

Karen Tait

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

4,754
citations

172457

29
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

7739
citing authors

#	ARTICLE	IF	CITATIONS
1	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	27.8	1,942
2	The interaction of phage and biofilms. <i>FEMS Microbiology Letters</i> , 2004, 232, 1-6.	1.8	287
3	Cell-to-Cell Communication Across the Prokaryote-Eukaryote Boundary. <i>Science</i> , 2002, 298, 1207-1207.	12.6	274
4	Bioturbation: impact on the marine nitrogen cycle. <i>Biochemical Society Transactions</i> , 2011, 39, 315-320.	3.4	162
5	Detection and impacts of leakage from sub-seafloor deep geological carbon dioxide storage. <i>Nature Climate Change</i> , 2014, 4, 1011-1016.	18.8	159
6	Disruption of quorum sensing in seawater abolishes attraction of zoospores of the green alga <i>Ulva</i> to bacterial biofilms. <i>Environmental Microbiology</i> , 2005, 7, 229-240.	3.8	157
7	Cross-kingdom signalling: exploitation of bacterial quorum sensing molecules by the green seaweed <i>Ulva</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1223-1233.	4.0	144
8	The efficacy of bacteriophage as a method of biofilm eradication. <i>Biofouling</i> , 2002, 18, 305-311.	2.2	108
9	Bioturbating shrimp alter the structure and diversity of bacterial communities in coastal marine sediments. <i>ISME Journal</i> , 2010, 4, 1531-1544.	9.8	103
10	Connected macroalgal-sediment systems: blue carbon and food webs in the deep coastal ocean. <i>Ecological Monographs</i> , 2019, 89, e01366.	5.4	103
11	Acyl-homoserine lactones modulate the settlement rate of zoospores of the marine alga <i>Ulva intestinalis</i> via a novel chemokinetic mechanism. <i>Plant, Cell and Environment</i> , 2006, 29, 608-618.	5.7	101
12	Turnover of quorum sensing signal molecules modulates cross-kingdom signalling. <i>Environmental Microbiology</i> , 2009, 11, 1792-1802.	3.8	95
13	Antagonistic interactions amongst bacteriocin-producing enteric bacteria in dual species biofilms. <i>Journal of Applied Microbiology</i> , 2002, 93, 345-352.	3.1	87
14	Impact of ocean acidification on benthic and water column ammonia oxidation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	83
15	Ocean acidification and rising temperatures may increase biofilm primary productivity but decrease grazer consumption. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120438.	4.0	79
16	Diketopiperazines Produced by the Halophilic Archaeon, <i>Haloterrigena hispanica</i> , Activate AHL Bioreporters. <i>Microbial Ecology</i> , 2012, 63, 490-495.	2.8	75
17	Quorum sensing signal production and inhibition by coral-associated vibrios. <i>Environmental Microbiology Reports</i> , 2010, 2, 145-150.	2.4	74
18	Bioturbation determines the response of benthic ammonia-oxidizing microorganisms to ocean acidification. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120441.	4.0	55

