

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 organic carbon leaching from plastics stimulates microbial activity in the ocean. <i>Nature Communications</i> , 2018, 9, 1430.	5.8	402
2	Sub-regional ecosystem variability in the Canary Current upwelling. <i>Progress in Oceanography</i> , 2009, 83, 33-48.	1.5	317
3	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
4	Production of chromophoric dissolved organic matter by marine phytoplankton. <i>Limnology and Oceanography</i> , 2010, 55, 446-454.	1.6	252
5	Turnover time of fluorescent dissolved organic matter in the dark global ocean. <i>Nature Communications</i> , 2015, 6, 5986.	5.8	209
6	Global diversity and biogeography of deep-sea pelagic prokaryotes. <i>ISME Journal</i> , 2016, 10, 596-608.	4.4	191
7	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
8	The Portugal coastal counter current off NW Spain: new insights on its biogeochemical variability. <i>Progress in Oceanography</i> , 2003, 56, 281-321.	1.5	162
9	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
10	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
11	Surface Waters of the NW Iberian Margin: Upwelling on the Shelf versus Outwelling of Upwelled Waters from the R�as Baixas. <i>Estuarine, Coastal and Shelf Science</i> , 2000, 51, 821-837.	0.9	143
12	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
13	Dissolved Organic Carbon Support of Respiration in the Dark Ocean. <i>Science</i> , 2002, 298, 1967-1967.	6.0	120
14	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
15	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
16	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
17	Tolerance of juvenile <i>Mytilus galloprovincialis</i> to experimental seawater acidification. <i>Marine Ecology - Progress Series</i> , 2012, 454, 65-74.	0.9	94
18	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

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19	Impacts of Global Change on Ocean Dissolved Organic Carbon (DOC) Cycling. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	91
20	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
21	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
22	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
23	New production of the NW Iberian shelf during the upwelling season over the period 1982�1999. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 1725-1739.	0.6	84
24	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
25	Nutrient mineralization patterns in shelf waters of the Western Iberian upwelling. <i>Continental Shelf Research</i> , 1997, 17, 1247-1270.	0.9	82
26	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
27	Pelagic production at the Celtic Sea shelf break. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 3049-3081.	0.6	79
28	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
29	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
30	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
31	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
32	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
33	Net ecosystem production of dissolved organic carbon in a coastal upwelling system: the R�a de Vigo, Iberian margin of the North Atlantic. <i>Limnology and Oceanography</i> , 2001, 46, 135-146.	1.6	71
34	Dissolved organic matter in a temperate embayment affected by coastal upwelling. <i>Marine Ecology - Progress Series</i> , 1997, 157, 21-37.	0.9	71
35	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
36	Growth rates of different phylogenetic bacterioplankton groups in a coastal upwelling system. <i>Environmental Microbiology Reports</i> , 2009, 1, 545-554.	1.0	69

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37	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
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	Production of bioavailable and refractory dissolved organic matter by coastal heterotrophic microbial populations. Estuarine, Coastal and Shelf Science, 2009, 82, 682-688.	0.9	67
40	Red tide assemblage formation in an estuarine upwelling ecosystem: Ria de Vigo. Journal of Plankton Research, 1994, 16, 857-878.	0.8	65
41	Seasonal and short-time-scale dynamics of microplankton community production and respiration in an inshore upwelling system. Marine Ecology - Progress Series, 2000, 196, 111-126.	0.9	64
42	DOM fluorescence, a tracer for biogeochemical processes in a coastal upwelling system (NW Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	0.9	63
43	Short-term variability of heterotrophic bacterioplankton during upwelling off the NW Iberian margin. Progress in Oceanography, 2001, 51, 339-359.	1.5	60
44	Water mass age and aging driving chromophoric dissolved organic matter in the dark global ocean. Global Biogeochemical Cycles, 2015, 29, 917-934.	1.9	60
45	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
46	Two Lagrangian experiments in the Iberian Upwelling System: tracking an upwelling event and an off-shore filament. Progress in Oceanography, 2001, 51, 221-248.	1.5	57
47	Drivers of fluorescent dissolved organic matter in the global epipelagic ocean. Limnology and Oceanography, 2016, 61, 1101-1119.	1.6	53
48	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). Regional Studies in Marine Science, 2016, 8, 362-370.	0.4	52
49	Dissolved organic matter in shelf waters off the R�a de Vigo (NW Iberian upwelling system). Journal of Marine Systems, 1999, 18, 383-394.	0.9	51
50	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. Journal of Geophysical Research, 2005, 110, .	3.3	51
51	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). Marine Chemistry, 2013, 148, 44-51.	0.9	49
52	Life strategies of cephalopod paralarvae in a coastal upwelling system (<scp>NW</scp> Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	0.9	48
53	Dissolved Organic Matter (DOM) in the open Mediterranean Sea. I. Basin-wide distribution and drivers of chromophoric DOM. Progress in Oceanography, 2018, 165, 35-51.	1.5	48
54	Response of two marine bacterial isolates to high CO₂ concentration. Marine Ecology - Progress Series, 2012, 453, 27-36.	0.9	48

