Carlos PedrÃ³s-AliÃ³

List of Publications by Year
in descending order

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178 papers	18,168 citations	11608 70 h-index	14702 127 g-index
189 all docs	189 docs citations	189 times ranked	13058 citing authors

#	Article	IF	Citations
1	Unexpected diversity of small eukaryotes in deep-sea Antarctic plankton. Nature, 2001, 409, 603-607.	13.7	838
2	Ecology of marine Bacteroidetes: a comparative genomics approach. ISME Journal, 2013, 7, 1026-1037.	4.4	614
3	Marine microbial diversity: can it be determined?. Trends in Microbiology, 2006, 14, 257-263.	3.5	612
4	The Rare Bacterial Biosphere. Annual Review of Marine Science, 2012, 4, 449-466.	5.1	580
5	Application of Denaturing Gradient Gel Electrophoresis (DGGE) To Study the Diversity of Marine Picoeukaryotic Assemblages and Comparison of DGGE with Other Molecular Techniques. Applied and Environmental Microbiology, 2001, 67, 2942-2951.	1.4	473
6	Study of Genetic Diversity of Eukaryotic Picoplankton in Different Oceanic Regions by Small-Subunit rRNA Gene Cloning and Sequencing. Applied and Environmental Microbiology, 2001, 67, 2932-2941.	1.4	470
7	Changes in archaeal, bacterial and eukaryal assemblages along a salinity gradient by comparison of genetic fingerprinting methods in a multipond solar saltern. Environmental Microbiology, 2002, 4, 338-348.	1.8	433
8	Bacterial Community Structure Associated with a Dimethylsulfoniopropionate-Producing North Atlantic Algal Bloom. Applied and Environmental Microbiology, 2000, 66, 4237-4246.	1.4	402
9	Identification of and Spatio-Temporal Differences between Microbial Assemblages from Two Neighboring Sulfurous Lakes: Comparison by Microscopy and Denaturing Gradient Gel Electrophoresis. Applied and Environmental Microbiology, 2000, 66, 499-508.	1.4	392
10	A Holistic Approach to Marine Eco-Systems Biology. PLoS Biology, 2011, 9, e1001177.	2.6	353
11	Light stimulates growth of proteorhodopsin-containing marine Flavobacteria. Nature, 2007, 445, 210-213.	13.7	349
12	Phylogenetic and Ecological Analysis of Novel Marine Stramenopiles. Applied and Environmental Microbiology, 2004, 70, 3528-3534.	1.4	321
13	A Few Cosmopolitan Phylotypes Dominate Planktonic Archaeal Assemblages in Widely Different Oceanic Provinces. Applied and Environmental Microbiology, 2000, 66, 1777-1787.	1.4	311
14	DISTRIBUTION, PHYLOGENY, AND GROWTH OF COLD-ADAPTED PICOPRASINOPHYTES IN ARCTIC SEAS. Journal of Phycology, 2007, 43, 78-89.	1.0	296
15	Prokaryotic genetic diversity throughout the salinity gradient of a coastal solar saltern. Environmental Microbiology, 2002, 4, 349-360.	1.8	287
16	Pole-to-pole biogeography of surface and deep marine bacterial communities. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17633-17638.	3.3	283
17	Diversity and Distribution of Marine Microbial Eukaryotes in the Arctic Ocean and Adjacent Seas. Applied and Environmental Microbiology, 2006, 72, 3085-3095.	1.4	258
18	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.	3.3	253

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19	Diversity of Picoplanktonic Prasinophytes Assessed by Direct Nuclear SSU rDNA Sequencing of Environmental Samples and Novel Isolates Retrieved from Oceanic and Coastal Marine Ecosystems. Protist, 2004, 155, 193-214.	0.6	235
20	Genome analysis of the proteorhodopsin-containing marine bacterium Polaribacter sp. MED152 (Flavobacteria). Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8724-8729.	3.3	231
21	Viral lysis and bacterivory as prokaryotic loss factors along a salinity gradient. Aquatic Microbial Ecology, 1996, 11, 215-227.	0.9	220
22	Distribution and abundance of uncultured heterotrophic flagellates in the world oceans. Environmental Microbiology, 2006, 8, 1515-1522.	1.8	219
23	Picoeukaryotic diversity in an oligotrophic coastal site studied by molecular and culturing approaches. FEMS Microbiology Ecology, 2004, 50, 231-243.	1.3	204
