

Matthias Y Kellermann

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,339
citations

361413

20
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1679
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermophilic anaerobic oxidation of methane by marine microbial consortia. ISME Journal, 2011, 5, 1946-1956.	9.8	185
2	Autotrophy as a predominant mode of carbon fixation in anaerobic methane-oxidizing microbial communities. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19321-19326.	7.1	131
3	Metabolic Capabilities of Microorganisms Involved in and Associated with the Anaerobic Oxidation of Methane. Frontiers in Microbiology, 2016, 7, 46.	3.5	99
4	Unprecedented Ultrahigh Resolution FT-ICR Mass Spectrometry and Parts-Per-Billion Mass Accuracy Enable Direct Characterization of Nickel and Vanadyl Porphyrins in Petroleum from Natural Seeps. Energy & Fuels, 2014, 28, 2454-2464.	5.1	88
5	Microbial Communities in Methane- and Short Chain Alkane-Rich Hydrothermal Sediments of Guaymas Basin. Frontiers in Microbiology, 2016, 7, 17.	3.5	72
6	Assessing sub-seafloor microbial activity by combined stable isotope probing with deuterated water and ¹³ C-bicarbonate. Environmental Microbiology, 2012, 14, 1517-1527.	3.8	70
7	Towards constraining H ₂ concentration in subseafloor sediment: A proposal for combined analysis by two distinct approaches. Geochimica Et Cosmochimica Acta, 2012, 77, 186-201.	3.9	58
8	Respiratory quinones in Archaea: phylogenetic distribution and application as biomarkers in the marine environment. Environmental Microbiology, 2016, 18, 692-707.	3.8	55
9	Systematic fragmentation patterns of archaeal intact polar lipids by high-performance liquid chromatography/electrospray ionization ion-trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 3563-3574.	1.5	49
10	Important roles for membrane lipids in haloarchaeal bioenergetics. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2940-2956.	2.6	49
11	Rapid rates of aerobic methane oxidation at the feather edge of gas hydrate stability in the waters of Hudson Canyon, US Atlantic Margin. Geochimica Et Cosmochimica Acta, 2017, 204, 375-387.	3.9	43
12	Toxic effects of UV filters from sunscreens on coral reefs revisited: regulatory aspects for reef safe-products. Environmental Sciences Europe, 2021, 33, .	5.5	43
13	Tracking activity and function of microorganisms by stable isotope probing of membrane lipids. Current Opinion in Biotechnology, 2016, 41, 43-52.	6.6	41
14	Starvation and recovery in the deep-sea methanotroph Methyloprofundus sedimenti. Molecular Microbiology, 2017, 103, 242-252.	2.5	40
15	Methane-Oxidizing Bacteria Shunt Carbon to Microbial Mats at a Marine Hydrocarbon Seep. Frontiers in Microbiology, 2017, 8, 186.	3.5	39
16	Tracing the production and fate of individual archaeal intact polar lipids using stable isotope probing. Organic Geochemistry, 2016, 95, 13-20.	1.8	33
17	Challenges in Current Coral Reef Protection – Possible Impacts of UV Filters Used in Sunscreens, a Critical Review. Frontiers in Marine Science, 2021, 8, .	2.5	33
18	Symbiont-host relationships in chemosynthetic mussels: A comprehensive lipid biomarker study. Organic Geochemistry, 2012, 43, 112-124.	1.8	32

#	ARTICLE	IF	CITATIONS
19	Recurrent Oil Sheens at the <i>Deepwater Horizon</i> Disaster Site Fingerprinted with Synthetic Hydrocarbon Drilling Fluids. <i>Environmental Science & Technology</i> , 2013, 47, 8211-8219.	10.0	31
20	Methane in shallow cold seeps at Mocha Island off central Chile. <i>Continental Shelf Research</i> , 2011, 31, 574-581.	1.8	24
21	Determining the flux of methane into <sc>H</sc>udson <sc>C</sc>anyon at the edge of methane clathrate hydrate stability. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3882-3892.	2.5	19
22	Mono- and multispecies biofilms from a crustose coralline alga induce settlement in the scleractinian coral <i>Leptastrea purpurea</i> . <i>Coral Reefs</i> , 2021, 40, 381-394.	2.2	19
23	Chemical Defense Mechanisms and Ecological Implications of Indo-Pacific Holothurians. <i>Molecules</i> , 2020, 25, 4808.	3.8	17
24	Towards the Development of Standardized Bioassays for Corals: Acute Toxicity of the UV Filter Benzophenone-3 to Scleractinian Coral Larvae. <i>Toxics</i> , 2022, 10, 244.	3.7	17
25	Anti-Fouling Effects of Saponin-Containing Crude Extracts from Tropical Indo-Pacific Sea Cucumbers. <i>Marine Drugs</i> , 2020, 18, 181.	4.6	13
26	Photosensitivity of the Bacterial Pigment Cycloprodigiosin Enables Settlement in Coral Larvae—Light as an Understudied Environmental Factor. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	11
27	Formation of ethane and propane via abiotic reductive conversion of acetic acid in hydrothermal sediments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
28	UV filters used in sunscreens—A lack in current coral protection?. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 926-939.	2.9	8
29	Minimal Influence of [NiFe] Hydrogenase on Hydrogen Isotope Fractionation in H ₂ -Oxidizing <i>Cupriavidus necator</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1886.	3.5	6
30	Ecological and Pharmacological Activities of Polybrominated Diphenyl Ethers (PBDEs) from the Indonesian Marine Sponge <i>Lamellodysidea herbacea</i> . <i>Marine Drugs</i> , 2021, 19, 611.	4.6	5
31	Biodegradation at the Seafloor: Ultrahigh Resolution FT-ICR Mass Spectral Characterization of Natural Petroleum Seeps. <i>International Oil Spill Conference Proceedings</i> , 2014, 2014, 2083-2097.	0.1	0