

Antonio Bode

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

4,977
citations

76196

40
h-index

114278

63
g-index

120
all docs

120
docs citations

120
times ranked

5346
citing authors

#	ARTICLE	IF	CITATIONS
1	Large mesopelagic fishes biomass and trophic efficiency in the open ocean. <i>Nature Communications</i> , 2014, 5, 3271.	5.8	561
2	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. <i>Earth System Science Data</i> , 2012, 4, 47-73.	3.7	315
3	A global diatom database of abundance, biovolume and biomass in the world ocean. <i>Earth System Science Data</i> , 2012, 4, 149-165.	3.7	183
4	Bridging the gap between marine biogeochemical and fisheries sciences; configuring the zooplankton link. <i>Progress in Oceanography</i> , 2014, 129, 176-199.	1.5	146
5	Degree of oligotrophy controls the response of microbial plankton to Saharan dust. <i>Limnology and Oceanography</i> , 2010, 55, 2339-2352.	1.6	134
6	Biodegradation as an important sink of aromatic hydrocarbons in the oceans. <i>Nature Geoscience</i> , 2019, 12, 119-125.	5.4	114
7	Phytoplankton and macrophyte contributions to littoral food webs in the Galician upwelling estimated from stable isotopes. <i>Marine Ecology - Progress Series</i> , 2006, 318, 89-102.	0.9	95
8	A persistent upwelling off the Central Cantabrian Coast (Bay of Biscay). <i>Estuarine, Coastal and Shelf Science</i> , 1990, 30, 185-199.	0.9	94
9	Plankton distribution across a slope current-induced front in the southern Bay of Biscay. <i>Journal of Plankton Research</i> , 1993, 15, 619-641.	0.8	88
10	Stable nitrogen isotope studies of the pelagic food web on the Atlantic shelf of the Iberian Peninsula. <i>Progress in Oceanography</i> , 2007, 74, 115-131.	1.5	86
11	The pelagic foodweb in the upwelling ecosystem of Galicia (NW Spain) during spring: natural abundance of stable carbon and nitrogen isotopes. <i>ICES Journal of Marine Science</i> , 2003, 60, 11-22.	1.2	82
12	Recent trends in plankton and upwelling intensity off Galicia (NW Spain). <i>Progress in Oceanography</i> , 2009, 83, 342-350.	1.5	75
13	Latitudinal distribution of <i>Trichodesmium</i> spp. and N ₂ fixation in the Atlantic Ocean. <i>Biogeosciences</i> , 2010, 7, 3167-3176.	1.3	74
14	Seasonal Variations of Nutrients, Seston and Phytoplankton, and Upwelling Intensity off La Coruña (NW Spain). <i>Estuarine, Coastal and Shelf Science</i> , 1997, 44, 767-778.	0.9	73
15	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
16	A decade of sampling in the Bay of Biscay: What are the zooplankton time series telling us?. <i>Progress in Oceanography</i> , 2007, 74, 98-114.	1.5	73
17	Assessing the relevance of nucleic acid content as an indicator of marine bacterial activity. <i>Aquatic Microbial Ecology</i> , 2007, 46, 141-152.	0.9	67
18	Reconstruction of trophic pathways between plankton and the North Iberian sardine (<i>Sardina</i>)	0.3	65