24	Seasonality in bacterial diversity in north-west Mediterranean coastal waters: assessment through clone libraries, fingerprinting and FISH. FEMS Microbiology Ecology, 2007, 60, 98-112.	1.3	195
25	Role of vertical mixing in controlling the oceanic production of dimethyl sulphide. Nature, 1999, 402, 396-399.	13.7	191
26	Spatial differences in bacterioplankton composition along the Catalan coast (NW Mediterranean) assessed by molecular fingerprinting. FEMS Microbiology Ecology, 2000, 33, 51-59.	1.3	187
27	Coupled dynamics of dimethylsulfoniopropionate and dimethylsulfide cycling and the microbial food web in surface waters of the North Atlantic. Limnology and Oceanography, 2002, 47, 53-61.	1.6	184
28	Seasonal changes in the taxonomic composition of bacterioplankton in a coastal oligotrophic system. Aquatic Microbial Ecology, 2003, 31, 163-174.	0.9	183
29	Late summer community composition and abundance of photosynthetic picoeukaryotes in Norwegian and Barents Seas. Limnology and Oceanography, 2005, 50, 1677-1686.	1.6	177
30	Unveiling the Organisms behind Novel Eukaryotic Ribosomal DNA Sequences from the Ocean. Applied and Environmental Microbiology, 2002, 68, 4554-4558.	1.4	176
31	Marine Bacterial and Archaeal Ion-Pumping Rhodopsins: Genetic Diversity, Physiology, and Ecology. Microbiology and Molecular Biology Reviews, 2016, 80, 929-954.	2.9	173
32	Diel variations in bacterial heterotrophic activity and growth in the northwestern Mediterranean Sea. Marine Ecology - Progress Series, 1998, 164, 107-124.	0.9	170
33	Phototrophic sulfur bacteria in two Spanish lakes: Vertical distribution and limiting factors1. Limnology and Oceanography, 1985, 30, 919-931.	1.6	169
34	Distribution of prokaryotic genetic diversity in athalassohaline lakes of the Atacama Desert, Northern Chile. FEMS Microbiology Ecology, 2004, 48, 57-69.	1.3	163
35	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.	0.9	163
36	Changes in marine bacterioplankton phylogenetic composition during incubations designed to measure biogeochemically significant parameters. Limnology and Oceanography, 2001, 46, 1181-1188.	1.6	162

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37	Unveiling new microbial eukaryotes in the surface ocean. Current Opinion in Microbiology, 2008, 11, 213-218.	2.3	162
38	Dissolved Primary Production and the Strength of Phytoplankton? Bacterioplankton Coupling in Contrasting Marine Regions. Microbial Ecology, 2002, 44, 217-223.	1.4	151
39	Taxonomic composition of the particleâ€attached and freeâ€living bacterial assemblages in the <scp>N</scp>orthwest <scp>M</scp>editerranean <scp>S</scp>ea analyzed by pyrosequencing of the 16S <scp>rRNA</scp>. MicrobiologyOpen, 2013, 2, 541-552.	1.2	151
40	Winterâ€toâ€summer changes in the composition and singleâ€cell activity of nearâ€surface Arctic prokaryotes. Environmental Microbiology, 2008, 10, 2444-2454.	1.8	145
41	Simultaneous measurement of bacterio-plankton production and protozoan bacterivory in estuarine water. Marine Ecology - Progress Series, 1989, 54, 209-219.	0.9	143
42	Biogenic carbon flows through the planktonic food web of the Amundsen Gulf (Arctic Ocean): A synthesis of field measurements and inverse modeling analyses. Progress in Oceanography, 2011, 91, 410-436.	1.5	138
43	Predatory prokaryotes: Predation and primary consumption evolved in bacteria. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 2138-2142.	3.3	136
44	The microbial food web along salinity gradients. , 2000, 32, 143-155.		136
45	High bicarbonate assimilation in the dark by Arctic bacteria. ISME Journal, 2010, 4, 1581-1590.	4.4	131
46	Dipping into the Rare Biosphere. Science, 2007, 315, 192-193.	6.0	129
47	Microheterogeneity in 16S Ribosomal DNA-Defined Bacterial Populations from a Stratified Planktonic Environment Is Related to Temporal Changes and to Ecological Adaptations. Applied and Environmental Microbiology, 2002, 68, 1706-1714.	1.4	124