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55	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
56	Assessing the impact of bivalve aquaculture on the carbon circular economy. <i>Journal of Cleaner Production</i> , 2021, 279, 123873.	4.6	47
57	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
58	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
59	Large Stimulation of Recalcitrant Dissolved Organic Carbon Degradation by Increasing Ocean Temperatures. <i>Frontiers in Marine Science</i> , 2018, 4, .	1.2	44
60	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
61	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
62	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
63	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
64	Linking optical and molecular signatures of dissolved organic matter in the Mediterranean Sea. <i>Scientific Reports</i> , 2017, 7, 3436.	1.6	41
65	Molecular composition of dissolved organic matter in the Mediterranean Sea. <i>Limnology and Oceanography</i> , 2017, 62, 2699-2712.	1.6	41
66	Organic matter bioavailability in tropical coastal waters: The Great Barrier Reef. <i>Limnology and Oceanography</i> , 2018, 63, 1015-1035.	1.6	40
67	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
68	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
69	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
70	Major imprint of surface plankton on deep ocean prokaryotic structure and activity. <i>Molecular Ecology</i> , 2020, 29, 1820-1838.	2.0	39
71	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
72	Depth Dependent Relationships between Temperature and Ocean Heterotrophic Prokaryotic Production. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	37

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73	Supply and demand of nutrients and dissolved organic matter at and across the NW European shelf break in relation to hydrography and biogeochemical activity. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 3023-3047.	0.6	36
74	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
75	Computing optimum estuarine residual fluxes with a multiparameter inverse method (OERFIM): Application to the Ria de Vigo (NW Spain). <i>Journal of Geophysical Research</i> , 2001, 106, 31303-31318.	3.3	35
76	Control of lipophilic shellfish poisoning outbreaks by seasonal upwelling and continental runoff. <i>Harmful Algae</i> , 2011, 10, 121-129.	2.2	34
77	Stoichiometry of the net ecosystem metabolism in a coastal inlet affected by upwelling. The Ría de Arousa (NW Spain). <i>Marine Chemistry</i> , 2000, 69, 217-236.	0.9	33
78	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
79	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
80	Dissolved organic carbon distributions in the Bransfield and Gerlache Straits, Antarctica. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 663-674.	0.6	32
81	Organic matter distributions in the Eastern North Atlantic "Azores Front" region. <i>Journal of Marine Systems</i> , 2001, 30, 33-49.	0.9	31
82	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
83	What Is Refractory Organic Matter in the Ocean?. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	31
84	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
85	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
86	Nutrient mineralization rates and ratios in the eastern South Atlantic. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	29
87	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
88	Fluorescence: Absorption coefficient ratio " 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
89	A modeling study on the hydrodynamics of a coastal embayment occupied by mussel farms (Ria de Tj ETQq1 1 0.784314 rgBT /Overl	0.9	29
90	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