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19	Foraging ecology of five toothed whale species in the Northwest Iberian Peninsula, inferred using carbon and nitrogen isotope ratios. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 413, 150-158.	0.7	63
20	Stable nitrogen isotopes in coastal macroalgae: Geographic and anthropogenic variability. <i>Science of the Total Environment</i> , 2013, 443, 887-895.	3.9	59
21	Taurine Is a Major Carbon and Energy Source for Marine Prokaryotes in the North Atlantic Ocean off the Iberian Peninsula. <i>Microbial Ecology</i> , 2019, 78, 299-312.	1.4	59
22	Fish recruitment prediction, using robust supervised classification methods. <i>Ecological Modelling</i> , 2010, 221, 338-352.	1.2	58
23	Large deep-sea zooplankton biomass mirrors primary production in the global ocean. <i>Nature Communications</i> , 2020, 11, 6048.	5.8	58
24	Phytoplankton biomass and production in shelf waters off NW Spain: spatial and seasonal variability in relation to upwelling. <i>Hydrobiologia</i> , 1996, 341, 225-234.	1.0	57
25	Importance of N ₂ fixation vs. nitrate eddy diffusion along a latitudinal transect in the Atlantic Ocean. <i>Limnology and Oceanography</i> , 2011, 56, 999-1007.	1.6	56
26	Zooplankton and Micronekton Active Flux Across the Tropical and Subtropical Atlantic Ocean. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	56
27	Title is missing!. <i>Scientia Marina</i> , 1998, 62, .	0.3	54
28	Taxonomic versus trophic structure of mesozooplankton: a seasonal study of species succession and stable carbon and nitrogen isotopes in a coastal upwelling ecosystem. <i>ICES Journal of Marine Science</i> , 2004, 61, 563-571.	1.2	53
29	Contribution of heterotrophic plankton to nitrogen regeneration in the upwelling ecosystem of A Coruna (NW Spain). <i>Journal of Plankton Research</i> , 2004, 26, 11-28.	0.8	52
30	Trophic dynamics. , 2001, , 112-157.		52
31	General patterns in the size scaling of phytoplankton abundance in coastal waters during a 10-year time series. <i>Journal of Plankton Research</i> , 2010, 32, 1-14.	0.8	50
32	Trophic position of lanternfishes (Pisces: Myctophidae) of the tropical and equatorial Atlantic estimated using stable isotopes. <i>ICES Journal of Marine Science</i> , 2019, 76, 649-661.	1.2	49
33	Uptake and regeneration of inorganic nitrogen in coastal waters influenced by the Mississippi River spatial and seasonal variations. <i>Journal of Plankton Research</i> , 1996, 18, 2251-2268.	0.8	48
34	Dispersal similarly shapes both population genetics and community patterns in the marine realm. <i>Scientific Reports</i> , 2016, 6, 28730.	1.6	45
35	Spatial patterns of plankton biomass and stable isotopes reflect the influence of the nitrogen-fixer <i>Trichodesmium</i> along the subtropical North Atlantic. <i>Journal of Plankton Research</i> , 2013, 35, 513-525.	0.8	44
36	Bulk vs. amino acid stable N isotope estimations of metabolic status and contributions of nitrogen fixation to size-fractionated zooplankton biomass in the subtropical N Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 114, 137-148.	0.6	44

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37	Factors controlling the community structure of picoplankton in contrasting marine environments. <i>Biogeosciences</i> , 2018, 15, 6199-6220.	1.3	44
38	Preliminary Studies on the Export of Organic Matter During Phytoplankton Blooms off La Coruña (Northwestern Spain). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1998, 78, 1-15.	0.4	43
39	Importance of salt fingering for new nitrogen supply in the oligotrophic ocean. <i>Nature Communications</i> , 2015, 6, 8002.	5.8	42
40	Pelagic bacteria and phytoplankton in oceanic waters near the Canary Islands in summer. <i>Marine Ecology - Progress Series</i> , 2001, 209, 1-17.	0.9	42
41	Ingestion rates of phytoplankton by copepod size fractions on a bloom associated with an off-shelf front off NW Spain. <i>Journal of Plankton Research</i> , 1998, 20, 957-972.	0.8	41
42	Intrusions of eastern North Atlantic central waters and phytoplankton in the north and northwestern Iberian shelf during spring. <i>Journal of Marine Systems</i> , 2002, 36, 197-218.	0.9	41
43	Microplankton assemblages associated with saline fronts during a spring bloom in the central Cantabrian Sea: differences in trophic structure between water bodies. <i>Journal of Plankton Research</i> , 1991, 13, 1239-1256.	0.8	40
44	Seasonal variability of plankton blooms in the Ria de Ferrol (NW Spain): II. Plankton abundance, composition and biomass. <i>Estuarine, Coastal and Shelf Science</i> , 2005, 63, 285-300.	0.9	40
45	Nitrogen uptake and dissolved organic nitrogen release in planktonic communities characterised by phytoplankton size structure in the Central Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 1637-1661.	0.6	39
46	New and regenerated production and ammonium regeneration in the western Bransfield Strait region (Antarctica) during phytoplankton bloom conditions in summer. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 787-804.	0.6	37
47	Comparison of biomass and size spectra derived from optical plankton counter data and net samples: application to the assessment of mesoplankton distribution along the Northwest and North Iberian Shelf. <i>ICES Journal of Marine Science</i> , 2004, 61, 508-517.	1.2	37
48	Latitudinal distribution of microbial plankton abundance, production, and respiration in the Equatorial Atlantic in autumn 2000. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 861-880.	0.6	37
49	Estimations of mesozooplankton biomass in a coastal upwelling area off NW Spain. <i>Journal of Plankton Research</i> , 1998, 20, 1005-1014.	0.8	33
50	Decadal variability in chlorophyll and primary production off NW Spain. <i>Climate Research</i> , 2011, 48, 293-305.	0.4	33
51	Picoplankton community structure along the northern Iberian continental margin in late winter-early spring. <i>Journal of Plankton Research</i> , 2004, 26, 1069-1081.	0.8	32
52	Longitudinal variability of diazotroph abundances in the subtropical North Atlantic Ocean. <i>Journal of Plankton Research</i> , 2016, 38, 662-672.	0.8	32
53	Biological N ₂ Fixation in the Upwelling Region off NW Iberia: Magnitude, Relevance, and Players. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	31
54	Nitrate storage by phytoplankton in a coastal upwelling environment. <i>Marine Biology</i> , 1997, 129, 399-406.	0.7	30