48	Spatial and temporal variation in marine bacterioplankton diversity as shown by RFLP fingerprinting of PCR amplified 16S rDNA. FEMS Microbiology Ecology, 2006, 24, 27-40.	1.3	123
49	Microdiversity ensures the maintenance of functional microbial communities under changing environmental conditions. ISME Journal, 2019, 13, 2969-2983.	4.4	121
50	Novelty and spatioâ€“temporal heterogeneity in the bacterial diversity of hypersaline Lake Tebenquiche (Salar de Atacama). Extremophiles, 2008, 12, 491-504.	0.9	118
51	Roadmap for naming uncultivated Archaea and Bacteria. Nature Microbiology, 2020, 5, 987-994.	5.9	115
52	Assessing Biomass and Production of Bacteria in Eutrophic Lake Mendota, Wisconsin. Applied and Environmental Microbiology, 1982, 44, 203-218.	1.4	114
53	Regulation of bacterial assemblages in oligotrophic plankton systems: results from experimental and empirical approaches. Antonie Van Leeuwenhoek, 2002, 81, 435-452.	0.7	111
54	Short-term variability in the open ocean cycle of dimethylsulfide. Global Biogeochemical Cycles, 1999, 13, 1173-1181.	1.9	110

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55	Biological turnover of DMS, DMSP and DMSO in contrasting open-sea waters. Marine Ecology - Progress Series, 2000, 203, 1-11.	0.9	109
56	Bacterioplankton and phytoplankton biomass and production during summer stratification in the northwestern Mediterranean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 1999, 46, 985-1019.	0.6	108
57	Deep ocean metagenomes provide insight into the metabolic architecture of bathypelagic microbial communities. Communications Biology, 2021, 4, 604.	2.0	107
58	Comparison of Different Denaturing Gradient Gel Electrophoresis Primer Sets for the Study of Marine Bacterioplankton Communities. Applied and Environmental Microbiology, 2007, 73, 5962-5967.	1.4	102
59	Spatial patterns of bacterial richness and evenness in the NW Mediterranean Sea explored by pyrosequencing of the 16S rRNA. Aquatic Microbial Ecology, 2010, 61, 221-233.	0.9	100
60	Diversity of planktonic photoautotrophic microorganisms along a salinity gradient as depicted by microscopy, flow cytometry, pigment analysis and DNA-based methods. FEMS Microbiology Ecology, 2004, 49, 281-293.	1.3	98
61	Seasonal and spatial variations in the nutrient limitation of bacterioplankton growth in the northwestern Mediterranean. Aquatic Microbial Ecology, 2002, 27, 47-56.	0.9	98
62	Distribution of Microbial Arsenic Reduction, Oxidation and Extrusion Genes along a Wide Range of Environmental Arsenic Concentrations. PLoS ONE, 2013, 8, e78890.	1.1	97
63	The microbial food web along salinity gradients. FEMS Microbiology Ecology, 2000, 32, 143-155.	1.3	95
64	Viral distribution and activity in Antarctic waters. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 827-845.	0.6	88
65	Stimulation of growth by proteorhodopsin phototrophy involves regulation of central metabolic pathways in marine planktonic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3650-8.	3.3	87
66	Use of Microautoradiography Combined with Fluorescence In Situ Hybridization To Determine Dimethylsulfoniopropionate Incorporation by Marine Bacterioplankton Taxa. Applied and Environmental Microbiology, 2004, 70, 4648-4657.	1.4	86
67	The influence of poly-?-hydroxybutyrate accumulation on cell volume and buoyant density in alcaligenes eutrophus. Archives of Microbiology, 1985, 143, 178-184.	1.0	85
68	Patterns and architecture of genomic islands in marine bacteria. BMC Genomics, 2012, 13, 347.	1.2	84
69	Global genetic capacity for mixotrophy in marine picocyanobacteria. ISME Journal, 2016, 10, 2946-2957.	4.4	82
70	Age-Related Differences in the Gastrointestinal Microbiota of Chinstrap Penguins (Pygoscelis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	1.1	79
