

S Emil Ruff

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,146
citations

471061

17
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

1604
citing authors

#	ARTICLE	IF	CITATIONS
1	Global dispersion and local diversification of the methane seep microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4015-4020.	3.3	248
2	Mobility and persistence of methane in groundwater in a controlled-release field experiment. Nature Geoscience, 2017, 10, 289-294.	5.4	106
3	Metabolic Capabilities of Microorganisms Involved in and Associated with the Anaerobic Oxidation of Methane. Frontiers in Microbiology, 2016, 7, 46.	1.5	99
4	Microbial Communities of Deep-Sea Methane Seeps at Hikurangi Continental Margin (New Zealand). PLoS ONE, 2013, 8, e72627.	1.1	78
5	Microbial Communities in Methane- and Short Chain Alkane-Rich Hydrothermal Sediments of Guaymas Basin. Frontiers in Microbiology, 2016, 7, 17.	1.5	72
6	Enhancing the Magnetoviscosity of Ferrofluids by the Addition of Biological Nanotubes. ACS Nano, 2010, 4, 4531-4538.	7.3	65
7	In situ development of a methanotrophic microbiome in deep-sea sediments. ISME Journal, 2019, 13, 197-213.	4.4	61
8	Indications for algae-degrading benthic microbial communities in deep-sea sediments along the Antarctic Polar Front. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 108, 6-16.	0.6	56
9	Methyl/alkyl-coenzyme M reductase-based anaerobic alkane oxidation in archaea. Environmental Microbiology, 2021, 23, 530-541.	1.8	49
10	High Diversity of Anaerobic Alkane-Degrading Microbial Communities in Marine Seep Sediments Based on (1-methylalkyl)succinate Synthase Genes. Frontiers in Microbiology, 2015, 6, 1511.	1.5	47
11	Methane Seep in Shallow-Water Permeable Sediment Harbors High Diversity of Anaerobic Methanotrophic Communities, Elba, Italy. Frontiers in Microbiology, 2016, 7, 374.	1.5	38
12	Hydrocarbon seepage in the deep seabed links subsurface and seafloor biospheres. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11029-11037.	3.3	33
13	Microbial Communities Under Distinct Thermal and Geochemical Regimes in Axial and Off-Axis Sediments of Guaymas Basin. Frontiers in Microbiology, 2021, 12, 633649.	1.5	28
14	Transient exposure to oxygen or nitrate reveals ecophysiology of fermentative and sulfate-reducing benthic microbial populations. Environmental Microbiology, 2017, 19, 4866-4881.	1.8	26
15	Anaerobic methanotrophic community of a 5346-m-deep vesicomid clam colony in the Japan Trench. Geobiology, 2014, 12, 183-199.	1.1	25
16	Degradation of biological macromolecules supports uncultured microbial populations in Guaymas Basin hydrothermal sediments. ISME Journal, 2021, 15, 3480-3497.	4.4	22
17	Preparation and magnetoviscosity of nanotube ferrofluids by viral scaffolding and ALD on porous templates. Physica Status Solidi (B): Basic Research, 2010, 247, 2412-2423.	0.7	19
18	Freezing Tolerance of Thermophilic Bacterial Endospores in Marine Sediments. Frontiers in Microbiology, 2019, 10, 945.	1.5	18

#	ARTICLE	IF	CITATIONS
19	Methane oxidation and methylotroph population dynamics in groundwater mesocosms. <i>Environmental Microbiology</i> , 2020, 22, 1222-1237.	1.8	18
20	Microbial community dynamics and coexistence in a sulfide-driven phototrophic bloom. <i>Environmental Microbiomes</i> , 2020, 15, 3.	2.2	16
21	Influence of seasonality on the aerosol microbiome of the Amazon rainforest. <i>Science of the Total Environment</i> , 2021, 760, 144092.	3.9	13
22	Common Environmental Pollutants Negatively Affect Development and Regeneration in the Sea Anemone <i>Nematostella vectensis</i> Holobiont. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	5
23	Microbial Communities and Metabolisms at Hydrocarbon Seeps. <i>Springer Oceanography</i> , 2020, , 1-19.	0.2	4
24	Editorial: Microbial Communities and Metabolisms Involved in the Degradation of Cellular and Extracellular Organic Biopolymers. <i>Frontiers in Microbiology</i> , 2021, 12, 802619.	1.5	0