavailability and degradation rate constants of dissolved organic matter by fluorescence spectroscopy in the coastal upwelling system of the R��a de Vigo. <i>Marine Chemistry</i> , 2010, 119, 121-129.	0.9	103
97	Particulate and dissolved primary production by contrasting phytoplankton assemblages during mesocosm experiments in the R��a de Vigo (NW Spain). <i>Journal of Plankton Research</i> , 2010, 32, 1231-1240.	0.8	18
98	Effect of dissolved organic matter (DOM) of contrasting origins on Cu and Pb speciation and toxicity to <i>Paracentrotus lividus</i> larvae. <i>Aquatic Toxicology</i> , 2010, 96, 90-102.	1.9	73
99	Stoichiometry of dissolved organic matter and the kinetics of its microbial degradation in a coastal upwelling system. <i>Aquatic Microbial Ecology</i> , 2010, 58, 117-126.	0.9	25
100	Differential responses of phytoplankton and heterotrophic bacteria to organic and inorganic nutrient additions in coastal waters off the NW Iberian Peninsula. <i>Marine Ecology - Progress Series</i> , 2010, 416, 17-33.	0.9	43
101	Sub-regional ecosystem variability in the Canary Current upwelling. <i>Progress in Oceanography</i> , 2009, 83, 33-48.	1.5	317
102	Production of bioavailable and refractory dissolved organic matter by coastal heterotrophic microbial populations. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 682-688.	0.9	67
103	Bioavailability and bacterial degradation rates of dissolved organic matter in a temperate coastal area during an annual cycle. <i>Marine Chemistry</i> , 2009, 113, 219-226.	0.9	119
104	High-frequency coastal upwelling events influence <i>Octopus vulgaris</i> larval dynamics on the NW Iberian shelf. <i>Marine Ecology - Progress Series</i> , 2009, 386, 123-132.	0.9	47
105	Bacterial community composition and colored dissolved organic matter in a coastal upwelling ecosystem. <i>Aquatic Microbial Ecology</i> , 2009, 55, 131-142.	0.9	29
106	Growth rates of different phylogenetic bacterioplankton groups in a coastal upwelling system. <i>Environmental Microbiology Reports</i> , 2009, 1, 545-554.	1.0	69
107	Linkages between bacterioplankton community composition, heterotrophic carbon cycling and environmental conditions in a highly dynamic coastal ecosystem. <i>Environmental Microbiology</i> , 2008, 10, 906-917.	1.8	72
108	Renewal time and the impact of harmful algal blooms on the extensive mussel raft culture of the Iberian coastal upwelling system (SW Europe). <i>Harmful Algae</i> , 2008, 7, 849-855.	2.2	109

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109	Physical–biological coupling in the coastal upwelling system of the R�a de Vigo (NW Spain). I: In situ approach. <i>Marine Ecology - Progress Series</i> , 2008, 353, 27-40.	0.9	6
110	Physical–biological coupling in the coastal upwelling system of the R�a de Vigo (NW Spain). II: In vitro approach. <i>Marine Ecology - Progress Series</i> , 2008, 353, 41-53.	0.9	5
111	Bottom-up control of common octopus <i>Octopus vulgaris</i> in the Galician upwelling system, northeast Atlantic Ocean. <i>Marine Ecology - Progress Series</i> , 2008, 362, 181-192.	0.9	79
112	Contribution of upwelling filaments to offshore carbon export in the subtropical Northeast Atlantic Ocean. <i>Limnology and Oceanography</i> , 2007, 52, 1287-1292.	1.6	77
113	Biogeochemical budgets in the eastern boundary current system of the North Atlantic: Evidence of net heterotrophy and nitrogen fixation. <i>Limnology and Oceanography</i> , 2007, 52, 1328-1335.	1.6	7
114	Exchange fluxes between the R�a de Vigo and the shelf: A bidirectional flow forced by remote wind. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	27
115	Contrasting complexing capacity of dissolved organic matter produced during the onset, development and decay of a simulated bloom of the marine diatom <i>Skeletonema costatum</i> . <i>Marine Chemistry</i> , 2007, 103, 61-75.	0.9	36
116	Dynamics of the hydrocarbon-degrading <i>Cycloclasticus</i> bacteria during mesocosm-simulated oil spills. <i>Environmental Microbiology</i> , 2007, 9, 2551-2562.	1.8	91
117	Stoichiometry of the degradation of dissolved and particulate biogenic organic matter in the NW Iberian upwelling. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	27
118	Local remineralization patterns in the mesopelagic zone of the Eastern North Atlantic, off the NW Iberian Peninsula. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 1925-1940.	0.6	20