71	Changes in bacterial and archaeal assemblages in an equatorial river induced by the water eutrophication of Petit Saut dam reservoir (French Guiana). Aquatic Microbial Ecology, 2002, 26, 209-221.	0.9	77
72	Bacterial composition of microbial mats in hot springs in Northern Patagonia: variations with seasons and temperature. Extremophiles, 2013, 17, 123-136.	0.9	75

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73	Dimethylsulfoniopropionate Turnover Is Linked to the Composition and Dynamics of the Bacterioplankton Assemblage during a Microcosm Phytoplankton Bloom. Applied and Environmental Microbiology, 2005, 71, 7650-7660.	1.4	69
74	Metabolic diversity of heterotrophic bacterioplankton over winter and spring in the coastal Arctic Ocean. Environmental Microbiology, 2008, 10, 942-949.	1.8	68
75	High cyanobacterial nifH gene diversity in Arctic seawater and sea ice brine. Environmental Microbiology Reports, 2012, 4, 360-366.	1.0	67
76	Control of heterotrophic prokaryotic abundance and growth rate in hypersaline planktonic environments. Aquatic Microbial Ecology, 2004, 34, 193-206.	0.9	66
77	Dissolved and particulate primary production and bacterial production in offshore Antarctic waters during austral summer: coupled or uncoupled?. Marine Ecology - Progress Series, 2001, 222, 25-39.	0.9	66
78	Microbial Precipitation of Arsenic Sulfides in Andean Salt Flats. Geomicrobiology Journal, 2007, 24, 111-123.	1.0	63
79	The impact of zooplankton feeding on the epilimnetic bacteria of a eutrophic lake. Freshwater Biology, 1983, 13, 227-239.	1.2	61
80	Buoyant density changes due to intracellular content of sulfur in Chromatium warmingii and Chromatium vinosum. Archives of Microbiology, 1984, 137, 350-356.	1.0	60
81	Neptuniibacter caesariensis gen. nov., sp. nov., a novel marine genome-sequenced gammaproteobacterium. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1000-1006.	0.8	58
82	Seasonal changes in planktonic bacterivory rates under the ice-covered coastal Arctic Ocean. Limnology and Oceanography, 2008, 53, 2427-2438.	1.6	58
83	Composition and temporal dynamics of planktonic archaeal assemblages from anaerobic sulfurous environments studied by 16S rDNA denaturing gradient gel electrophoresis and sequencing. Aquatic Microbial Ecology, 2001, 25, 237-246.	0.9	58
84	Leeuwenhoekiella blandensis sp. nov., a genome-sequenced marine member of the family Flavobacteriaceae. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1489-1493.	0.8	57
85	Carbon dioxide fixation in the dark by photosynthetic bacteria in sulfideâ€rich stratified lakes with oxicâ€anoxic interfaces. Limnology and Oceanography, 2008, 53, 1193-1203.	1.6	57
86	Seasonal patterns in phytoplankton photosynthetic parameters and primary production at a coastal NW Mediterranean site. Scientia Marina, 2016, 80, 63-77.	0.3	57
87	Compendium of 530 metagenome-assembled bacterial and archaeal genomes from the polar Arctic Ocean. Nature Microbiology, 2021, 6, 1561-1574.	5.9	57
88	Response of Southern Ocean phytoplankton and bacterioplankton production to shortâ€term experimental warming. Limnology and Oceanography, 2006, 51, 1791-1800.	1.6	56
89	Genomics of the Proteorhodopsin-Containing Marine Flavobacterium Dokdonia sp. Strain MED134. Applied and Environmental Microbiology, 2011, 77, 8676-8686.	1.4	56
90	Diversity of planktonic microorganisms in the Arctic Ocean. Progress in Oceanography, 2015, 139, 233-243.	1.5	52

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91	Distribution of eukaryotic picoplankton assemblages across hydrographic fronts in the Southern Ocean, studied by denaturing gradient gel electrophoresis. Limnology and Oceanography, 2004, 49, 1022-1034.	1.6	51
92	Growth of uncultured heterotrophic flagellates in unamended seawater incubations. Aquatic Microbial Ecology, 2006, 45, 171-180.	0.9	50
93	Enrichment of arsenic transforming and resistant heterotrophic bacteria from sediments of two salt lakes in Northern Chile. Extremophiles, 2012, 16, 523-538.	0.9	49
