

XosÃ© Anxelu G MorÃ¡n

List of Publications by Year in descending order

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120
papers

5,411
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81743

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#	ARTICLE	IF	CITATIONS
1	Diel dynamics of dissolved organic matter and heterotrophic prokaryotes reveal enhanced growth at the ocean's mesopelagic fish layer during daytime. <i>Science of the Total Environment</i> , 2022, 804, 150098.	3.9	9
2	Stylophora under stress: A review of research trends and impacts of stressors on a model coral species. <i>Science of the Total Environment</i> , 2022, 816, 151639.	3.9	8
3	Dynamics of phytoplankton groups in three contrasting situations of the open NW Mediterranean Sea revealed by pigment, microscopy, and flow cytometry analyses. <i>Progress in Oceanography</i> , 2022, 201, 102737.	1.5	8
4	High-Frequency Variability of Bacterioplankton in Response to Environmental Drivers in Red Sea Coastal Waters. <i>Frontiers in Microbiology</i> , 2022, 13, 780530.	1.5	1
5	High summer temperatures amplify functional differences between coral- and algae-dominated reef communities. <i>Ecology</i> , 2021, 102, e03226.	1.5	15
6	Heterotrophic bacterioplankton responses in coral- and algae-dominated Red Sea reefs show they might benefit from future regime shift. <i>Science of the Total Environment</i> , 2021, 751, 141628.	3.9	14
7	High Summer Temperatures Amplify Functional Differences Between Coral- and Algae-Dominated Reef Communities. <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01822.	0.2	0
8	Fine-scale metabolic discontinuity in a stratified prokaryote microbiome of a Red Sea deep halocline. <i>ISME Journal</i> , 2021, 15, 2351-2365.	4.4	11
9	Seasonal dynamics of natural <i>Ostreococcus</i> viral infection at the single cell level using <i>VirusFISH</i> . <i>Environmental Microbiology</i> , 2021, 23, 3009-3019.	1.8	10
10	Temperature Responses of Heterotrophic Bacteria in Co-culture With a Red Sea <i>Synechococcus</i> Strain. <i>Frontiers in Microbiology</i> , 2021, 12, 612732.	1.5	3
11	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. <i>Marine Pollution Bulletin</i> , 2021, 168, 112444.	2.3	7
12	Localized effects of offshore aquaculture on water quality in a tropical sea. <i>Marine Pollution Bulletin</i> , 2021, 171, 112732.	2.3	5
13	Picoplankton Diel Variability and Estimated Growth Rates in Epipelagic and Mesopelagic Waters of the Central Red Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	1
14	Heterotrophic Bacterioplankton Growth and Physiological Properties in Red Sea Tropical Shallow Ecosystems With Different Dissolved Organic Matter Sources. <i>Frontiers in Microbiology</i> , 2021, 12, 784325.	1.5	2
15	Light supports cell integrity and growth rates of taxonomically diverse coastal photoheterotrophs. <i>Environmental Microbiology</i> , 2020, 22, 3823-3837.	1.8	6
16	The role of seagrass vegetation and local environmental conditions in shaping benthic bacterial and macroinvertebrate communities in a tropical coastal lagoon. <i>Scientific Reports</i> , 2020, 10, 13550.	1.6	32
17	Changes in Population Age-Structure Obscure the Temperature-Size Rule in Marine Cyanobacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 2059.	1.5	4
18	Past and Future Grand Challenges in Marine Ecosystem Ecology. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	52

