Laura Gomez-Consarnau

List of Publications by Year
in descending order

24	2,166	430874	610901
papers	citations	18 h-index	24 g-index

26	26	26	2507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Light stimulates growth of proteorhodopsin-containing marine Flavobacteria. Nature, 2007, 445, 210-213.	27.8	349
2	The Role of B Vitamins in Marine Biogeochemistry. Annual Review of Marine Science, 2014, 6, 339-367.	11.6	274
3	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.	7.1	231
4	Proteorhodopsin Phototrophy Promotes Survival of Marine Bacteria during Starvation. PLoS Biology, 2010, 8, e1000358.	5.6	206
5	Multiple B-vitamin depletion in large areas of the coastal ocean. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14041-14045.	7.1	188
6	Response of Alteromonadaceae and Rhodobacteriaceae to glucose and phosphorus manipulation in marine mesocosms. Environmental Microbiology, 2007, 9, 2417-2429.	3.8	143
7	Structuring of bacterioplankton communities by specific dissolved organic carbon compounds. Environmental Microbiology, 2012, 14, 2361-2378.	3.8	141
8	Microbial rhodopsins are major contributors to the solar energy captured in the sea. Science Advances, 2019, 5, eaaw8855.	10.3	97
9	Viral control of bacterial biodiversity â€“ evidence from a nutrientâ€enriched marine mesocosm experiment. Environmental Microbiology, 2009, 11, 2585-2597.	3.8	78
10	Mosaic patterns of Bâ€vitamin synthesis and utilization in a natural marine microbial community. Environmental Microbiology, 2018, 20, 2809-2823.	3.8	59
11	Proteorhodopsin light-enhanced growth linked to vitamin-B1 acquisition in marine Flavobacteria. ISME Journal, 2016, 10, 1102-1112.	9.8	58
12	Leeuwenhoekiella blandensis sp. nov., a genome-sequenced marine member of the family Flavobacteriaceae. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1489-1493.	1.7	57
13	Genomics of the Proteorhodopsin-Containing Marine Flavobacterium Dokdonia sp. Strain MED134. Applied and Environmental Microbiology, 2011, 77, 8676-8686.	3.1	56
14	Aerosol and bacterial emissions from Baltic Seawater. Atmospheric Research, 2011, 99, 1-14.	4.1	49
15	Genomics and Physiology of a Marine Flavobacterium Encoding a Proteorhodopsin and a Xanthorhodopsin-Like Protein. PLoS ONE, 2013, 8, e57487.	2.5	42
16	Seawater mesocosm experiments in the <scp>A</scp>rctic uncover differential transfer of marine bacteria to aerosols. Environmental Microbiology Reports, 2015, 7, 460-470.	2.4	32
17	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.	2.8	22
18	Vitamin B1 in marine sediments: pore water concentration gradient drives benthic flux with potential biological implications. Frontiers in Microbiology, 2015, 6, 434.	3.5	22

#	Article	IF	Citations
19	Proteorhodopsins dominate the expression of phototrophic mechanisms in seasonal and dynamic marine picoplankton communities. PeerJ, 2018, 6, e5798.	2.0	22
20	Environmental gradients and physical barriers drive the basinâ€wide spatial structuring of Mediterranean Sea and adjacent eastern Atlantic Ocean prokaryotic communities. Limnology and Oceanography, 2021, 66, 4077-4095.	3.1	16
21	Microbial rhodopsins are increasingly favoured over chlorophyll in High Nutrient Low Chlorophyll waters. Environmental Microbiology Reports, 2021, 13, 401-406.	2.4	11
22	Spatiotemporal Variation of Microbial Communities in the Ultra-Oligotrophic Eastern Mediterranean Sea. Frontiers in Microbiology, 2022, 13, 867694.	3.5	7
23	Beyond the iron age: the ecological relevance of non-ferrous bioactive trace metals and organic growth factors in aquatic systems. Frontiers in Microbiology, 2015, 6, 218.	3.5	3
24	Growth rateâ€dependent synthesis of halomethanes in marine heterotrophic bacteria and its implications for the ozone layer recovery. Environmental Microbiology Reports, 2021, 13, 77-85.	2.4	3