94	Distribution of viruses and their potential effect on bacterioplankton in an oligotrophic marine system. Aquatic Microbial Ecology, 1999, 19, 205-213.	0.9	49
95	Prokaryotic plankton biomass and heterotrophic production in western Antarctic waters during the 1995â€“1996 Austral summer. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 805-825.	0.6	48
96	Mathematical model for determining the effects of intracytoplasmic inclusions on volume and density of microorganisms. Journal of Bacteriology, 1985, 164, 749-756.	1.0	48
97	Comparative analysis shows that bacterivory, not viral lysis, controls the abundance of heterotrophic prokaryotic plankton. FEMS Microbiology Ecology, 2000, 32, 157-165.	1.3	46
98	Microbial Ecology in Lake CisÃ³. Advances in Microbial Ecology, 1993, , 155-209.	0.1	46
99	On the ecology of a Cryptomonas phaseolus population forming a metalimnetic bloom in Lake CisÃ³, Spain: Annual distribution and loss factors1. Limnology and Oceanography, 1987, 32, 285-298.	1.6	45
100	Physiological ecology of a metalimnetic Cryptomonas population: relationships to light, sulfide and nutrients. Journal of Plankton Research, 1993, 15, 255-275.	0.8	45
101	High-diversity biofilm for the oxidation of sulfide-containing effluents. Applied Microbiology and Biotechnology, 2004, 64, 726-734.	1.7	45
102	Partitioning of phytoplanktonic organic carbon production and bacterial production along a coastal-offshore gradient in the NE Atlantic during different hydrographic regimes. Aquatic Microbial Ecology, 2002, 29, 239-252.	0.9	44
103	Phylogenetic and functional diversity of bacterioplankton during Alexandrium spp. blooms. FEMS Microbiology Ecology, 2005, 54, 257-267.	1.3	43
104	Winter bloom of a rare betaproteobacterium in the Arctic Ocean. Frontiers in Microbiology, 2014, 5, 425.	1.5	43
105	Spatial and temporal dynamics of a metalimnetic Cryptomonas peak. Journal of Plankton Research, 1992, 14, 1565-1579.	0.8	42
106	The influence of temperature and pH on bacterial community composition of microbial mats in hot springs from Costa Rica. MicrobiologyOpen, 2019, 8, e893.	1.2	42
107	Microautoradiography study of thymidine uptake in brackish waters around Sapelo Island, Georgia, USA. Marine Ecology - Progress Series, 1989, 55, 83-94.	0.9	42
108	Predation by ciliates on a metalimnetic Cryptomonas population: feeding rates, impact and effects of vertical migration. Journal of Plankton Research, 1995, 17, 2131-2154.	0.8	41

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109	Role of Anaerobic Ciliates in Planktonic Food Webs: Abundance, Feeding, and Impact on Bacteria in the Field. Applied and Environmental Microbiology, 1994, 60, 1325-1334.	1.4	41
110	Occurrence and transformation of dissolved dimethyl sulfur species in stratified seawater (western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	41
111	5S rRNA fingerprints of marine bacteria, halophilic archaea and natural prokaryotic assemblages along a salinity gradient. FEMS Microbiology Ecology, 2000, 34, 113-119.	1.3	39
112	Diurnal Changes in Active Carbon and Nitrogen Pathways Along the Temperature Gradient in Porcelana Hot Spring Microbial Mat. Frontiers in Microbiology, 2018, 9, 2353.	1.5	36
113	Partitioning of CO2 Incorporation Among Planktonic Microbial Guilds and Estimation of In Situ Specific Growth Rates. Microbial Ecology, 2005, 50, 230-241.	1.4	32
114	Delineation of ecologically distinct units of marine Bacteroidetes in the Northwestern Mediterranean Sea. Molecular Ecology, 2019, 28, 2846-2859.	2.0	31
115	Differential response of grazing and bacterial heterotrophic production to experimental warming in Antarctic waters. Aquatic Microbial Ecology, 2009, 54, 101-112.	0.9	31
116	Spatial distribution of microbial biomass and activity (bacterivory and bacterial production) in the northern Weddell Sea during the austral summer (January 1994). Aquatic Microbial Ecology, 2002, 29, 107-121.	0.9	31