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19	Weekly variations of viruses and heterotrophic nanoflagellates and their potential impact on bacterioplankton in shallow waters of the central Red Sea. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	19
20	Warming the phycosphere: Differential effect of temperature on the use of diatom-derived carbon by two copiotrophic bacterial taxa. <i>Environmental Microbiology</i> , 2020, 22, 1381-1396.	1.8	12
21	Transcriptional Patterns of Biogeochemically Relevant Marker Genes by Temperate Marine Bacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 465.	1.5	9
22	Responses of physiological groups of tropical heterotrophic bacteria to temperature and dissolved organic matter additions: food matters more than warming. <i>Environmental Microbiology</i> , 2020, 22, 1930-1943.	1.8	17
23	Major imprint of surface plankton on deep ocean prokaryotic structure and activity. <i>Molecular Ecology</i> , 2020, 29, 1820-1838.	2.0	39
24	Seasonal variability and vertical distribution of autotrophic and heterotrophic picoplankton in the Central Red Sea. <i>PeerJ</i> , 2020, 8, e8612.	0.9	18
25	Factors Regulating the Relationship Between Total and Size-Fractionated Chlorophyll-a in Coastal Waters of the Red Sea. <i>Frontiers in Microbiology</i> , 2019, 10, 1964.	1.5	23
26	The Red Sea: Environmental Gradients Shape a Natural Laboratory in a Nascent Ocean. <i>Coral Reefs of the World</i> , 2019, , 1-10.	0.3	32
27	Feeding and respiration by giant barrel sponges across a gradient of food abundance in the Red Sea. <i>Limnology and Oceanography</i> , 2019, 64, 1790-1801.	1.6	31
28	Impact of grazing, resource availability and light on prokaryotic growth and diversity in the oligotrophic surface global ocean. <i>Environmental Microbiology</i> , 2019, 21, 1482-1496.	1.8	24
29	Dissolved organic carbon contribution to oxygen respiration in the central Red Sea. <i>Scientific Reports</i> , 2019, 9, 4690.	1.6	38
30	Dissolved Organic Carbon Source Influences Tropical Coastal Heterotrophic Bacterioplankton Response to Experimental Warming. <i>Frontiers in Microbiology</i> , 2019, 10, 2807.	1.5	17
31	Drivers of Microbial Carbon Fluxes Variability in Two Oligotrophic Mediterranean Coastal Systems. <i>Scientific Reports</i> , 2019, 9, 17669.	1.6	13
32	Characterization of light absorption by chromophoric dissolved organic matter (CDOM) in the upper layer of the Red Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 133, 72-84.	0.6	9
33	Factors controlling the community structure of picoplankton in contrasting marine environments. <i>Biogeosciences</i> , 2018, 15, 6199-6220.	1.3	44
34	The Mesopelagic Scattering Layer: A Hotspot for Heterotrophic Prokaryotes in the Red Sea Twilight Zone. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	43
35	Molecular analyses of protists in long-term observation programmesâ€”current status and future perspectives. <i>Journal of Plankton Research</i> , 2018, 40, 519-536.	0.8	47
36	Temperature sensitivities of microbial plankton net growth rates are seasonally coherent and linked to nutrient availability. <i>Environmental Microbiology</i> , 2018, 20, 3798-3810.	1.8	28

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37	Diel dynamics and coupling of heterotrophic prokaryotes and dissolved organic matter in epipelagic and mesopelagic waters of the central Red Sea. <i>Environmental Microbiology</i> , 2018, 20, 2990-3000.	1.8	22
38	Low activity of lytic pelagiphages in coastal marine waters. <i>ISME Journal</i> , 2018, 12, 2100-2102.	4.4	23
39	Large Plankton Enhance Heterotrophy Under Experimental Warming in a Temperate Coastal Ecosystem. <i>Ecosystems</i> , 2018, 21, 1139-1154.	1.6	13
40	Low Abundances but High Growth Rates of Coastal Heterotrophic Bacteria in the Red Sea. <i>Frontiers in Microbiology</i> , 2018, 9, 3244.	1.5	39
41	Picophytoplankton intaglios in temperate waters of the southern Bay of Biscay. <i>Aquatic Microbial Ecology</i> , 2018, 82, 177-197.	0.9	0
42	Temperature regulation of marine heterotrophic prokaryotes increases latitudinally as a breach between bottomâ€p and topâ€d controls. <i>Global Change Biology</i> , 2017, 23, 3956-3964.	4.2	48
43	Warming and organic matter sources impact the proportion of dissolved to total activities in marine extracellular enzymatic rates. <i>Biogeochemistry</i> , 2017, 133, 307-316.	1.7	29
44	Temperature dependence of plankton community metabolism in the subtropical and tropical oceans. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1141-1154.	1.9	12
45	Elevated temperature increases carbon and nitrogen fluxes between phytoplankton and heterotrophic bacteria through physical attachment. <i>ISME Journal</i> , 2017, 11, 641-650.	4.4	60
46	Testing the metabolic theory of ecology with marine bacteria: different temperature sensitivity of major phylogenetic groups during the spring phytoplankton bloom. <i>Environmental Microbiology</i> , 2017, 19, 4493-4505.	1.8	39
47	Unveiling the role and life strategies of viruses from the surface to the dark ocean. <i>Science Advances</i> , 2017, 3, e1602565.	4.7	113
48	Distribution of phytoplankton groups within the deep chlorophyll maximum. <i>Limnology and Oceanography</i> , 2017, 62, 665-685.	1.6	64
49	Depth Dependent Relationships between Temperature and Ocean Heterotrophic Prokaryotic Production. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	37
50	Experimental Warming Decreases the Average Size and Nucleic Acid Content of Marine Bacterial Communities. <i>Frontiers in Microbiology</i> , 2016, 7, 730.	1.5	28
51	Drivers of fluorescent dissolved organic matter in the global epipelagic ocean. <i>Limnology and Oceanography</i> , 2016, 61, 1101-1119.	1.6	53
52	Vertical distribution of major photosynthetic picoeukaryotic groups in stratified marine waters. <i>Environmental Microbiology</i> , 2016, 18, 1578-1590.	1.8	26
53	Nutrient supply controls picoplankton community structure during three contrasting seasons in the northwestern Mediterranean Sea. <i>Marine Ecology - Progress Series</i> , 2016, 543, 1-19.	0.9	41
54	Size-dependent photoacclimation of the phytoplankton community in temperate shelf waters (southern Bay of Biscay). <i>Marine Ecology - Progress Series</i> , 2016, 543, 73-87.	0.9	11