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91	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
92	Short-term meso-scale variability of mesozooplankton communities in a coastal upwelling system (NW Tj ETQq0 0,0,rgBT /Overlock 10	1.5	27
93	Ecosystem-based indicators as a tool for mussel culture management strategies. <i>Ecological Indicators</i> , 2014, 45, 538-548.	2.6	25
94	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
95	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
96	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
97	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
98	Bacterial carbon demand and growth efficiency in a coastal upwelling system. <i>Aquatic Microbial Ecology</i> , 2011, 63, 183-191.	0.9	24
99	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
100	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
101	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
102	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
103	Phytoplankton Diversity Effect on Ecosystem Functioning in a Coastal Upwelling System. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	21
104	Assessing the contrasting fate of dissolved and suspended organic carbon in a coastal upwelling system (�R�a de Vigo�, NW Iberian Peninsula). <i>Estuarine, Coastal and Shelf Science</i> , 2003, 56, 271-279.	0.9	20
105	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
106	Water flows through mussel rafts and their relationship with wind speed in a coastal embayment (R�a) Tj ETQq0 0,0,rgBT /Overlock 10	0.9	20
107	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
108	Deep-ocean dissolved organic matter reactivity along the Mediterranean Sea: does size matter?. <i>Scientific Reports</i> , 2017, 7, 5687.	1.6	19

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109	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
110	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
111	Carbon dioxide along WOCE line A14: Water masses characterization and anthropogenic entry. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	18
112	Particulate and dissolved primary production by contrasting phytoplankton assemblages during mesocosm experiments in the Ría de Vigo (NW Spain). <i>Journal of Plankton Research</i> , 2010, 32, 1231-1240.	0.8	18
113	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
114	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
115	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
116	Cycling of dissolved and particulate carbohydrates in a coastal upwelling system (NW Iberian) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462</i>	0.9	18
117	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
118	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
119	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
120	Modeling the seasonal and interannual variability (2001â€”2010) of chlorophyll-a in the Iberian margin. <i>Journal of Sea Research</i> , 2014, 93, 133-149.	0.6	15
121	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
122	Chromophoric signatures of microbial byâ€”products in the dark ocean. <i>Geophysical Research Letters</i> , 2016, 43, 7639-7648.	1.5	15
123	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
124	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
125	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
126	Net Additions of Recalcitrant Dissolved Organic Carbon in the Deep Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1162-1173.	1.9	14

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127	Spain's Earth Scientists and the Oil Spill. <i>Science</i> , 2003, 299, 511b-511.	6.0	13
128	Nitrogen uptake of phytoplankton assemblages under contrasting upwelling and downwelling conditions: The R�a de Vigo, NW Iberia. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 124, 1-12.	0.9	13
129	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
130	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
131	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
132	Modelling mussel shell and flesh growth using a dynamic net production approach. <i>Aquaculture</i> , 2019, 506, 84-93.	1.7	12
133	On the variation of alkalinity during phytoplankton photosynthesis. <i>Ciencias Marinas</i> , 2005, 31, 627-639.	0.4	12
134	Empirical modelling of seston quality based on environmental factors in a mussel culture area (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	11
135	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
136	Bacterioplankton responses to riverine and atmospheric inputs in a coastal upwelling system (R�a de) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	10
137	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
138	Inferring nitrification rates with an inverse method in a coastal upwelling system, R�a de Vigo (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	10
139	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
140	Toxicity of seabird guano to sea urchin embryos and interaction with Cu and Pb. <i>Chemosphere</i> , 2016, 145, 384-393.	4.2	9
141	Seasonal and inter-annual variability of net primary production in the NW Iberian margin (1998�2016) in relation to wind stress and sea surface temperature. <i>Progress in Oceanography</i> , 2019, 178, 102135.	1.5	9
142	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
143	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
144	Prokaryotic Capability to Use Organic Substrates Across the Global Tropical and Subtropical Ocean. <i>Frontiers in Microbiology</i> , 2020, 11, 918.	1.5	8

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145	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
146	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
147	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
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163	Hydrography of shellfish harvesting areas in the western Cantabrian coast (R�as Altas, NW Iberian) Tj ETQq1 1 0.784314 rgBj /Overl...	0.4	3
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165	Faeces of marine birds and mammals as substrates for microbial plankton communities. Marine Environmental Research, 2022, 174, 105560.	1.1	3
166	Penetration of Ultraviolet�� Radiation in Oligotrophic Regions of the Oceans During the Malaspina 2010 Expedition. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	3
167	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. Hydrobiologia, 2021, 848, 1347-1366.	1.0	2
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