117	Primary production in estuarine oxic/anoxic interfaces: contribution of microbial dark CO2 fixation in the Ebro River Salt Wedge Estuary. Marine Ecology - Progress Series, 2001, 215, 49-56.	0.9	31
118	Diversity of bacterioplankton. Trends in Ecology and Evolution, 1993, 8, 86-90.	4.2	30
119	The vast unknown microbial biosphere. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6585-6587.	3.3	29
120	Active Crossfire Between Cyanobacteria and Cyanophages in Phototrophic Mat Communities Within Hot Springs. Frontiers in Microbiology, 2018, 9, 2039.	1.5	29
121	Distribution of microbial biomass and importance of protists in regulating prokaryotic assemblages in three areas close to the Antarctic Peninsula in spring and summer 1995/96. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 847-867.	0.6	28
122	Impact of Daphnia pulex on a metalimnetic microbial community. Journal of Plankton Research, 1994, 16, 1379-1399.	0.8	27
123	Diversity and distribution of marine heterotrophic bacteria from a large culture collection. BMC Microbiology, 2020, 20, 207.	1.3	27
124	Diel changes in the microstratification of the metalimnetic community in Lake CisÃ³. Hydrobiologia, 1991, 211, 227-240.	1.0	26
125	Picoplankton seasonal variation and community structure in the northeast Adriatic coastal zone. FEMS Microbiology Ecology, 2012, 82, 678-691.	1.3	25
126	Bermanella marisrubri gen. nov., sp. nov., a genome-sequenced gammaproteobacterium from the Red Sea. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 373-377.	0.8	24

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127	Evaluation of DNA extraction methods from complex phototrophic biofilms. Biofouling, 2010, 26, 349-357.	0.8	24
128	Functional annotation of orthologs in metagenomes: a case study of genes for the transformation of oceanic dimethylsulfoniopropionate. ISME Journal, 2019, 13, 1183-1197.	4.4	24
129	Genomics and marine microbial ecology. International Microbiology, 2006, 9, 191-7.	1.1	24
130	Sinking speeds of free-living phototrophic bacteria determined with covered and uncovered traps. Journal of Plankton Research, 1989, 11, 887-905.	0.8	23
131	The phylogenetic and ecological context of cultured and whole genome-sequenced planktonic bacteria from the coastal NW Mediterranean Sea. Systematic and Applied Microbiology, 2014, 37, 216-228.	1.2	22
132	Winter diversity and expression of proteorhodopsin genes in a polar ocean. ISME Journal, 2015, 9, 1835-1845.	4.4	22
133	Factors Determining Annual Changes in Bacterial Photosynthetic Pigments in Holomictic Lake CisÃ³, Spain. Applied and Environmental Microbiology, 1983, 46, 999-1006.	1.4	22
134	Reinekea blandensis sp. nov., a marine, genome-sequenced gammaproteobacterium. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2370-2375.	0.8	21
135	Trophic Ecology of Solar Salterns. , 2004, , 33-48.		20
136	Toward an Autecology of Bacterioplankton. Brock/Springer Series in Contemporary Bioscience, 1989, , 297-336.	0.3	19
137	A Lagrangian biogeochemical study of an eddy in the Northeast Atlantic. Progress in Oceanography, 2008, 76, 366-398.	1.5	19
138	Quantifying the Relative Importance of Phylogeny and Environmental Preferences As Drivers of Gene Content in Prokaryotic Microorganisms. Frontiers in Microbiology, 2016, 7, 433.	1.5	19
139	Thalassocella blandensis gen. nov., sp. nov., a novel member of the family Cellvibrionaceae. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 1231-1239.	0.8	19
140	Number and phylogenetic affiliation of bacteria assimilating dimethylsulfoniopropionate and leucine in the ice-covered coastal Arctic Ocean. Journal of Marine Systems, 2008, 74, 957-963.	0.9	18
141	Ciliates from a fresh water sulfuretum. BioSystems, 1986, 19, 127-135.	0.9	17