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55	Annual trend patterns of phytoplankton species abundance belie homogeneous taxonomical group responses to climate in the NE Atlantic upwelling. <i>Marine Environmental Research</i> , 2015, 110, 81-91.	1.1	30
56	Plankton carbon budget in a coastal wind-driven upwelling station off A Coruña (NW Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.9	30
57	Variations in planktonic bacterial biomass and production and phytoplankton blooms off A Coruña (NW Spain). <i>Scientia Marina</i> , 2003, 67, 143-157.	0.3	30
58	The spatial distribution of plankton communities in a Slope Water anticyclonic Oceanic eDDY (SWODDY) in the southern Bay of Biscay. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2004, 84, 501-517.	0.4	29
59	Microplanktonic regeneration of ammonium and dissolved organic nitrogen in the upwelling area of the NW of Spain: relationships with dissolved organic carbon production and phytoplankton size-structure. <i>Journal of Plankton Research</i> , 2003, 25, 719-736.	0.8	28
60	Planktonic carbon budget in the eastern subtropical North Atlantic. <i>Aquatic Microbial Ecology</i> , 2007, 48, 261-275.	0.9	28
61	Seasonal variability of plankton blooms in the Ria de Ferrol (NW Spain): I. Nutrient concentrations and nitrogen uptake rates. <i>Estuarine, Coastal and Shelf Science</i> , 2005, 63, 269-284.	0.9	26
62	Oceanic Sink and Biogeochemical Controls on the Accumulation of Polychlorinated Dibenzo- <i>p</i> -dioxins, Dibenzofurans, and Biphenyls in Plankton. <i>Environmental Science & Technology</i> , 2015, 49, 13853-13861.	4.6	24
63	Preliminary studies on the reproduction and population dynamics of <i>Monodonta lineata</i> and <i>Gibbula umbilicalis</i> (Mollusca, Gastropoda) on the central coast of Asturias (N. Spain). <i>Hydrobiologia</i> , 1986, 142, 31-39.	1.0	23
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	Community N ₂ fixation and <i>Trichodesmium</i> spp. abundance along longitudinal gradients in the eastern subtropical North Atlantic. <i>ICES Journal of Marine Science</i> , 2013, 70, 223-231.	1.2	22
66	Influence of water-column stability on phytoplankton size and biomass succession patterns in the central Cantabrian Sea (Bay of Biscay). <i>Journal of Plankton Research</i> , 1992, 14, 885-902.	0.8	21
67	Trophic position of coexisting krill species: a stable isotope approach. <i>Marine Ecology - Progress Series</i> , 2014, 516, 139-151.	0.9	21
68	Phytoplankton Diversity Effect on Ecosystem Functioning in a Coastal Upwelling System. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	21
69	Variability in $\delta^{15}N$ of intertidal brown algae along a salinity gradient: Differential impact of nitrogen sources. <i>Science of the Total Environment</i> , 2015, 512-513, 167-176.	3.9	20
70	Changes in phytoplankton production and upwelling intensity off A Coruña (NW Spain) for the last 28 years. <i>Ocean Dynamics</i> , 2019, 69, 861-873.	0.9	19
71	Trophic indices for micronektonic fishes reveal their dependence on the microbial system in the North Atlantic. <i>Scientific Reports</i> , 2021, 11, 8488.	1.6	19
72	Seasonal variations in upwelling and in the grazing impact of copepods on phytoplankton off A Coruña (Galicia, NW Spain). <i>Journal of Experimental Marine Biology and Ecology</i> , 2003, 297, 85-105.	0.7	18