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55	Seasonal patterns in phytoplankton photosynthetic parameters and primary production at a coastal NW Mediterranean site. <i>Scientia Marina</i> , 2016, 80, 63-77.	0.3	57
56	Seasonality in molecular and cytometric diversity of marine bacterioplankton: the reãshuffling of bacterial taxa by vertical mixing. <i>Environmental Microbiology</i> , 2015, 17, 4133-4142.	1.8	45
57	The hidden seasonality of the rare biosphere in coastal marine bacterioplankton. <i>Environmental Microbiology</i> , 2015, 17, 3766-3780.	1.8	109
58	Temperature affects the sizeãstructure of phytoplankton communities in the ocean. <i>Limnology and Oceanography</i> , 2015, 60, 733-738.	1.6	44
59	Photosynthetic parameters and primary production, with focus on large phytoplankton, in a temperate mid-shelf ecosystem. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 154, 255-263.	0.9	21
60	Sample Dilution and Bacterial Community Composition Influence Empirical Leucine-to-Carbon Conversion Factors in Surface Waters of the World's Oceans. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8224-8232.	1.4	15
61	Flow Cytometric Determination of Microbial Abundances and Its Use to Obtain Indices of Community Structure and Relative Activity. <i>Springer Protocols</i> , 2015, , 159-187.	0.1	81
62	Temperature dependences of growth rates and carrying capacities of marine bacteria depart from metabolic theoretical predictions. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv111.	1.3	40
63	More, smaller bacteria in response to ocean's warming?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150371.	1.2	84
64	Heterotrophic bacterial responses to the winterãspring phytoplankton bloom in open waters of the NW Mediterranean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 96, 59-68.	0.6	28
65	Annual cycles of bacterioplankton biomass and production suggest a general switch between temperature and resource control in temperate coastal ecosystems. <i>Journal of Plankton Research</i> , 2014, 36, 859-865.	0.8	17
66	Automated clustering of heterotrophic bacterioplankton in flow cytometry data. <i>Aquatic Microbial Ecology</i> , 2014, 72, 175-185.	0.9	10
67	Differential response of microbial plankton to nutrient inputs in oligotrophic versus mesotrophic waters of the North Atlantic. <i>Marine Biology Research</i> , 2013, 9, 358-370.	0.3	6
68	Carbon fluxes through estuarine bacteria reflect coupling with phytoplankton. <i>Marine Ecology - Progress Series</i> , 2013, 489, 75-85.	0.9	24
69	Photoacclimation of picophytoplankton in the central Cantabrian Sea. <i>Marine Ecology - Progress Series</i> , 2013, 493, 43-56.	0.9	7
70	Dynamics of heterotrophic bacteria in temperate coastal waters: similar net growth but different controls in low and high nucleic acid cells. <i>Aquatic Microbial Ecology</i> , 2012, 67, 211-223.	0.9	21
71	Decadal variability in chlorophyll and primary Æproduction off NW Spain. <i>Climate Research</i> , 2011, 48, 293-305.	0.4	33
72	Independence of bacteria on phytoplankton? Insufficient support for Fouilland & Mostajir's (2010) suggested new concept. <i>FEMS Microbiology Ecology</i> , 2011, 78, 203-205.	1.3	15

