

Clara A Fuchsman

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,219
citations

430874

18
h-index

501196

28
g-index

34
all docs

34
docs citations

34
times ranked

1596
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of several novel, widespread, and ecologically distinct marine <i>Thaumarchaeota</i> viruses that encode <i>amoC</i> nitrification genes. <i>ISME Journal</i> , 2019, 13, 618-631.	9.8	103
2	Free-living and aggregate-associated Planctomycetes in the Black Sea. <i>FEMS Microbiology Ecology</i> , 2012, 80, 402-416.	2.7	96
3	Metabolic strategies of free-living and aggregate-associated bacterial communities inferred from biologic and chemical profiles in the Black Sea suboxic zone. <i>FEMS Microbiology Ecology</i> , 2011, 78, 586-603.	2.7	94
4	Analysis of nitrite reductase (<i>nirK</i> and <i>nirS</i>) genes and cultivation reveal depauperate community of denitrifying bacteria in the Black Sea suboxic zone. <i>Environmental Microbiology</i> , 2007, 9, 118-130.	3.8	85
5	Ammonia and nitrite oxidation in the Eastern Tropical North Pacific. <i>Global Biogeochemical Cycles</i> , 2015, 29, 2034-2049.	4.9	81
6	Effect of the environment on horizontal gene transfer between bacteria and archaea. <i>PeerJ</i> , 2017, 5, e3865.	2.0	80
7	Diversity and Distribution of Planctomycetes and Related Bacteria in the Suboxic Zone of the Black Sea. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3079-3083.	3.1	79
8	Concentration and natural stable isotope profiles of nitrogen species in the Black Sea. <i>Marine Chemistry</i> , 2008, 111, 90-105.	2.3	78
9	Revisiting nitrification in the Eastern Tropical South Pacific: A focus on controls. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1667-1684.	2.6	75
10	Niche Partitioning of the N Cycling Microbial Community of an Offshore Oxygen Deficient Zone. <i>Frontiers in Microbiology</i> , 2017, 8, 2384.	3.5	60
11	Cyanobacteria and cyanophage contributions to carbon and nitrogen cycling in an oligotrophic oxygen-deficient zone. <i>ISME Journal</i> , 2019, 13, 2714-2726.	9.8	52
12	Species and $\delta^{15}\text{N}$ Signatures of Nitrogen Transformations in the Suboxic Zone of the Black Sea. <i>Oceanography</i> , 2005, 18, 36-47.	1.0	41
13	Complete arsenic-based respiratory cycle in the marine microbial communities of pelagic oxygen-deficient zones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9925-9930.	7.1	38
14	Whole-Genome Reciprocal BLAST Analysis Reveals that Planctomycetes Do Not Share an Unusually Large Number of Genes with Eukarya and Archaea. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6841-6844.	3.1	33
15	Stimulation of Autotrophic Denitrification by Intrusions of the Bosphorus Plume into the Anoxic Black Sea. <i>Frontiers in Microbiology</i> , 2012, 3, 257.	3.5	29
16	Utilization of urea and cyanate in waters overlying and within the eastern tropical north Pacific oxygen deficient zone. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	28
17	Modeling the distribution of nitrogen species and isotopes in the water column of the Black Sea. <i>Marine Chemistry</i> , 2008, 111, 106-124.	2.3	26
18	Concurrent activity of anammox and denitrifying bacteria in the Black Sea. <i>Frontiers in Microbiology</i> , 2012, 3, 256.	3.5	22

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19	Estimating fixed nitrogen loss and associated isotope effects using concentration and isotope measurements of NO ₃ ⁻ , NO ₂ ⁻ , and N ₂ from the Eastern Tropical South Pacific oxygen deficient zone. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 156, 121-136.	1.4	22
20	Dark N ₂ fixation: nifH expression in the redoxcline of the Black Sea. Aquatic Microbial Ecology, 2018, 82, 43-58.	1.8	17
21	An N isotopic mass balance of the Eastern Tropical North Pacific oxygen deficient zone. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 156, 137-147.	1.4	16
22	Benthic fluxes on the Oregon shelf. Estuarine, Coastal and Shelf Science, 2015, 163, 156-166.	2.1	15
23	Cyanophage host-derived genes reflect contrasting selective pressures with depth in the oxic and anoxic water column of the Eastern Tropical North Pacific. Environmental Microbiology, 2021, 23, 2782-2800.	3.8	13
24	Detection of Transient Denitrification During a High Organic Matter Event in the Black Sea. Global Biogeochemical Cycles, 2019, 33, 143-162.	4.9	11
25	Slow Particle Remineralization, Rather Than Suppressed Disaggregation, Drives Efficient Flux Transfer Through the Eastern Tropical North Pacific Oxygen Deficient Zone. Global Biogeochemical Cycles, 2022, 36, .	4.9	11
26	An analysis of protists in Pacific oxygen deficient zones: implications for <i>Prochlorococcus</i> and <i>N₂-producing</i> bacteria. Environmental Microbiology, 2022, 24, 1790-1804.	3.8	7
27	Using modern low-oxygen marine ecosystems to understand the nitrogen cycle of the Paleo- and Mesoproterozoic oceans. Environmental Microbiology, 2020, 23, 2801-2822.	3.8	4
28	Protein cycling in the eastern tropical North Pacific oxygen-deficient zone: A de novo discovery peptidomic approach. Limnology and Oceanography, 2022, 67, 498-510.	3.1	1