

Clemens Glombitza

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,464
citations

361045

20
h-index

433756

31
g-index

35
all docs

35
docs citations

35
times ranked

1795
citing authors

#	ARTICLE	IF	CITATIONS
1	Response to substrate limitation by a marine sulfate-reducing bacterium. <i>ISME Journal</i> , 2022, 16, 200-210.	4.4	7
2	Rapid metabolism fosters microbial survival in the deep, hot seafloor biosphere. <i>Nature Communications</i> , 2022, 13, 312.	5.8	21
3	Anaerobic bacterial degradation of protein and lipid macromolecules in subarctic marine sediment. <i>ISME Journal</i> , 2021, 15, 833-847.	4.4	38
4	Organic matter mineralization in modern and ancient ferruginous sediments. <i>Nature Communications</i> , 2021, 12, 2216.	5.8	25
5	Active microbial sulfate reduction in fluids of serpentinizing peridotites of the continental subsurface. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	21
6	Interactions between temperature and energy supply drive microbial communities in hydrothermal sediment. <i>Communications Biology</i> , 2021, 4, 1006.	2.0	10
7	Accessing the Subsurface Biosphere Within Rocks Undergoing Active Low-Temperature Serpentinization in the Samail Ophiolite (Oman Drilling Project). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006315.	1.3	27
8	Temperature limits to deep seafloor life in the Nankai Trough subduction zone. <i>Science</i> , 2020, 370, 1230-1234.	6.0	65
9	Macrofaunal control of microbial community structure in continental margin sediments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15911-15922.	3.3	40
10	Origin of Short-Chain Organic Acids in Serpentinite Mud Volcanoes of the Mariana Convergent Margin. <i>Frontiers in Microbiology</i> , 2019, 10, 1729.	1.5	11
11	Controls on volatile fatty acid concentrations in marine sediments (Baltic Sea). <i>Geochimica Et Cosmochimica Acta</i> , 2019, 258, 226-241.	1.6	38
12	Microbial Organic Matter Degradation Potential in Baltic Sea Sediments Is Influenced by Depositional Conditions and <i>In Situ</i> Geochemistry. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	37
13	Control on rate and pathway of anaerobic organic carbon degradation in the seabed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 367-372.	3.3	126
14	Microbially Mediated Coupling of Fe and N Cycles by Nitrate-Reducing Fe(II)-Oxidizing Bacteria in Littoral Freshwater Sediments. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	45
15	D:L-Amino Acid Modeling Reveals Fast Microbial Turnover of Days to Months in the Subsurface Hydrothermal Sediment of Guaymas Basin. <i>Frontiers in Microbiology</i> , 2018, 9, 967.	1.5	23
16	Bacterial interactions during sequential degradation of cyanobacterial necromass in a sulfidic arctic marine sediment. <i>Environmental Microbiology</i> , 2018, 20, 2927-2940.	1.8	50
17	Hydrogen Utilization Potential in Subsurface Sediments. <i>Frontiers in Microbiology</i> , 2016, 7, 8.	1.5	21
18	Microbial Sulfate Reduction Potential in Coal-Bearing Sediments Down to ~2.5 km below the Seafloor off Shimokita Peninsula, Japan. <i>Frontiers in Microbiology</i> , 2016, 7, 1576.	1.5	35

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19	Anaerobic microbial Fe(II) oxidation and Fe(III) reduction in coastal marine sediments controlled by organic carbon content. <i>Environmental Microbiology</i> , 2016, 18, 3159-3174.	1.8	42
20	Differences in bitumen and kerogen-bound fatty acid fractions during diagenesis and early catagenesis in a maturity series of New Zealand coals. <i>International Journal of Coal Geology</i> , 2016, 153, 28-36.	1.9	15
21	Microbial abundance in lacustrine sediments: a case study from Lake Van, Turkey. <i>International Journal of Earth Sciences</i> , 2015, 104, 1667-1677.	0.9	26
22	Formate, acetate, and propionate as substrates for sulfate reduction in sub-arctic sediments of Southwest Greenland. <i>Frontiers in Microbiology</i> , 2015, 6, 846.	1.5	76
23	Exploring deep microbial life in coal-bearing sediment down to ~2.5 km below the ocean floor. <i>Science</i> , 2015, 349, 420-424.	6.0	376
24	Direct analysis of volatile fatty acids in marine sediment porewater by two-dimensional ion chromatography-mass spectrometry. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 455-468.	1.0	46
25	Sulfate reduction controlled by organic matter availability in deep sediment cores from the saline, alkaline Lake Van (Eastern Anatolia, Turkey). <i>Frontiers in Microbiology</i> , 2013, 4, 209.	1.5	47
26	A System for Incubations at High Gas Partial Pressure. <i>Frontiers in Microbiology</i> , 2012, 3, 25.	1.5	17
27	Structural insights from boron tribromide ether cleavage into lignites and low maturity coals from the New Zealand Coal Band. <i>Organic Geochemistry</i> , 2011, 42, 228-236.	0.9	6
28	A novel procedure to detect low molecular weight compounds released by alkaline ester cleavage from low maturity coals to assess its feedstock potential for deep microbial life. <i>Organic Geochemistry</i> , 2009, 40, 175-183.	0.9	36
29	Maturation related changes in the distribution of ester bound fatty acids and alcohols in a coal series from the New Zealand Coal Band covering diagenetic to catagenetic coalification levels. <i>Organic Geochemistry</i> , 2009, 40, 1063-1073.	0.9	26
30	Photochemical Preparation of Highly Functionalized 1-Indanones.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
31	Photochemical Preparation of Highly Functionalized 1-Indanones. <i>Journal of Organic Chemistry</i> , 2004, 69, 7582-7591.	1.7	56
32	500,000 Years of Environmental History in Eastern Anatolia: The PALEOVAN Drilling Project. <i>Scientific Drilling</i> , 0, 14, 18-29.	1.0	34
33	IODP Expedition 337: Deep Coalbed Biosphere off Shimokita – Microbial processes and hydrocarbon system associated with deeply buried coalbed in the ocean. <i>Scientific Drilling</i> , 0, 21, 17-28.	1.0	15