142	Comparison of pure cultures and natural assemblages of planktonic photosynthetic sulfur bacteria by low molecular mass RNA fingerprinting. FEMS Microbiology Ecology, 2000, 32, 25-34.	1.3	17
143	Probing the Rare Biosphere of the North-West Mediterranean Sea: An Experiment with High Sequencing Effort. PLoS ONE, 2016, 11, e0159195.	1.1	17
144	Predatory Bacteria in Prokaryotic Communities.. Annals of the New York Academy of Sciences, 1987, 503, 238-250.	1.8	16

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145	Polar marine biology science in Portugal and Spain: Recent advances and future perspectives. Journal of Sea Research, 2013, 83, 9-29.	0.6	15
146	The interactive microbial ocean. Nature Microbiology, 2017, 2, 16255.	5.9	15
147	Identification of phototrophic sulfur bacteria through the analysis of lmwRNA band patterns. Archives of Microbiology, 1998, 170, 269-278.	1.0	13
148	In Situ Assessment on the Physiological State of Purple and Green Sulfur Bacteria through the Analyses of Pigment and 5S rRNA Content. Microbial Ecology, 2001, 42, 427-437.	1.4	13
149	Zooplankton dynamics in Lake Mendota: short-term versus long-term changes. Freshwater Biology, 1985, 15, 89-94.	1.2	12
150	Microbial plankton across Drake Passage. Polar Biology, 1996, 16, 613-622.	0.5	12
151	Composition and Interactions among Bacterial, Microeukaryotic, and T4-like Viral Assemblages in Lakes from Both Polar Zones. Frontiers in Microbiology, 2016, 7, 337.	1.5	12
152	Effects of Temperature, Sulfide, and Food Abundance on Growth and Feeding of Anaerobic Ciliates. Applied and Environmental Microbiology, 1994, 60, 1317-1324.	1.4	12
153	Components, structure and fluxes of the microbial food web in a small, stratified lake. Aquatic Microbial Ecology, 1996, 11, 279-288.	0.9	12
154	Time travel in microorganisms. Systematic and Applied Microbiology, 2021, 44, 126227.	1.2	11
155	Mesonia oceanica sp. nov., isolated from oceans during the Tara oceans expedition, with a preference for mesopelagic waters. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 4329-4338.	0.8	11
156	Dissolved and suspended organic carbon in the Atlantic sector of the Southern Ocean. Stock dynamics in upper ocean waters. Marine Ecology - Progress Series, 2001, 223, 27-38.	0.9	10
157	Selenium as a nutrient for freshwater bacterioplankton and its interactions with phosphorus. Canadian Journal of Microbiology, 1990, 36, 475-483.	0.8	8
158	Influence of primer mismatch and microdiversity on DGGE results: a case study with SAR11. Aquatic Microbial Ecology, 2009, 54, 211-216.	0.9	8
159	Seasonal changes in substrate utilization patterns by bacterioplankton in the Amundsen Gulf (western Arctic). Polar Biology, 2014, 37, 1321-1329.	0.5	7
160	Exploring Microdiversity in Novel Kordia sp. (Bacteroidetes) with Proteorhodopsin from the Tropical Indian Ocean via Single Amplified Genomes. Frontiers in Microbiology, 2017, 8, 1317.	1.5	7
161	Diversity of Microbial Communities: The Case of Solar Salterns. , 2005, , 71-90.		7
162	In situ specific loss and growth rates of purple sulfur bacteria in Lake CisÃƒÂ³. FEMS Microbiology Letters, 1990, 73, 271-281.	0.7	6

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163	Variations in cell size and buoyant density of Escherichia coli K12 during glycogen accumulation. FEMS Microbiology Letters, 1989, 57, 231-236.	0.7	4
164	Abundance and activity of bacterioplankton in warm lakes. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1991, 24, 1212-1219.	0.1	4
165	A method to determine integrated predation in stratified waters. Limnology and Oceanography, 1994, 39, 248-262.	1.6	4
166	Studying marine microorganisms from space. International Microbiology, 2002, 5, 195-200.	1.1	4
167	Draft genome sequences of Cylindrospermopsis raciborskii strains CS-508 and MVCC14, isolated from freshwater bloom events in Australia and Uruguay. Standards in Genomic Sciences, 2018, 13, 26.	1.5	4
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