119	Fingerprinting petroleum hydrocarbons in plankton and surface sediments during the spring and early summer blooms in the Galician coast (NW Spain) after the Prestige oil spill. <i>Marine Environmental Research</i> , 2006, 62, 388-413.	1.1	31
120	Microbial and photochemical reactivity of fluorescent dissolved organic matter in a coastal upwelling system. <i>Limnology and Oceanography</i> , 2006, 51, 1391-1400.	1.6	145
121	Influence of the oceanographic conditions during spring 2003 on the transport of the Prestige tanker fuel oil to the Galician coast. <i>Marine Pollution Bulletin</i> , 2006, 53, 239-249.	2.3	24
122	The effect of the ‘‘Prestige’’ oil spill on the plankton of the ‘‘NW Spanish coast. <i>Marine Pollution Bulletin</i> , 2006, 53, 272-286.	2.3	73
123	Continental inputs of C, N, P and Si species to the R�a de Vigo (NW Spain). <i>Estuarine, Coastal and Shelf Science</i> , 2005, 65, 74-82.	0.9	39
124	Offshore export versus in situ fractionated mineralization: a 1-D model of the fate of the primary production of the R�as Baixas (Galicia, NW Spain). <i>Journal of Marine Systems</i> , 2005, 54, 175-193.	0.9	5
125	Origin and fate of a bloom of <i>Skeletonema costatum</i> during a winter upwelling/downwelling sequence in the R�a de Vigo (NW Spain). <i>Journal of Marine Research</i> , 2005, 63, 1127-1149.	0.3	15
126	Short-timescale thermohaline variability and residual circulation in the central segment of the coastal upwelling system of the R�a de Vigo (northwest Spain) during four contrasting periods. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	51

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127	DOM fluorescence, a tracer for biogeochemical processes in a coastal upwelling system (NW Iberian) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.9	83
128	On the variation of alkalinity during phytoplankton photosynthesis. Ciencias Marinas, 2005, 31, 627-639.	0.4	12
129	Nutrient mineralization rates and ratios in the eastern South Atlantic. Journal of Geophysical Research, 2004, 109, .	3.3	29
130	Inferring nitrification rates with an inverse method in a coastal upwelling system, RÃa de Vigo (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	10
131	Cycling of dissolved and particulate carbohydrates in a coastal upwelling system (NW Iberian) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.9	18
132	Assessing the contrasting fate of dissolved and suspended organic carbon in a coastal upwelling system (RÃa de Vigo, NW Iberian Peninsula). Estuarine, Coastal and Shelf Science, 2003, 56, 271-279.	0.9	20
133	The Portugal coastal counter current off NW Spain: new insights on its biogeochemical variability. Progress in Oceanography, 2003, 56, 281-321.	1.5	162
134	Carbon dioxide along WOCE line A14: Water masses characterization and anthropogenic entry. Journal of Geophysical Research, 2003, 108, .	3.3	18
135	Spain's Earth Scientists and the Oil Spill. Science, 2003, 299, 511b-511.	6.0	13
136	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
137	Dissolved Organic Carbon Support of Respiration in the Dark Ocean. Science, 2002, 298, 1967-1967.	6.0	120
138	New production of the NW Iberian shelf during the upwelling season over the period 1982-1999. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 1725-1739.	0.6	84
139	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
140	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
141	Coupling between the Iberian basin " 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
142	Supply and demand of nutrients and dissolved organic matter at and across the NW European shelf break in relation to hydrography and biogeochemical activity. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 3023-3047.	0.6	36
143	Pelagic production at the Celtic Sea shelf break. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 48, 3049-3081.	0.6	79
144	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

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145	Two Lagrangian experiments in the Iberian Upwelling System: tracking an upwelling event and an off-shore filament. <i>Progress in Oceanography</i> , 2001, 51, 221-248.	1.5	57
146	Off-shelf fluxes of labile materials by an upwelling filament in the NW Iberian Upwelling System. <i>Progress in Oceanography</i> , 2001, 51, 321-337.	1.5	82