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73	Temporal variability of diazotroph community composition in the upwelling region off NW Iberia. <i>Scientific Reports</i> , 2019, 9, 3737.	1.6	18
74	Continental and marine sources of organic matter and nitrogen for rÃas of northern Galicia (Spain). <i>Marine Ecology - Progress Series</i> , 2011, 437, 13-26.	0.9	18
75	The effects of a winter upwelling on biogeochemical and planktonic components in an area close to the Galician Upwelling Core: The Sound of CorcubiÃn (NW Spain). <i>Journal of Sea Research</i> , 2010, 64, 260-272.	0.6	17
76	Comparing copepod time-series in the north of Spain: Spatial autocorrelation of community composition. <i>Progress in Oceanography</i> , 2012, 97-100, 108-119.	1.5	17
77	Functional differences in the allometry of the water, carbon and nitrogen content of gelatinous organisms. <i>Journal of Plankton Research</i> , 2015, 37, 989-1000.	0.8	17
78	Fate of organic matter in the RÃa de Ferrol (Galicia, NW Spain): uptake by pelagic bacteria vs. particle sedimentation. <i>Acta Oecologica</i> , 2003, 24, S77-S86.	0.5	16
79	Dissolved Organic Nitrogen Release and Bacterial Activity in the Upper Layers of the Atlantic Ocean. <i>Microbial Ecology</i> , 2006, 51, 487-500.	1.4	16
80	Climate and Local Hydrography Underlie Recent Regime Shifts in Plankton Communities off Galicia (NW Spain). <i>Oceans</i> , 2020, 1, 181-197.	0.6	15
81	Enhanced bacterioplankton activity after the 'Prestige' oil spill off Galicia, NW Spain. <i>Aquatic Microbial Ecology</i> , 2006, 43, 33-41.	0.9	15
82	Mesoscale estimations of primary production in shelf waters: a case study in the Golfo Artabro (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	14
83	Experimental assessment of the macroalgae <i>Ascophyllum nodosum</i> and <i>Fucus vesiculosus</i> for monitoring N sources at different time-scales using stable isotope composition. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 466, 24-33.	0.7	14
84	Planktonic carbon and nitrogen cycling off northwest Spain: variations in production of particulate and dissolved organic pools. <i>Aquatic Microbial Ecology</i> , 2004, 37, 95-107.	0.9	14
85	Spain's Earth Scientists and the Oil Spill. <i>Science</i> , 2003, 299, 511b-511.	6.0	13
86	The relative effects of upwelling and river flow on the phytoplankton diversity patterns in the ria of A CoruÃa (NW Spain). <i>Marine Biology</i> , 2017, 164, 93.	0.7	13
87	Trophic Diversity of Plankton in the Epipelagic and Mesopelagic Layers of the Tropical and Equatorial Atlantic Determined with Stable Isotopes. <i>Diversity</i> , 2018, 10, 48.	0.7	13
88	Zooplankton Taxonomic and Trophic Community Structure Across Biogeochemical Regions in the Eastern South Pacific. <i>Frontiers in Marine Science</i> , 2019, 5, .	1.2	13
89	The influence of nitrogen inputs on biomass and trophic structure of ocean plankton: a study using biomass and stable isotope size-spectra. <i>Journal of Plankton Research</i> , 2016, 38, 1163-1177.	0.8	12
90	Shifts between gelatinous and crustacean plankton in a coastal upwelling region. <i>ICES Journal of Marine Science</i> , 2013, 70, 934-942.	1.2	11

