

Kendra A Turk-Kubo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7108049/publications.pdf>

Version: 2024-02-01

63
papers

3,990
citations

117625

34
h-index

123424

61
g-index

65
all docs

65
docs citations

65
times ranked

3567
citing authors

#	ARTICLE	IF	CITATIONS
1	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. <i>Earth System Science Data</i> , 2012, 4, 47-73.	9.9	315
2	Metabolic streamlining in an open-ocean nitrogen-fixing cyanobacterium. <i>Nature</i> , 2010, 464, 90-94.	27.8	309
3	Nonracemic isovaline in the Murchison meteorite: chiral distribution and mineral association. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1589-1595.	3.9	202
4	Evolutionary innovation: a bone-eating marine symbiosis. <i>Environmental Microbiology</i> , 2005, 7, 1369-1378.	3.8	154
5	Abundance and distribution of major groups of diazotrophic cyanobacteria and their potential contribution to N ₂ fixation in the tropical Atlantic Ocean. <i>Environmental Microbiology</i> , 2010, 12, 3272-3289.	3.8	126
6	Nitrogen fixation within the water column associated with two hypoxic basins in the Southern California Bight. <i>Aquatic Microbial Ecology</i> , 2011, 63, 193-205.	1.8	126
7	Coordinated regulation of growth, activity and transcription in natural populations of the unicellular nitrogen-fixing cyanobacterium <i>Crocospaera</i> . <i>Nature Microbiology</i> , 2017, 2, 17118.	13.3	122
8	Genetic diversity of the unicellular nitrogen-fixing cyanobacteria <i>UCYN-A</i> and its prymnesiophyte host. <i>Environmental Microbiology</i> , 2014, 16, 3238-3249.	3.8	118
9	Symbiotic unicellular cyanobacteria fix nitrogen in the Arctic Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13371-13375.	7.1	117
10	Nitrogen fixation and nitrogenase (<i>nifH</i>) expression in tropical waters of the eastern North Atlantic. <i>ISME Journal</i> , 2011, 5, 1201-1212.	9.8	111
11	Rates of dinitrogen fixation and the abundance of diazotrophs in North American coastal waters between Cape Hatteras and Georges Bank. <i>Limnology and Oceanography</i> , 2012, 57, 1067-1083.	3.1	106
12	Aphotic N ₂ Fixation in the Eastern Tropical South Pacific Ocean. <i>PLoS ONE</i> , 2013, 8, e81265.	2.5	101
13	The paradox of marine heterotrophic nitrogen fixation: abundances of heterotrophic diazotrophs do not account for nitrogen fixation rates in the Eastern Tropical South Pacific. <i>Environmental Microbiology</i> , 2014, 16, 3095-3114.	3.8	99
14	Patterns of ¹⁵ N assimilation and growth of methanotrophic ANME-2 archaea and sulfate-reducing bacteria within structured syntrophic consortia revealed by FISH-SIMS. <i>Environmental Microbiology</i> , 2009, 11, 1777-1791.	3.8	85
15	New insights into the ecology of the globally significant uncultured nitrogen-fixing symbiont UCYN-A. <i>Aquatic Microbial Ecology</i> , 2016, 77, 125-138.	1.8	85
16	Unusual marine unicellular symbiosis with the nitrogen-fixing cyanobacterium UCYN-A. <i>Nature Microbiology</i> , 2017, 2, 16214.	13.3	83
17	Dimethyl sulphide and methanethiol formation in microbial mats: potential pathways for biogenic signatures. <i>Environmental Microbiology</i> , 2003, 5, 296-308.	3.8	81
18	Diverse diazotrophs are present on sinking particles in the North Pacific Subtropical Gyre. <i>ISME Journal</i> , 2019, 13, 170-182.	9.8	81

