

Laura Alonso-SÃ¡ez

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,916
citations

136940

32
h-index

149686

56
g-index

57
all docs

57
docs citations

57
times ranked

4573
citing authors

#	ARTICLE	IF	CITATIONS
1	Role for urea in nitrification by polar marine Archaea. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17989-17994.	7.1	253
2	Genome analysis of the proteorhodopsin-containing marine bacterium <i>Polaribacter</i> sp. MED152 (Flavobacteria). Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8724-8729.	7.1	231
3	Significant year-round effect of small mixotrophic flagellates on bacterioplankton in an oligotrophic coastal system. Limnology and Oceanography, 2007, 52, 456-469.	3.1	226
4	Novel primers for 16S rRNA-based archaeal community analyses in environmental samples. Journal of Microbiological Methods, 2011, 84, 12-18.	1.6	218
5	Seasonality in bacterial diversity in north-west Mediterranean coastal waters: assessment through clone libraries, fingerprinting and FISH. FEMS Microbiology Ecology, 2007, 60, 98-112.	2.7	195
6	Seasonal Variations in the Contributions of Different Bacterial Groups to the Uptake of Low-Molecular-Weight Compounds in Northwestern Mediterranean Coastal Waters. Applied and Environmental Microbiology, 2007, 73, 3528-3535.	3.1	194
7	Seasonal changes in bacterioplankton nutrient limitation and their effects on bacterial community composition in the NW Mediterranean Sea. Aquatic Microbial Ecology, 2006, 44, 241-252.	1.8	163
8	Ecosystems monitoring powered by environmental genomics: A review of current strategies with an implementation roadmap. Molecular Ecology, 2021, 30, 2937-2958.	3.9	149
9	Winter-to-summer changes in the composition and single-cell activity of near-surface Arctic prokaryotes. Environmental Microbiology, 2008, 10, 2444-2454.	3.8	145
10	Effect of Natural Sunlight on Bacterial Activity and Differential Sensitivity of Natural Bacterioplankton Groups in Northwestern Mediterranean Coastal Waters. Applied and Environmental Microbiology, 2006, 72, 5806-5813.	3.1	140
11	High bicarbonate assimilation in the dark by Arctic bacteria. ISME Journal, 2010, 4, 1581-1590.	9.8	131
12	Prokaryotic community structure and heterotrophic production in a river-influenced coastal arctic ecosystem. Aquatic Microbial Ecology, 2006, 42, 27-40.	1.8	130
13	Factors Controlling the Year-Round Variability in Carbon Flux Through Bacteria in a Coastal Marine System. Ecosystems, 2008, 11, 397-409.	3.4	121
14	The hidden seasonality of the rare biosphere in coastal marine bacterioplankton. Environmental Microbiology, 2015, 17, 3766-3780.	3.8	109
15	Large-scale variability in surface bacterial carbon demand and growth efficiency in the subtropical northeast Atlantic Ocean. Limnology and Oceanography, 2007, 52, 533-546.	3.1	102
16	Global abundance of planktonic heterotrophic protists in the deep ocean. ISME Journal, 2015, 9, 782-792.	9.8	101
17	More, smaller bacteria in response to ocean's warming?. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150371.	2.6	84
18	Towards a better understanding of microbial carbon flux in the sea*. Aquatic Microbial Ecology, 2008, 53, 21-38.	1.8	81

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19	Dimethylsulfoniopropionate Turnover Is Linked to the Composition and Dynamics of the Bacterioplankton Assemblage during a Microcosm Phytoplankton Bloom. <i>Applied and Environmental Microbiology</i> , 2005, 71, 7650-7660.	3.1	69
20	High-Fat Diet Consumption Induces Microbiota Dysbiosis and Intestinal Inflammation in Zebrafish. <i>Microbial Ecology</i> , 2018, 76, 1089-1101.	2.8	68
21	Bacterial assemblage structure and carbon metabolism along a productivity gradient in the NE Atlantic Ocean. <i>Aquatic Microbial Ecology</i> , 2007, 46, 43-53.	1.8	67
22	Active mesopelagic prokaryotes support high respiration in the subtropical northeast Atlantic Ocean. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	65
23	Differential Sunlight Sensitivity of Picophytoplankton from Surface Mediterranean Coastal Waters. <i>Applied and Environmental Microbiology</i> , 2005, 71, 2154-2157.	3.1	60
24	Elevated temperature increases carbon and nitrogen fluxes between phytoplankton and heterotrophic bacteria through physical attachment. <i>ISME Journal</i> , 2017, 11, 641-650.	9.8	60
25	Annual DMSP contribution to S and C fluxes through phytoplankton and bacterioplankton in a NW Mediterranean coastal site. <i>Aquatic Microbial Ecology</i> , 2009, 57, 43-55.	1.8	55
26	Mesopelagic prokaryotic bulk and single-cell heterotrophic activity and community composition in the NW Africa–Canary Islands coastal-transition zone. <i>Progress in Oceanography</i> , 2009, 83, 189-196.	3.2	53
27	Group-specific effects on coastal bacterioplankton of polyunsaturated aldehydes produced by diatoms. <i>Aquatic Microbial Ecology</i> , 2011, 63, 123-131.	1.8	46
28	Bacterial uptake of low molecular weight organics in the subtropical Atlantic: Are major phylogenetic groups functionally different?. <i>Limnology and Oceanography</i> , 2012, 57, 798-808.	3.1	45
29	Seasonality in molecular and cytometric diversity of marine bacterioplankton: the reshuffling of bacterial taxa by vertical mixing. <i>Environmental Microbiology</i> , 2015, 17, 4133-4142.	3.8	45
30	Winter bloom of a rare betaproteobacterium in the Arctic Ocean. <i>Frontiers in Microbiology</i> , 2014, 5, 425.	3.5	43
31	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.	3.8	39
32	Natural bacterioplankton assemblage composition during blooms of <i>Alexandrium</i> spp. (Dinophyceae) in NW Mediterranean coastal waters. <i>Aquatic Microbial Ecology</i> , 2007, 46, 55-70.	1.8	36
33	Changes in marine prokaryotic community induced by varying types of dissolved organic matter and subsequent grazing pressure. <i>Journal of Plankton Research</i> , 2009, 31, 1373-1383.	1.8	31
34	High archaeal diversity in Antarctic circumpolar deep waters. <i>Environmental Microbiology Reports</i> , 2011, 3, 689-697.	2.4	31
35	Active bacteria and archaea cells fixing bicarbonate in the dark along the water column of a stratified eutrophic lagoon. <i>FEMS Microbiology Ecology</i> , 2011, 77, 370-384.	2.7	31
36	Experimental Warming Decreases the Average Size and Nucleic Acid Content of Marine Bacterial Communities. <i>Frontiers in Microbiology</i> , 2016, 7, 730.	3.5	28

