Ornella Carrion

List of Publications by Year
in descending order

16	1,019	687363 13	888059 17
papers	citations	h-index	g-index

17	17	17	1394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dimethylsulfoniopropionate biosynthesis in marine bacteria and identification of the key gene in this process. Nature Microbiology, 2017, 2, 17009.	13.3	222
2	New Type of Outer Membrane Vesicle Produced by the Gram-Negative Bacterium Shewanella vesiculosa M7 ^T : Implications for DNA Content. Applied and Environmental Microbiology, 2013, 79, 1874-1881.	3.1	203
3	DSYB catalyses the key step of dimethylsulfoniopropionate biosynthesis in many phytoplankton. Nature Microbiology, 2018, 3, 430-439.	13.3	116
4	New emulsifying and cryoprotective exopolysaccharide from Antarctic Pseudomonas sp. ID1. Carbohydrate Polymers, 2015, 117, 1028-1034.	10.2	83
5	Bacteria are important dimethylsulfoniopropionate producers in coastal sediments. Nature Microbiology, 2019, 4, 1815-1825.	13.3	67
6	Bacterial SBP56 identified as a Cu-dependent methanethiol oxidase widely distributed in the biosphere. ISME Journal, 2018, 12, 145-160.	9.8	62
7	Pseudomonas deceptionensis sp. nov., a psychrotolerant bacterium from the Antarctic. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2401-2405.	1.7	55
8	Methanethiol-dependent dimethylsulfide production in soil environments. ISME Journal, 2017, 11, 2379-2390.	9.8	54
9	Biosynthesis of CdS Quantum Dots Mediated by Volatile Sulfur Compounds Released by Antarctic Pseudomonas fragi. Frontiers in Microbiology, 2019, 10, 1866.	3.5	38
10	Gene probing reveals the widespread distribution, diversity and abundance of isoprene-degrading bacteria in the environment. Microbiome, 2018, 6, 219.	11.1	25
11	Methanethiol and Dimethylsulfide Cycling in Stiffkey Saltmarsh. Frontiers in Microbiology, 2019, 10, 1040.	3.5	23
12	Diversity of isoprene-degrading bacteria in phyllosphere and soil communities from a high isoprene-emitting environment: a Malaysian oil palm plantation. Microbiome, 2020, 8, 81.	11.1	23
13	The Production and Fate of Volatile Organosulfur Compounds in Sulfidic and Ferruginous Sediment. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3390-3402.	3.0	14
14	Sphingopyxis sp. Strain OPL5, an Isoprene-Degrading Bacterium from the Sphingomonadaceae Family Isolated from Oil Palm Leaves. Microorganisms, 2020, 8, 1557.	3.6	13
15	Molecular Ecology of Isoprene-Degrading Bacteria. Microorganisms, 2020, 8, 967.	3.6	12
16	The Stack: A New Bacterial Structure Analyzed in the Antarctic Bacterium Pseudomonas deceptionensis M1T by Transmission Electron Microscopy and Tomography. PLoS ONE, 2013, 8, e73297.	2.5	8