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19	Free-ocean CO ₂ enrichment (FOCE) systems: present status and future developments. <i>Biogeosciences</i> , 2014, 11, 4057-4075.	3.3	51
20	Impacts of bioturbation on temporal variation in bacterial and archaeal nitrogen cycling gene abundance in coastal sediments. <i>Environmental Microbiology Reports</i> , 2014, 6, 113-121.	2.4	48
21	Disturbance to conserved bacterial communities in the cold-water gorgonian coral <i>Eunicella verrucosa</i> . <i>FEMS Microbiology Ecology</i> , 2014, 90, n/a-n/a.	2.7	41
22	Investigating a possible role for the bacterial signal molecules N-acylhomoserine lactones in <i>Alanus improvisus</i> cyprid settlement. <i>Molecular Ecology</i> , 2013, 22, 2588-2602.	3.9	37
23	Rapid response of the active microbial community to CO ₂ exposure from a controlled sub-seabed CO ₂ leak in Ardmucknish Bay (Oban, Scotland). <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 171-181.	4.6	37
24	Interference with the germination and growth of <i>Ulva</i> zoospores by quorum sensing molecules from associated epiphytic bacteria. <i>Environmental Microbiology</i> , 2014, 16, 445-453.	3.8	35
25	Minor impact of ocean acidification to the composition of the active microbial community in an Arctic sediment. <i>Environmental Microbiology Reports</i> , 2013, 5, 851-860.	2.4	32
26	Impact of sub-seabed CO ₂ leakage on macrobenthic community structure and diversity. <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 182-192.	4.6	32
27	Marine Microbial Gene Abundance and Community Composition in Response to Ocean Acidification and Elevated Temperature in Two Contrasting Coastal Marine Sediments. <i>Frontiers in Microbiology</i> , 2017, 8, 1599.	3.5	32
28	Response of an Arctic Sediment Nitrogen Cycling Community to Increased CO ₂ . <i>Estuaries and Coasts</i> , 2014, 37, 724-735.	2.2	31
29	Dynamic responses of the benthic bacterial community at the Western English Channel observatory site L4 are driven by deposition of fresh phytodetritus. <i>Progress in Oceanography</i> , 2015, 137, 546-558.	3.2	30
30	An approach for the identification of exemplar sites for scaling up targeted field observations of benthic biogeochemistry in heterogeneous environments. <i>Biogeochemistry</i> , 2017, 135, 1-34.	3.5	30
31	Fungal production of calcium oxalate in leaf litter microcosms. <i>Soil Biology and Biochemistry</i> , 1999, 31, 1189-1192.	8.8	28
32	Seasonal benthic nitrogen cycling in a temperate shelf sea: the Celtic Sea. <i>Biogeochemistry</i> , 2017, 135, 103-119.	3.5	24
33	Diverse profiles of N-acyl-homoserine lactone molecules found in cnidarians. <i>FEMS Microbiology Ecology</i> , 2014, 87, 315-329.	2.7	23
34	Characterisation of bacteria from the cultures of a <i>Chlorella</i> strain isolated from textile wastewater and their growth enhancing effects on the axenic cultures of <i>Chlorella vulgaris</i> in low nutrient media. <i>Algal Research</i> , 2019, 44, 101666.	4.6	21
35	Permanent draft genome sequence of <i>Vibrio tubiashii</i> strain NCIMB 1337 (ATCC19106). <i>Standards in Genomic Sciences</i> , 2011, 4, 183-190.	1.5	19
36	Modulation of Polar Lipid Profiles in <i>Chlorella</i> sp. in Response to Nutrient Limitation. <i>Metabolites</i> , 2019, 9, 39.	2.9	17

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37	Mediation of nitrogen by post-disturbance shelf communities experiencing organic matter enrichment. <i>Biogeochemistry</i> , 2017, 135, 135-153.	3.5	14
38	Spatio-temporal variability in ammonia oxidation and ammonia-oxidising bacteria and archaea in coastal sediments of the western English Channel. <i>Marine Ecology - Progress Series</i> , 2014, 511, 41-58.	1.9	12
39	Sponge-Inspired Dibromohemibastadin Prevents and Disrupts Bacterial Biofilms without Toxicity. <i>Marine Drugs</i> , 2017, 15, 222.	4.6	10
40	Transformation of organic matter in a Barents Sea sediment profile: coupled geochemical and microbiological processes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200223.	3.4	10
41	Phosphorus dynamics in the Barents Sea. <i>Limnology and Oceanography</i> , 2021, 66, S326.	3.1	10
42	Response of the ammonia oxidation activity of microorganisms in surface sediment to a controlled sub-seabed release of CO ₂ . <i>International Journal of Greenhouse Gas Control</i> , 2015, 38, 162-170.	4.6	9
43	Acylated Homoserine Lactone Signaling in Marine Bacterial Systems. , 0, , 251-272.		9
44	Metabolically active, non-nitrogen fixing, <i>Trichodesmium</i> in UK coastal waters during winter. <i>Journal of Plankton Research</i> , 2016, 38, 673-678.	1.8	8
45	Biogeochemical consequences of a changing Arctic shelf seafloor ecosystem. <i>Ambio</i> , 2022, 51, 370-382.	5.5	7
46	Genome Sequence of <i>Stenotrophomonas maltophilia</i> PML168, Which Displays Baeyer-Villiger Monooxygenase Activity. <i>Journal of Bacteriology</i> , 2012, 194, 4753-4754.	2.2	6
47	Elevated CO ₂ induces a bloom of microphytobenthos within a shell gravel mesocosm. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv092.	2.7	2