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73	Relationships Between Coastal Bacterioplankton Growth Rates and Biomass Production: Comparison of Leucine and Thymidine Uptake with Single-Cell Physiological Characteristics. <i>Microbial Ecology</i> , 2011, 61, 328-341.	1.4	22
74	Single-cell physiological structure and growth rates of heterotrophic bacteria in a temperate estuary (Waquoit Bay, Massachusetts). <i>Limnology and Oceanography</i> , 2011, 56, 37-48.	1.6	44
75	Decrease in the Autotrophic-to-Heterotrophic Biomass Ratio of Picoplankton in Oligotrophic Marine Waters Due to Bottle Enclosure. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5739-5746.	1.4	84
76	Changes in bacterioplankton and phytoplankton community composition in response to nutrient additions in coastal waters off the NW Iberian Peninsula. <i>Marine Ecology - Progress Series</i> , 2011, 426, 87-104.	0.9	20
77	Increasing importance of small phytoplankton in a warmer ocean. <i>Global Change Biology</i> , 2010, 16, 1137-1144.	4.2	471
78	Response of heterotrophic and autotrophic microbial plankton to inorganic and organic inputs along a latitudinal transect in the Atlantic Ocean. <i>Biogeosciences</i> , 2010, 7, 1701-1713.	1.3	29
79	Changes in bacterial activity and community composition caused by exposure to a simulated oil spill in microcosm and mesocosm experiments. <i>Aquatic Microbial Ecology</i> , 2010, 59, 169-183.	0.9	21
80	Particulate and dissolved primary production by contrasting phytoplankton assemblages during mesocosm experiments in the Ria de Vigo (NW Spain). <i>Journal of Plankton Research</i> , 2010, 32, 1231-1240.	0.8	18
81	Degree of oligotrophy controls the response of microbial plankton to Saharan dust. <i>Limnology and Oceanography</i> , 2010, 55, 2339-2352.	1.6	134
82	Total and phytoplankton mediated bottom-up control of bacterioplankton change with temperature in NE Atlantic shelf waters. <i>Aquatic Microbial Ecology</i> , 2010, 58, 229-239.	0.9	37
83	Effects of inorganic and organic nutrient inputs on bacterioplankton community composition along a latitudinal transect in the Atlantic Ocean. <i>Aquatic Microbial Ecology</i> , 2010, 60, 299-313.	0.9	33
84	Lagrangian study of microbial plankton respiration in the subtropical North Atlantic Ocean: bacterial contribution and short-term temporal variability. <i>Aquatic Microbial Ecology</i> , 2010, 61, 31-43.	0.9	12
85	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
86	Size-fractionated phytoplankton biomass and production in the tropical Atlantic. <i>Scientia Marina</i> , 2010, 75, 379-389.	0.3	17
87	Empirical Leucine-to-Carbon Conversion Factors for Estimating Heterotrophic Bacterial Production: Seasonality and Predictability in a Temperate Coastal Ecosystem. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3216-3221.	1.4	36
88	Effect of a simulated oil spill on natural assemblages of marine phytoplankton enclosed in microcosms. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 83, 265-276.	0.9	114
89	Microbial growth in the polar oceans – role of temperature and potential impact of climate change. <i>Nature Reviews Microbiology</i> , 2009, 7, 451-459.	13.6	297
90	Single-cell vs. bulk activity properties of coastal bacterioplankton over an annual cycle in a temperate ecosystem. <i>FEMS Microbiology Ecology</i> , 2009, 67, 43-56.	1.3	31