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91	Growth and production of new recruits and adult individuals of <i>Ascophyllum nodosum</i> in a non-harvested population at its southern limit (Galicia, NW Spain). <i>Marine Biology</i> , 2014, 161, 2885-2895.	0.7	11
92	Large-scale meridional and zonal variability in the nitrogen isotopic composition of plankton in the Atlantic Ocean. <i>Journal of Plankton Research</i> , 2014, 36, 1060-1073.	0.8	11
93	A trophic index for sardine (<i>Sardina pilchardus</i>) and its relationship to population abundance in the southern Bay of Biscay and adjacent waters of the NE Atlantic. <i>Progress in Oceanography</i> , 2018, 166, 139-147.	1.5	11
94	Trophic position of twelve dominant pelagic copepods in the eastern tropical Pacific Ocean. <i>Journal of Marine Systems</i> , 2018, 187, 13-22.	0.9	11
95	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
96	Differential processing of anthropogenic carbon and nitrogen in benthic food webs of A Coruña (NW) Tj ETQq0 0 0 rgBT /Overlock 10 198-206.	0.6	10
97	Toward a mechanistic understanding of trophic structure: inferences from simulating stable isotope ratios. <i>Marine Biology</i> , 2018, 165, 147.	0.7	10
98	Marine megafauna niche coexistence and hotspot areas in a temperate ecosystem. <i>Continental Shelf Research</i> , 2019, 186, 77-87.	0.9	10
99	Three decades of continuous ocean observations in North Atlantic Spanish waters: The RADIALES time series project, context, achievements and challenges. <i>Progress in Oceanography</i> , 2021, 198, 102671.	1.5	10
100	Abundancia y producción de las bacterias pelágicas en la región sur del Golfo de Vizcaya durante el verano. <i>Scientia Marina</i> , 1998, 62, .	0.3	10
101	Ecology of <i>Fucus vesiculosus</i> (Phaeophyceae) at its southern distributional limit: growth and production of early developmental stages. <i>European Journal of Phycology</i> , 2015, 50, 247-259.	0.9	9
102	Dissolved and particulate organic nitrogen in shelf waters of northern Spain during spring. <i>Marine Ecology - Progress Series</i> , 2001, 214, 43-54.	0.9	9
103	PRODUCTION OF THE INTERTIDAL CHITON ACANTHOCHITONA CRINITA WITHIN A COMMUNITY OF CORALLINA ELONGATA (RHODOPHYTA). <i>Journal of Molluscan Studies</i> , 1989, 55, 37-44.	0.4	8
104	Stable nitrogen isotopes reveal weak dependence of trophic position of planktivorous fish on individual size: A consequence of omnivorism and mobility. <i>Radioactivity in the Environment</i> , 2006, 8, 281-293.	0.2	8
105	Variability of biochemical composition and size distributions of seston in the euphotic zone of the Bay of Biscay: implications for microplankton trophic structure. <i>Marine Biology</i> , 1992, 114, 147-155.	0.7	8
106	Vertical zonation of bacterial assemblages attributed to physical stratification during the summer relaxation of the coastal upwelling off Galicia (NW Spain). <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106791.	0.9	7
107	Effects of Upwelling Intensity on Nitrogen and Carbon Fluxes through the Planktonic Food Web off A Coruña (Galicia, NW Spain) Assessed with Stable Isotopes. <i>Diversity</i> , 2020, 12, 121.	0.7	6
108	Trophic Structure of Neuston Across Tropical and Subtropical Oceanic Provinces Assessed With Stable Isotopes. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	6

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109	Trophic positions of mesozooplankton across the North Atlantic: estimates derived from biovolume spectrum theories and stable isotope analyses. <i>Journal of Plankton Research</i> , 2016, , .	0.8	5
110	Zonal and depth patterns in the trophic and community structure of hyperiid amphipods in the Southeast Pacific.. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 165, 103402.	0.6	5
111	Yellow-legged gull eggs (<i>Larus michahellis</i>) as persistent organic pollutants and trace metal bioindicator for two nearby areas with different human impact. <i>Environmental Research</i> , 2020, 190, 110026.	3.7	5
112	The microbial contribution to the trophic position of stomiiform fishes. <i>ICES Journal of Marine Science</i> , 2021, 78, 3245-3253.	1.2	5
113	Empirical leucine-to-carbon conversion factors in north-eastern Atlantic waters (50°N-2000m) shaped by bacterial community composition and optical signature of DOM. <i>Scientific Reports</i> , 2021, 11, 24370.	1.6	4
114	Quantifying the overestimation of planktonic N ₂ fixation due to contamination of 15N ₂ gas stocks. <i>Journal of Plankton Research</i> , 2019, 41, 567-570.	0.8	3
115	Amino Acid ¹⁵ N Can Detect Diet Effects on Pollution Risks for Yellow-Legged Gulls Overlooked by Trophic Position. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	2
116	Seasonal Patterns of Dark Carbon Incorporation by Natural Phytoplankton Assemblages in the Central Cantabrian Sea (Bay of Biscay). <i>Marine Ecology</i> , 1993, 14, 175-183.	0.4	1
117	MDPI Oceans: A New Publication Channel for Open Access Science Focused on the Ocean. <i>Oceans</i> , 2019, 1, 1-5.	0.6	1