

Frank J Stewart

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,066
citations

304602

22
h-index

330025

37
g-index

40
all docs

40
docs citations

40
times ranked

4250
citing authors

#	ARTICLE	IF	CITATIONS
1	Viral community analysis in a marine oxygen minimum zone indicates increased potential for viral manipulation of microbial physiological state. <i>ISME Journal</i> , 2022, 16, 972-982.	4.4	17
2	Anaerobic methane oxidation in a coastal oxygen minimum zone: spatial and temporal dynamics. <i>Environmental Microbiology</i> , 2022, 24, 2361-2379.	1.8	5
3	Pelagic denitrification and methane oxidation in oxygen-depleted waters of the Louisiana shelf. <i>Biogeochemistry</i> , 2021, 154, 231-254.	1.7	6
4	Description of <i>Candidatus Mesopelagibacter carboxydoxydans</i> and <i>Candidatus Anoxipelagibacter denitrificans</i> : Nitrate-reducing SAR11 genera that dominate mesopelagic and anoxic marine zones. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126185.	1.2	14
5	Microbial metabolism and adaptations in <i>Atribacteria</i> -dominated methane hydrate sediments. <i>Environmental Microbiology</i> , 2021, 23, 4646-4660.	1.8	20
6	Pipeline for Analyzing Activity of Metabolic Pathways in Planktonic Communities Using Metatranscriptomic Data. <i>Journal of Computational Biology</i> , 2021, 28, 842-855.	0.8	2
7	Phylogenetic and structural diversity of aromatically dense pili from environmental metagenomes. <i>Environmental Microbiology Reports</i> , 2020, 12, 49-57.	1.0	22
8	Parasite-host ecology: the limited impacts of an intimate enemy on host microbiomes. <i>Animal Microbiome</i> , 2020, 2, 42.	1.5	4
9	Seaweed-coral competition in the field: effects on coral growth, photosynthesis and microbiomes require direct contact. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200366.	1.2	17
10	Best Practices for Successfully Writing and Publishing a Genome Announcement in <i>Microbiology Resource Announcements</i> . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0
11	Non-denitrifier nitrous oxide reductases dominate marine biomes. <i>Environmental Microbiology Reports</i> , 2020, 12, 681-692.	1.0	26
12	Roadmap for naming uncultivated Archaea and Bacteria. <i>Nature Microbiology</i> , 2020, 5, 987-994.	5.9	115
13	Novel insights into the taxonomic diversity and molecular mechanisms of bacterial Mn(III) reduction. <i>Environmental Microbiology Reports</i> , 2020, 12, 583-593.	1.0	4
14	Anaerobic methane oxidation is an important sink for methane in the ocean's largest oxygen minimum zone. <i>Limnology and Oceanography</i> , 2019, 64, 2569-2585.	1.6	46
15	Microbiome Dynamics in a Large Artificial Seawater Aquarium. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	33
16	Cryptic oxygen cycling in anoxic marine zones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8319-8324.	3.3	116
17	Metagenomic Binning Recovers a Transcriptionally Active Gammaproteobacterium Linking Methanotrophy to Partial Denitrification in an Anoxic Oxygen Minimum Zone. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	44
18	Metatranscriptional Response of Chemoautotrophic <i>Ifremeria nautili</i> Endosymbionts to Differing Sulfur Regimes. <i>Frontiers in Microbiology</i> , 2016, 7, 1074.	1.5	11

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19	In situ quantification of ultra-low O ₂ concentrations in oxygen minimum zones: Application of novel optodes. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 784-800.	1.0	28
20	NC10 bacteria in marine oxygen minimum zones. <i>ISME Journal</i> , 2016, 10, 2067-2071.	4.4	112
21	Whole gut microbiome composition of damselfish and cardinalfish before and after reef settlement. <i>PeerJ</i> , 2016, 4, e2412.	0.9	52
22	Biogeochemical and metagenomic analysis of nitrite accumulation in the Gulf of Mexico hypoxic zone. <i>Limnology and Oceanography</i> , 2015, 60, 1733-1750.	1.6	72
23	Standard filtration practices may significantly distort planktonic microbial diversity estimates. <i>Frontiers in Microbiology</i> , 2015, 6, 547.	1.5	65
24	Meta-omic signatures of microbial metal and nitrogen cycling in marine oxygen minimum zones. <i>Frontiers in Microbiology</i> , 2015, 6, 998.	1.5	58
25	Size-fractionated diversity of eukaryotic microbial communities in the Eastern Tropical North Pacific oxygen minimum zone. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	1.3	34
26	Size-fraction partitioning of community gene transcription and nitrogen metabolism in a marine oxygen minimum zone. <i>ISME Journal</i> , 2015, 9, 2682-2696.	4.4	169
27	Metagenomic analysis of size-fractionated picoplankton in a marine oxygen minimum zone. <i>ISME Journal</i> , 2014, 8, 187-211.	4.4	281
28	Oxygen at Nanomolar Levels Reversibly Suppresses Process Rates and Gene Expression in Anammox and Denitrification in the Oxygen Minimum Zone off Northern Chile. <i>MBio</i> , 2014, 5, e01966.	1.8	216
29	Microbial eukaryote diversity in the marine oxygen minimum zone off northern Chile. <i>Frontiers in Microbiology</i> , 2014, 5, 543.	1.5	47
30	CRISPR/Cas9 systems have off-target activity with insertions or deletions between target DNA and guide RNA sequences. <i>Nucleic Acids Research</i> , 2014, 42, 7473-7485.	6.5	548
31	Preparation of Microbial Community cDNA for Metatranscriptomic Analysis in Marine Plankton. <i>Methods in Enzymology</i> , 2013, 531, 187-218.	0.4	31
32	Where the genes flow. <i>Nature Geoscience</i> , 2013, 6, 688-690.	5.4	18
33	Microbial oceanography of anoxic oxygen minimum zones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15996-16003.	3.3	365
34	Microbial metatranscriptomics in a permanent marine oxygen minimum zone. <i>Environmental Microbiology</i> , 2012, 14, 23-40.	1.8	318
35	Community transcriptomics reveals universal patterns of protein sequence conservation in natural microbial communities. <i>Genome Biology</i> , 2011, 12, R26.	13.9	81
36	Dissimilatory sulfur cycling in oxygen minimum zones: an emerging metagenomics perspective. <i>Biochemical Society Transactions</i> , 2011, 39, 1859-1863.	1.6	17

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37	Metatranscriptomic Analysis of Sulfur Oxidation Genes in the Endosymbiont of Solemya Velum. <i>Frontiers in Microbiology</i> , 2011, 2, 134.	1.5	41