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91	Seasonality of picophytoplankton chlorophyll a and biomass in the central Cantabrian Sea, southern Bay of Biscay. <i>Journal of Marine Systems</i> , 2008, 72, 271-281.	0.9	53
92	Towards a better understanding of microbial carbon flux in the sea*. <i>Aquatic Microbial Ecology</i> , 2008, 53, 21-38.	0.9	81
93	Mismatch between community respiration and the contribution of heterotrophic bacteria in the NE Atlantic open ocean: What causes high respiration in oligotrophic waters?. <i>Journal of Marine Research</i> , 2007, 65, 545-560.	0.3	20
94	RESOURCE LIMITATION OF BACTERIAL PRODUCTION DISTORTS THE TEMPERATURE DEPENDENCE OF OCEANIC CARBON CYCLING. <i>Ecology</i> , 2007, 88, 817-822.	1.5	194
95	Annual cycle of picophytoplankton photosynthesis and growth rates in a temperate coastal ecosystem: a major contribution to carbon fluxes. <i>Aquatic Microbial Ecology</i> , 2007, 49, 267-279.	0.9	51
96	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
97	Planktonic carbon budget in the eastern subtropical North Atlantic. <i>Aquatic Microbial Ecology</i> , 2007, 48, 261-275.	0.9	28
98	Vertical distribution of phytoplankton biomass, production and growth in the Atlantic subtropical gyres. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 1616-1634.	0.6	95
99	Response of Southern Ocean phytoplankton and bacterioplankton production to short-term experimental warming. <i>Limnology and Oceanography</i> , 2006, 51, 1791-1800.	1.6	56
100	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
101	Seasonal dynamics of picoplankton in shelf waters of the southern Bay of Biscay. <i>Aquatic Microbial Ecology</i> , 2006, 42, 159-174.	0.9	164
102	Estimating the carbon flux through main phytoplankton groups in the northwestern Mediterranean. <i>Limnology and Oceanography</i> , 2005, 50, 1447-1458.	1.6	46
103	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
104	Winter pelagic photosynthesis in the NW Mediterranean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 1806-1822.	0.6	36
105	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
106	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
107	Size-fractionated primary production, bacterial production and net community production in subtropical and tropical domains of the oligotrophic NE Atlantic in autumn. <i>Marine Ecology - Progress Series</i> , 2004, 274, 17-29.	0.9	61
108	Potential causes for the unequal contribution of picophytoplankton to total biomass and productivity in oligotrophic waters. <i>Marine Ecology - Progress Series</i> , 2003, 254, 101-109.	0.9	44

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109	Phytoplankton size distribution and growth rates in the Alboran Sea (SW Mediterranean): short term variability related to mesoscale hydrodynamics. <i>Journal of Plankton Research</i> , 2002, 24, 1019-1033.	0.8	99
110	Phytoplanktonic DOC and POC production in the Bransfield and Gerlache Straits as derived from kinetic experiments of ¹⁴ C incorporation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 769-786.	0.6	54
111	Dissolved Primary Production and the Strength of Phytoplankton? Bacterioplankton Coupling in Contrasting Marine Regions. <i>Microbial Ecology</i> , 2002, 44, 217-223.	1.4	151
112	Partitioning of phytoplanktonic organic carbon production and bacterial production along a coastal-offshore gradient in the NE Atlantic during different hydrographic regimes. <i>Aquatic Microbial Ecology</i> , 2002, 29, 239-252.	0.9	44
113	Physical-biological coupling in the Algerian Basin (SW Mediterranean): Influence of mesoscale instabilities on the biomass and production of phytoplankton and bacterioplankton. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2001, 48, 405-437.	0.6	98
114	Light Conditions Affect the Measurement of Oceanic Bacterial Production via Leucine Uptake. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3795-3801.	1.4	40
115	Short-term variability of photosynthetic parameters and particulate and dissolved primary production in the Alboran Sea (SW Mediterranean). <i>Marine Ecology - Progress Series</i> , 2001, 212, 53-67.	0.9	92
116	Dissolved and particulate primary production and bacterial production in offshore Antarctic waters during austral summer: coupled or uncoupled?. <i>Marine Ecology - Progress Series</i> , 2001, 222, 25-39.	0.9	66
117	Effects of filtration on bacterial activity and picoplankton community structure as assessed by flow cytometry. <i>Aquatic Microbial Ecology</i> , 1999, 16, 251-264.	0.9	112
118	A comparison between glass fiber and membrane filters for the estimation of phytoplankton POC and DOC production. <i>Marine Ecology - Progress Series</i> , 1999, 187, 31-41.	0.9	78
119	Factors affecting food preference in a widespread intertidal isopod. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994, 182, 111-121.	0.7	16
120	Red Sea Fishes That Travel Into the Deep Ocean Daily. <i>Frontiers for Young Minds</i> , 0, 8, .	0.8	0