147	Short-term variability of heterotrophic bacterioplankton during upwelling off the NW Iberian margin. <i>Progress in Oceanography</i> , 2001, 51, 339-359.	1.5	60
148	Organic matter distributions in the Eastern North Atlantic "Azores Front region. <i>Journal of Marine Systems</i> , 2001, 30, 33-49.	0.9	31
149	Dissolved and suspended organic carbon in the Atlantic sector of the Southern Ocean. Stock dynamics in upper ocean waters. <i>Marine Ecology - Progress Series</i> , 2001, 223, 27-38.	0.9	10
150	Basin-scale changes of total organic carbon profiles in the eastern South Atlantic. <i>Scientia Marina</i> , 2001, 65, 1-10.	0.3	5
151	Stoichiometry of the net ecosystem metabolism in a coastal inlet affected by upwelling. The Ria de Arousa (NW Spain). <i>Marine Chemistry</i> , 2000, 69, 217-236.	0.9	33
152	The water masses along the western boundary of the south and equatorial Atlantic. <i>Progress in Oceanography</i> , 2000, 47, 69-98.	1.5	129
153	Surface Waters of the NW Iberian Margin: Upwelling on the Shelf versus Outwelling of Upwelled Waters from the Rias Baixas. <i>Estuarine, Coastal and Shelf Science</i> , 2000, 51, 821-837.	0.9	143
154	Coupling between the thermohaline, chemical and biological fields during two contrasting upwelling events off the NW Iberian Peninsula. <i>Continental Shelf Research</i> , 2000, 20, 189-210.	0.9	37
155	Seasonal and short-time-scale dynamics of microplankton community production and respiration in an inshore upwelling system. <i>Marine Ecology - Progress Series</i> , 2000, 196, 111-126.	0.9	64
156	Dissolved Organic Carbon in a Large Macrotidal Estuary (the Humber, UK): Behaviour During Estuarine Mixing. <i>Marine Pollution Bulletin</i> , 1999, 37, 216-224.	2.3	24
157	Dissolved organic matter in shelf waters off the Ria de Vigo (NW Iberian upwelling system). <i>Journal of Marine Systems</i> , 1999, 18, 383-394.	0.9	51
158	Carbon cycling in a large coastal embayment, affected by wind-driven upwelling: short-time-scale variability and spatial differences. <i>Marine Ecology - Progress Series</i> , 1999, 176, 215-230.	0.9	33
159	Hydrodynamic and chemical conditions during onset of a red-tide assemblage in an estuarine upwelling ecosystem. <i>Marine Biology</i> , 1998, 130, 509-519.	0.7	12
160	Simultaneous determination of dissolved organic carbon and total dissolved nitrogen in seawater by high temperature catalytic oxidation: conditions for precise shipboard measurements. <i>Marine Chemistry</i> , 1998, 62, 325-333.	0.9	168
161	Nutrient mineralization patterns in shelf waters of the Western Iberian upwelling. <i>Continental Shelf Research</i> , 1997, 17, 1247-1270.	0.9	82
162	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). <i>Estuarine, Coastal and Shelf Science</i> , 1997, 44, 249-262.	0.9	84

#	ARTICLE	IF	CITATIONS
163	Transient hydrographic and chemical conditions affecting microplankton populations in the coastal transition zone of the Iberian upwelling system (NW Spain) in September 1986. <i>Journal of Marine Research</i> , 1997, 55, 321-352.	0.3	59
164	Dissolved organic matter in a temperate embayment affected by coastal upwelling. <i>Marine Ecology - Progress Series</i> , 1997, 157, 21-37.	0.9	71
165	Nitrogen cycling in an estuarine upwelling system, the R�a de Arousa (NW Spain). I. Short-time-scale patterns of hydrodynamic and biogeochemical circulation. <i>Marine Ecology - Progress Series</i> , 1996, 135, 259-273.	0.9	89
166	Evidence of in situ diel vertical migration of a red-tide microplankton species in R�a de Vigo (NW Spain). <i>Marine Biology</i> , 1995, 123, 607-617.	0.7	69
167	Variation of Both Thermohaline and Chemical Properties in an Estuarine Upwelling Ecosystem: Ria de Arousa; I. Time Evolution. <i>Estuarine, Coastal and Shelf Science</i> , 1995, 41, 195-213.	0.9	44
168	Red tide assemblage formation in an estuarine upwelling ecosystem: Ria de Vigo. <i>Journal of Plankton Research</i> , 1994, 16, 857-878.	0.8	65
169	Hydrographic conditions associated with the relaxation of an upwelling event off the Galician Coast (NW Spain). <i>Journal of Geophysical Research</i> , 1994, 99, 5135.	3.3	67
170	Hydrographic variability off the R�as Baixas (NW Spain) during the upwelling season. <i>Journal of Geophysical Research</i> , 1993, 98, 14447-14455.	3.3	156
171	Determination of nutrient salts by automatic methods both in seawater and brackish water: the phosphate blank. <i>Marine Chemistry</i> , 1992, 39, 311-319.	0.9	32