

Katherine R Heal

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,025
citations

623734

14
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

1370
citing authors

#	ARTICLE	IF	CITATIONS
1	Two distinct pools of B ₁₂ analogs reveal community interdependencies in the ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 364-369.	7.1	174
2	<i>Nitrosopumilus maritimus</i> gen. nov., sp. nov., <i>Nitrosopumilus cobalaminigenes</i> sp. nov., <i>Nitrosopumilus oxyclinae</i> sp. nov., and <i>Nitrosopumilus ureiphilus</i> sp. nov., four marine ammonia-oxidizing archaea of the phylum Thaumarchaeota. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 5067-5079.	1.7	159
3	Sulfonate-based networks between eukaryotic phytoplankton and heterotrophic bacteria in the surface ocean. <i>Nature Microbiology</i> , 2019, 4, 1706-1715.	13.3	120
4	Stress response of a marine ammonia-oxidizing archaeon informs physiological status of environmental populations. <i>ISME Journal</i> , 2018, 12, 508-519.	9.8	82
5	Best-Matched Internal Standard Normalization in Liquid Chromatography–Mass Spectrometry Metabolomics Applied to Environmental Samples. <i>Analytical Chemistry</i> , 2018, 90, 1363-1369.	6.5	78
6	Determination of four forms of vitamin B ₁₂ and other B vitamins in seawater by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2398-2404.	1.5	67
7	Relation between Soil Order and Sorption of Dissolved Organic Carbon in Temperate Subsoils. <i>Soil Science Society of America Journal</i> , 2012, 76, 1027-1037.	2.2	65
8	Metagenomic and chemical characterization of soil cobalamin production. <i>ISME Journal</i> , 2020, 14, 53-66.	9.8	59
9	Relative impacts of light, temperature, and reactive oxygen on thaumarchaeal ammonia oxidation in the North Pacific Ocean. <i>Limnology and Oceanography</i> , 2018, 63, 741-757.	3.1	39
10	Metabolic Consequences of Cobalamin Scarcity in the Diatom <i>Thalassiosira pseudonana</i> as Revealed Through Metabolomics. <i>Protist</i> , 2019, 170, 328-348.	1.5	33
11	Particulate Metabolites and Transcripts Reflect Diel Oscillations of Microbial Activity in the Surface Ocean. <i>MSystems</i> , 2021, 6, .	3.8	29
12	Marine Community Metabolomes Carry Fingerprints of Phytoplankton Community Composition. <i>MSystems</i> , 2021, 6, .	3.8	26
13	<i>Prochlorococcus</i> extracellular vesicles: molecular composition and adsorption to diverse microbes. <i>Environmental Microbiology</i> , 2022, 24, 420-435.	3.8	25
14	Glycine betaine uptake and metabolism in marine microbial communities. <i>Environmental Microbiology</i> , 2022, 24, 2380-2403.	3.8	20
15	Potential of temperature- and salinity-driven shifts in diatom compatible solute concentrations to impact biogeochemical cycling within sea ice. <i>Elementa</i> , 2020, 8, .	3.2	17
16	Accumulation of NO ₂ –cobalamin in nutrient–stressed ammonia–oxidizing archaea and in the oxygen deficient zone of the eastern tropical North Pacific. <i>Environmental Microbiology Reports</i> , 2018, 10, 453-457.	2.4	13
17	Diverse arsenic–containing lipids in the surface ocean. <i>Limnology and Oceanography Letters</i> , 2022, 7, 43-51.	3.9	3