Karen Tait

List of Publications by Year
in descending order

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47	4,754	172457	223800
papers	citations	29 h-index	46 g-index

48	48	48	7739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biogeochemical consequences of a changing Arctic shelf seafloor ecosystem. Ambio, 2022, 51, 370-382.	5.5	7
2	Phosphorus dynamics in the Barents Sea. Limnology and Oceanography, 2021, 66, S326.	3.1	10
3	Transformation of organic matter in a Barents Sea sediment profile: coupled geochemical and microbiological processes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20200223.	3.4	10
4	Connected macroalgalâ€sediment systems: blue carbon and food webs in the deep coastal ocean. Ecological Monographs, 2019, 89, e01366.	5.4	103
5	Modulation of Polar Lipid Profiles in Chlorella sp. in Response to Nutrient Limitation. Metabolites, 2019, 9, 39.	2.9	17
6	Characterisation of bacteria from the cultures of a Chlorella strain isolated from textile wastewater and their growth enhancing effects on the axenic cultures of Chlorella vulgaris in low nutrient media. Algal Research, 2019, 44, 101666.	4.6	21
7	Seasonal benthic nitrogen cycling in a temperate shelf sea: the Celtic Sea. Biogeochemistry, 2017, 135, 103-119.	3.5	24
8	A communal catalogue reveals Earthâ€™s multiscale microbial diversity. Nature, 2017, 551, 457-463.	27.8	1,942
9	An approach for the identification of exemplar sites for scaling up targeted field observations of benthic biogeochemistry in heterogeneous environments. Biogeochemistry, 2017, 135, 1-34.	3.5	30
10	Mediation of nitrogen by post-disturbance shelf communities experiencing organic matter enrichment. Biogeochemistry, 2017, 135, 135-153.	3.5	14
11	Sponge-Inspired Dibromohemibastadin Prevents and Disrupts Bacterial Biofilms without Toxicity. Marine Drugs, 2017, 15, 222.	4.6	10
12	Marine Microbial Gene Abundance and Community Composition in Response to Ocean Acidification and Elevated Temperature in Two Contrasting Coastal Marine Sediments. Frontiers in Microbiology, 2017, 8, 1599.	3.5	32
13	Metabolically active, non-nitrogen fixing,Trichodesmiumin UK coastal waters during winter. Journal of Plankton Research, 2016, 38, 673-678.	1.8	8
14	Impact of sub-seabed CO 2 leakage on macrobenthic community structure and diversity. International Journal of Greenhouse Gas Control, 2015, 38, 182-192.	4.6	32
15	Dynamic responses of the benthic bacterial community at the Western English Channel observatory site L4 are driven by deposition of fresh phytodetritus. Progress in Oceanography, 2015, 137, 546-558.	3.2	30
16	Response of the ammonia oxidation activity of microorganisms in surface sediment to a controlled sub-seabed release of CO 2. International Journal of Greenhouse Gas Control, 2015, 38, 162-170.	4.6	9
17	Elevated CO2induces a bloom of microphytobenthos within a shell gravel mesocosm. FEMS Microbiology Ecology, 2015, 91, fiv092.	2.7	2
18	Rapid response of the active microbial community to CO 2 exposure from a controlled sub-seabed CO 2 leak in Ardmucknish Bay (Oban, Scotland). International Journal of Greenhouse Gas Control, 2015, 38, 171-181.	4.6	37