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37	A microbial <i>mandala</i> for environmental monitoring: Predicting multiple impacts on estuarine prokaryote communities of the Bay of Biscay. <i>Molecular Ecology</i> , 2021, 30, 2969-2987.	3.9	26
38	Low activity of lytic pelagiphages in coastal marine waters. <i>ISME Journal</i> , 2018, 12, 2100-2102.	9.8	23
39	Bacterial production and losses to predators along an open ocean productivity gradient in the Subtropical North East Atlantic Ocean. <i>Journal of Plankton Research</i> , 2014, 36, 198-213.	1.8	22
40	Thermal adaptation, phylogeny, and the unimodal size scaling of marine phytoplankton growth. <i>Limnology and Oceanography</i> , 2015, 60, 1212-1221.	3.1	19
41	Number and phylogenetic affiliation of bacteria assimilating dimethylsulfoniopropionate and leucine in the ice-covered coastal Arctic Ocean. <i>Journal of Marine Systems</i> , 2008, 74, 957-963.	2.1	18
42	Leucine-to-carbon empirical conversion factor experiments: does bacterial community structure have an influence?. <i>Environmental Microbiology</i> , 2010, 12, 2988-2997.	3.8	17
43	Independence of bacteria on phytoplankton? Insufficient support for Fouilland & Mostajir's (2010) suggested new concept. <i>FEMS Microbiology Ecology</i> , 2011, 78, 203-205.	2.7	15
44	Polar marine biology science in Portugal and Spain: Recent advances and future perspectives. <i>Journal of Sea Research</i> , 2013, 83, 9-29.	1.6	15
45	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.	3.1	15
46	Contrasting activity patterns determined by BrdU incorporation in bacterial ribotypes from the Arctic Ocean in winter. <i>Frontiers in Microbiology</i> , 2013, 4, 118.	3.5	14
47	Novel <i>Vibrio</i> spp. Strains Producing Omega-3 Fatty Acids Isolated from Coastal Seawater. <i>Marine Drugs</i> , 2020, 18, 99.	4.6	14
48	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.	3.8	12
49	Lake bacterioplankton dynamics over diurnal timescales. <i>Freshwater Biology</i> , 2017, 62, 191-204.	2.4	11
50	Zebrafish Axenic Larvae Colonization with Human Intestinal Microbiota. <i>Zebrafish</i> , 2018, 15, 96-106.	1.1	10
51	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.	3.8	10
52	Transcriptional Patterns of Biogeochemically Relevant Marker Genes by Temperate Marine Bacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 465.	3.5	9
53	Chitosan Films Incorporated with Exopolysaccharides from Deep Seawater <i>Alteromonas</i> sp.. <i>Marine Drugs</i> , 2020, 18, 447.	4.6	8
54	Light supports cell integrity and growth rates of taxonomically diverse coastal photoheterotrophs. <i>Environmental Microbiology</i> , 2020, 22, 3823-3837.	3.8	6

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55	Changes in Population Age-Structure Obscure the Temperature-Size Rule in Marine Cyanobacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 2059.	3.5	4
56	Temperature Responses of Heterotrophic Bacteria in Co-culture With a Red Sea <i>Synechococcus</i> Strain. <i>Frontiers in Microbiology</i> , 2021, 12, 612732.	3.5	3
57	Aquaculture Phage AS-A: Effects on Zebrafish Conventionalised with Human Microbiota. <i>Acta Scientific Microbiology</i> , 2020, 3, 129-136.	0.1	0