#	ARTICLE	IF	CITATIONS
19	Characterization and spatial distribution of methanogens and methanogenic biosignatures in hypersaline microbial mats of Baja California. <i>Geobiology</i> , 2008, 6, 376-393.	2.4	80
20	Underwater Application of Quantitative PCR on an Ocean Mooring. <i>PLoS ONE</i> , 2011, 6, e22522.	2.5	80
21	Diazotroph derived nitrogen supports diatom growth in the South West Pacific: A quantitative study using nanoSIMS. <i>Limnology and Oceanography</i> , 2016, 61, 1549-1562.	3.1	75
22	Distinct Siderophores Contribute to Iron Cycling in the Mesopelagic at Station ALOHA. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	67
23	Contrasted geographical distribution of N ₂ fixation rates and <i>nifH</i> phylotypes in the Coral and Solomon Seas (southwestern Pacific) during austral winter conditions. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1874-1892.	4.9	66
24	Distinct ecological niches of marine symbiotic N ₂ -fixing cyanobacterium <i>Candidatus Atelocyanobacterium thalassa</i> sublineages. <i>Journal of Phycology</i> , 2017, 53, 451-461.	2.3	66
25	Dynamics of N ₂ fixation and fate of diazotroph-derived nitrogen in a low-nutrient, low-chlorophyll ecosystem: results from the VAHINE mesocosm experiment (New Caledonia). <i>Biogeosciences</i> , 2016, 13, 2653-2673.	3.3	64
26	Diazotroph community succession during the VAHINE mesocosm experiment (New Caledonia lagoon). <i>Biogeosciences</i> , 2015, 12, 7435-7452.	3.3	63
27	Lipid biomarker and phylogenetic analyses to reveal archaeal biodiversity and distribution in hypersaline microbial mat and underlying sediment. <i>Geobiology</i> , 2008, 6, 394-410.	2.4	62
28	Nitrogenase (<i>nifH</i>) gene expression in diazotrophic cyanobacteria in the Tropical North Atlantic in response to nutrient amendments. <i>Frontiers in Microbiology</i> , 2012, 3, 386.	3.5	59
29	Unusual marine cyanobacteria/haptophyte symbiosis relies on N ₂ fixation even in N-rich environments. <i>ISME Journal</i> , 2020, 14, 2395-2406.	9.8	58
30	ARBitrator: a software pipeline for on-demand retrieval of auto-curated <i>nifH</i> sequences from GenBank. <i>Bioinformatics</i> , 2014, 30, 2883-2890.	4.1	55
31	Extensive carbon isotopic heterogeneity among methane seep microbiota. <i>Environmental Microbiology</i> , 2009, 11, 2207-2215.	3.8	51
32	Seasonal <i>Synechococcus</i> and <i>Thaumarchaeal</i> population dynamics examined with high resolution with remote <i>in situ</i> instrumentation. <i>ISME Journal</i> , 2012, 6, 513-523.	9.8	46
33	Latitudinal constraints on the abundance and activity of the cyanobacterium UCYN- <i>A</i> and other marine diazotrophs in the North Pacific. <i>Limnology and Oceanography</i> , 2020, 65, 1858-1875.	3.1	40
34	Diazotroph Diversity in the Sea Ice, Melt Ponds, and Surface Waters of the Eurasian Basin of the Central Arctic Ocean. <i>Frontiers in Microbiology</i> , 2016, 7, 1884.	3.5	39
35	Differential effects of nitrate, ammonium, and urea as N sources for microbial communities in the North Pacific Ocean. <i>Limnology and Oceanography</i> , 2017, 62, 2550-2574.	3.1	39
36	K�lauea lava fuels phytoplankton bloom in the North Pacific Ocean. <i>Science</i> , 2019, 365, 1040-1044.	12.6	35