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19	Free-ocean CO₂ enrichment (FOCE) systems: present status and future developments. Biogeosciences, 2014, 11, 4057-4075.	3.3	51
20	Disturbance to conserved bacterial communities in the cold-water gorgonian coralEunicella verrucosa. FEMS Microbiology Ecology, 2014, 90, n/a-n/a.	2.7	41
21	Diverse profiles ofN-acyl-homoserine lactone molecules found in cnidarians. FEMS Microbiology Ecology, 2014, 87, 315-329.	2.7	23
22	Detection and impacts of leakage from sub-seafloor deep geological carbon dioxide storage. Nature Climate Change, 2014, 4, 1011-1016.	18.8	159
23	Impacts of bioturbation on temporal variation in bacterial and archaeal nitrogenâ€cycling gene abundance in coastal sediments. Environmental Microbiology Reports, 2014, 6, 113-121.	2.4	48
24	Response of an Arctic Sediment Nitrogen Cycling Community to Increased CO2. Estuaries and Coasts, 2014, 37, 724-735.	2.2	31
25	Interference with the germination and growth of <scp>U</scp>lva zoospores by quorumâ€sensing molecules from <scp>U</scp>lvaâ€associated epiphytic bacteria. Environmental Microbiology, 2014, 16, 445-453.	3.8	35
26	Spatio-temporal variability in ammonia oxidation and ammonia-oxidising bacteria and archaea in coastal sediments of the western English Channel. Marine Ecology - Progress Series, 2014, 511, 41-58.	1.9	12
27	Investigating a possible role for the bacterial signal molecules Nâ€acylhomoserine lactones in <scp>B</scp>alanus improvisus cyprid settlement. Molecular Ecology, 2013, 22, 2588-2602.	3.9	37
28	Ocean acidification and rising temperatures may increase biofilm primary productivity but decrease grazer consumption. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120438.	4.0	79
29	Bioturbation determines the response of benthic ammonia-oxidizing microorganisms to ocean acidification. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120441.	4.0	55
30	Minor impact of ocean acidification to the composition of the active microbial community in an <scp>A</scp>rctic sediment. Environmental Microbiology Reports, 2013, 5, 851-860.	2.4	32
31	Genome Sequence of Stenotrophomonas maltophilia PML168, Which Displays Baeyer-Villiger Monooxygenase Activity. Journal of Bacteriology, 2012, 194, 4753-4754.	2.2	6
32	Diketopiperazines Produced by the Halophilic Archaeon, Haloterrigena hispanica, Activate AHL Bioreporters. Microbial Ecology, 2012, 63, 490-495.	2.8	75
33	Impact of ocean acidification on benthic and water column ammonia oxidation. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	83
34	Permanent draft genome sequence of Vibrio tubiashii strain NCIMB 1337 (ATCC19106). Standards in Genomic Sciences, 2011, 4, 183-190.	1.5	19
35	Bioturbation: impact on the marine nitrogen cycle. Biochemical Society Transactions, 2011, 39, 315-320.	3.4	162
36	Bioturbating shrimp alter the structure and diversity of bacterial communities in coastal marine sediments. ISME Journal, 2010, 4, 1531-1544.	9.8	103

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37	Quorum sensing signal production and inhibition by coralâ€associated vibrios. Environmental Microbiology Reports, 2010, 2, 145-150.	2.4	74
38	Turnover of quorum sensing signal molecules modulates crossâ€kingdom signalling. Environmental Microbiology, 2009, 11, 1792-1802.	3.8	95
39	Cross-kingdom signalling: exploitation of bacterial quorum sensing molecules by the green seaweed Ulva. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 1223-1233.	4.0	144
40	Acyl-homoserine lactones modulate the settlement rate of zoospores of the marine alga Ulva intestinalis via a novel chemokinetic mechanism. Plant, Cell and Environment, 2006, 29, 608-618.	5.7	101
41	Disruption of quorum sensing in seawater abolishes attraction of zoospores of the green alga Ulva to bacterial biofilms. Environmental Microbiology, 2005, 7, 229-240.	3.8	157
42	The interaction of phage and biofilms. FEMS Microbiology Letters, 2004, 232, 1-6.	1.8	287
43	Cell-to-Cell Communication Across the Prokaryote-Eukaryote Boundary. Science, 2002, 298, 1207-1207.	12.6	274
44	The efficacy of bacteriophage as a method of biofilm eradication. Biofouling, 2002, 18, 305-311.	2.2	108
45	Antagonistic interactions amongst bacteriocin-producing enteric bacteria in dual species biofilms. Journal of Applied Microbiology, 2002, 93, 345-352.	3.1	87
46	Fungal production of calcium oxalate in leaf litter microcosms. Soil Biology and Biochemistry, 1999, 31, 1189-1192.	8.8	28
47	Acylated Homoserine Lactone Signaling in Marine Bacterial Systems. , 0, , 251-272.		9