Richard Seifert

List of Publications by Year
in descending order

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36 papers	3,388 citations	186265 28 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	3459 citing authors

#	Article	IF	Citations
1	Microbial Reefs in the Black Sea Fueled by Anaerobic Oxidation of Methane. Science, 2002, 297, 1013-1015.	12.6	673
2	Membrane lipid patterns typify distinct anaerobic methanotrophic consortia. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11111-11116.	7.1	331
3	Hydrogen is an energy source for hydrothermal vent symbioses. Nature, 2011, 476, 176-180.	27.8	251
4	Geochemistry of hydrothermal fluids from the ultramafic-hosted Logatchev hydrothermal field, 15Â°N on the Mid-Atlantic Ridge: Temporal and spatial investigation. Chemical Geology, 2007, 242, 1-21.	3.3	246
5	Highly isotopically depleted isoprenoids: molecular markers for ancient methane venting. Geochimica Et Cosmochimica Acta, 1999, 63, 3959-3966.	3.9	232
6	Methane distribution in European tidal estuaries. Biogeochemistry, 2002, 59, 95-119.	3.5	167
7	Biosynthesis of hopanoids by sulfate-reducing bacteria (genus Desulfovibrio). Environmental Microbiology, 2006, 8, 1220-1227.	3.8	158
8	Unexpected occurrence of hopanoids at gas seeps in the Black Sea. Organic Geochemistry, 2003, 34, 81-87.	1.8	114
9	Subsurface Microbial Methanotrophic Mats in the Black Sea. Applied and Environmental Microbiology, 2005, 71, 6375-6378.	3.1	87
10	Metabolites of xenobiotica and mineral oil constituents linked to macromolecular organic matter in polluted environments. Organic Geochemistry, 1994, 22, 671-IN10.	1.8	82
11	The influence of ultramafic rocks on microbial communities at the Logatchev hydrothermal field, located 15Ã‚Â°N on the Mid-Atlantic Ridge. FEMS Microbiology Ecology, 2007, 61, 97-109.	2.7	81
12	Extracellular polymeric substances (EPS) from cyanobacterial mats: characterisation and isolation method optimisation. Marine Biology, 2007, 152, 1077-1085.	1.5	79
13	Aerobic methanotrophy in the oxicâ€“anoxic transition zone of the Black Sea water column. Organic Geochemistry, 2007, 38, 84-91.	1.8	71
14	Diagenetic barium cycling in Black Sea sediments â€“ A case study for anoxic marine environments. Geochimica Et Cosmochimica Acta, 2012, 88, 88-105.	3.9	67
15	In Vitro Study of Lipid Biosynthesis in an Anaerobically Methane-Oxidizing Microbial Mat. Applied and Environmental Microbiology, 2005, 71, 4345-4351.	3.1	66
16	Microbial CO2fixation and sulfur cycling associated with low-temperature emissions at the Lilliput hydrothermal field, southern Mid-Atlantic Ridge (9Â°S). Environmental Microbiology, 2007, 9, 1186-1201.	3.8	64
17	Methanogenic capabilities of <scp>ANME</scp>â€archaea deduced from <scp><scp>¹³C</scp></scp>â€labelling approaches. Environmental Microbiology, 2013, 15, 2384-2393.	3.8	61
18	A novel, multiâ€layered methanotrophic microbial mat system growing on the sediment of the Black Sea. Environmental Microbiology, 2008, 10, 1934-1947.	3.8	55

#	Article	IF	Citations
19	Endemic hydrothermal vent species identified in the open ocean seed bank. Nature Microbiology, 2016, 1, 16086.	13.3	55
20	Lipid geochemistry of methane-seep-related Black Sea carbonates. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 227, 31-47.	2.3	51
21	Formation of Nonextractable Soil Residues:Â A Stable Isotope Approach. Environmental Science & Technology, 1999, 33, 3761-3767.	10.0	45
22	Geochemistry of diffuse low-temperature hydrothermal fluids in the North Fiji basin. Geochimica Et Cosmochimica Acta, 2002, 66, 1409-1427.	3.9	40
23	Methane dynamics in a microbial community of the Black Sea traced by stable carbon isotopes in vitro. Organic Geochemistry, 2006, 37, 1411-1419.	1.8	40
24	Euphotic zone bacterioplankton sources major sedimentary bacteriohopanepolyols in the Holocene Black Sea. Geochimica Et Cosmochimica Acta, 2009, 73, 750-766.	3.9	38
25	Geochemical constraints on the diversity and activity of H2-oxidizing microorganisms in diffuse hydrothermal fluids from a basalt- and an ultramafic-hosted vent. FEMS Microbiology Ecology, 2010, 74, 55-71.	2.7	37
26	Flux and dispersion of gases from the â€œDrachenschlundâ€•hydrothermal vent at 8Â°18' S, 13Â°30' W on the Mid-Atlantic Ridge. Earth and Planetary Science Letters, 2008, 270, 338-348.	4.4	31
27	Isotope fractionation and mixing in methane plumes from the Logatchev hydrothermal field. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	31
28	Ethylene and methane in the upper water column of the subtropical Atlantic. Biogeochemistry, 1999, 44, 73-91.	3.5	30
29	Authigenic carbonate formation and its impact on the biomarker inventory at hydrocarbon seeps â€“ A case study from the Holocene Black Sea and the Plio-Pleistocene Northern Apennines (Italy). Marine and Petroleum Geology, 2015, 66, 532-541.	3.3	28
30	Driving forces behind the biotope structures in two low-temperature hydrothermal venting sites on the southern Mid-Atlantic Ridge. Environmental Microbiology Reports, 2011, 3, 727-737.	2.4	25
31	Biomarkers Reveal Diverse Microbial Communities in Black Smoker Sulfides from Turtle Pits (Mid-Atlantic Ridge, Recent) and Yaman Kasy (Russia, Silurian). Geomicrobiology Journal, 2012, 29, 66-75.	2.0	17
32	Membrane Lipid Composition and Amino Acid Excretion Patterns of Methanothermococcus okinawensis Grown in the Presence of Inhibitors Detected in the Enceladian Plume. Life, 2019, 9, 85.	2.4	12
33	Can hydrocarbons entrapped in seep carbonates serve as gas geochemistry recorder?. Geo-Marine Letters, 2018, 38, 121-129.	1.1	9
34	Hydrothermal fluid emanations from the submarine Kick'em Jenny volcano, Lesser Antilles island arc. Marine Geology, 2007, 244, 129-141.	2.1	8
35	Marine Methane Biogeochemistry of the Black Sea: A Review. Modern Approaches in Solid Earth Sciences, 2008, , 281-311.	0.3	6
36	Geochemical constraints on the diversity and activity of H2-oxidizing microorganisms in diffuse hydrothermal fluids from a basalt- and an ultramafic-hosted vent. FEMS Microbiology Ecology, 2013, 85, 210-210.	2.7	0