Paul M Berube

List of Publications by Year
in descending order

20 papers	3,408 citations	394421 19 h-index	713466 21 g-index
29 all docs	29 docs citations	29 times ranked	4241 citing authors

#	Article	IF	Citations
1	Ammonia oxidation kinetics determine niche separation of nitrifying Archaea and Bacteria. Nature, 2009, 461, 976-979.	27.8	1,394
2	Prochlorococcus: the structure and function of collective diversity. Nature Reviews Microbiology, 2015, 13, 13-27.	28.6	435
3	Widespread metabolic potential for nitrite and nitrate assimilation among Prochlorococcus ecotypes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10787-10792.	7.1	174
4	Charting the Complexity of the Marine Microbiome through Single-Cell Genomics. Cell, 2019, 179, 1623-1635.e11.	28.9	158
5	Wholeâ€genome analysis of the ammoniaâ€oxidizing bacterium, Nitrosomonas eutropha C91: implications for niche adaptation. Environmental Microbiology, 2007, 9, 2993-3007.	3.8	150
6	Marine microbial metagenomes sampled across space and time. Scientific Data, 2018, 5, 180176.	5.3	148
7	Physiology and evolution of nitrate acquisition in Prochlorococcus. ISME Journal, 2015, 9, 1195-1207.	9.8	130
8	Closely related phytoplankton species produce similar suites of dissolved organic matter. Frontiers in Microbiology, 2014, 5, 111.	3.5	124
9	Genomes of diverse isolates of the marine cyanobacterium Prochlorococcus. Scientific Data, 2014, 1, 140034.	5.3	114
10	Ecology of uncultured Prochlorococcus clades revealed through single-cell genomics and biogeographic analysis. ISME Journal, 2013, 7, 184-198.	9.8	105
11	Stress response of a marine ammonia-oxidizing archaeon informs physiological status of environmental populations. ISME Journal, 2018, 12, 508-519.	9.8	82
12	Single cell genomes of Prochlorococcus, Synechococcus, and sympatric microbes from diverse marine environments. Scientific Data, 2018, 5, 180154.	5.3	81
13	Emergence of trait variability through the lens of nitrogen assimilation in Prochlorococcus. ELife, 2019, 8, .	6.0	57
14	Transcription of All amoC Copies Is Associated with Recovery of Nitrosomonas europaea from Ammonia Starvation. Journal of Bacteriology, 2007, 189, 3935-3944.	2.2	45
15	The Divergent AmoC ₃ Subunit of Ammonia Monooxygenase Functions as Part of a Stress Response System in Nitrosomonas europaea. Journal of Bacteriology, 2012, 194, 3448-3456.	2.2	41
16	Evaluating and Improving Small Subunit rRNA PCR Primer Coverage for Bacteria, Archaea, and Eukaryotes Using Metagenomes from Global Ocean Surveys. MSystems, 2021, 6, e0056521.	3.8	35
17	Phosphonate production by marine microbes: Exploring new sources and potential function. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2113386119.	7.1	31
18	Temporal dynamics of P rochlorococcus cells with the potential for nitrate assimilation in the subtropical Atlantic and Pacific oceans. Limnology and Oceanography, 2016, 61, 482-495.	3.1	29

#	Article	IF	Citations
19	Nitrogen cost minimization is promoted by structural changes in the transcriptome of N-deprived Prochlorococcus cells. ISME Journal, 2017, 11, 2267-2278.	9.8	27
20	Siderophores as an iron source for picocyanobacteria in deep chlorophyll maximum layers of the oligotrophic ocean. ISME Journal, 2022, 16, 1636-1646.	9.8	18