#	ARTICLE	IF	CITATIONS
37	Rapid annotation of <i>nifH</i> gene sequences using classification and regression trees facilitates environmental functional gene analysis. <i>Environmental Microbiology Reports</i> , 2016, 8, 905-916.	2.4	34
38	Biological influences on modern sulfates: Textures and composition of gypsum deposits from Guerrero Negro, Baja California Sur, Mexico. <i>Sedimentary Geology</i> , 2010, 223, 265-280.	2.1	33
39	The Role of Biofilms in the Sedimentology of Actively Forming Gypsum Deposits at Guerrero Negro, Mexico. <i>Astrobiology</i> , 2009, 9, 875-893.	3.0	31
40	UCYN-A3, a newly characterized open ocean sublineage of the symbiotic N ₂ -fixing cyanobacterium <i>Candidatus Atelocyanobacterium thalassa</i> . <i>Environmental Microbiology</i> , 2019, 21, 111-124.	3.8	31
41	Mathematical simulation of the diel O, S, and C biogeochemistry of a hypersaline microbial mat. <i>FEMS Microbiology Ecology</i> , 2005, 52, 377-395.	2.7	29
42	A microarray for assessing transcription from pelagic marine microbial taxa. <i>ISME Journal</i> , 2014, 8, 1476-1491.	9.8	29
43	Seasonal change in the abundance of <i>Synechococcus</i> and multiple distinct phylotypes in Monterey Bay determined by <i>rbcL</i> and <i>narB</i> quantitative PCR. <i>Environmental Microbiology</i> , 2012, 14, 580-593.	3.8	28
44	Unexpected presence of the nitrogen-fixing symbiotic cyanobacterium UCYN-A in Monterey Bay, California. <i>Journal of Phycology</i> , 2020, 56, 1521-1533.	2.3	27
45	Identification of Associations between Bacterioplankton and Photosynthetic Picoeukaryotes in Coastal Waters. <i>Frontiers in Microbiology</i> , 2016, 7, 339.	3.5	26
46	Overlooked and widespread pennate diatom-diazotroph symbioses in the sea. <i>Nature Communications</i> , 2022, 13, 799.	12.8	26
47	In Situ Diazotroph Population Dynamics Under Different Resource Ratios in the North Pacific Subtropical Gyre. <i>Frontiers in Microbiology</i> , 2018, 9, 1616.	3.5	23
48	Distributions and Abundances of Sublineages of the N ₂ -Fixing Cyanobacterium <i>Candidatus Atelocyanobacterium thalassa</i> (UCYN-A) in the New Caledonian Coral Lagoon. <i>Frontiers in Microbiology</i> , 2018, 9, 554.	3.5	23
49	Molecular and lipid biomarker analysis of a gypsum-hosted endoevaporitic microbial community. <i>Geobiology</i> , 2014, 12, 62-82.	2.4	22
50	Non-cyanobacterial <i>nifH</i> phylotypes in the North Pacific Subtropical Gyre detected by flow cytometry cell sorting. <i>Environmental Microbiology Reports</i> , 2013, 5, 705-715.	2.4	20
51	Measurements of nitrogen fixation in the oligotrophic North Pacific Subtropical Gyre using a free-drifting submersible incubation device. <i>Journal of Plankton Research</i> , 2015, 37, 727-739.	1.8	18
52	Temporal variability of diazotroph community composition in the upwelling region off NW Iberia. <i>Scientific Reports</i> , 2019, 9, 3737.	3.3	18
53	Effects of nutrient enrichment on surface microbial community gene expression in the oligotrophic North Pacific Subtropical Gyre. <i>ISME Journal</i> , 2019, 13, 374-387.	9.8	17
54	UCYN-A/haptophyte symbioses dominate N ₂ fixation in the Southern California Current System. <i>ISME Communications</i> , 2021, 1, .	4.2	17

#	ARTICLE	IF	CITATIONS
55	Dynamics of transparent exopolymer particles (TEP) during the VAHINE mesocosm experiment in the New Caledonian lagoon. <i>Biogeosciences</i> , 2016, 13, 3793-3805.	3.3	16
56	Ocean acidification impacts on nitrogen fixation in the coastal western Mediterranean Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 186, 45-57.	2.1	16
57	Light and depth dependency of nitrogen fixation by the non-photosynthetic, symbiotic cyanobacterium UCYN-A. <i>Environmental Microbiology</i> , 2021, 23, 4518-4531.	3.8	14
58	Cell sorting reveals few novel prokaryote and photosynthetic picoeukaryote associations in the oligotrophic ocean. <i>Environmental Microbiology</i> , 2021, 23, 1469-1480.	3.8	7
59	Seasonal Shifts in Diazotrophs Players: Patterns Observed Over a Two-Year Time Series in the New Caledonian Lagoon (Western Tropical South Pacific Ocean). <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	6
60	Critical Role of Light in the Growth and Activity of the Marine N ₂ -Fixing UCYN-A Symbiosis. <i>Frontiers in Microbiology</i> , 2021, 12, 666739.	3.5	5
61	Phytoplankton transcriptomic and physiological responses to fixed nitrogen in the California current system. <i>PLoS ONE</i> , 2020, 15, e0231771.	2.5	3
62	Questioning High Nitrogen Fixation Rate Measurements in the Southern Ocean. <i>Nature Geoscience</i> , 2022, 15, 29-30.	12.9	3
63	Phytoplankton community structure in the VAHINE mesocosm experiment. <i>Biogeosciences</i> , 2016, 13, 5205-5219.	3.3	1