

Tobias Goldhammer

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,438
citations

394421

19
h-index

361022

35
g-index

35
all docs

35
docs citations

35
times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial sequestration of phosphorus in anoxic upwelling sediments. <i>Nature Geoscience</i> , 2010, 3, 557-561.	12.9	214
2	Carbon isotope equilibration during sulphate-limited anaerobic oxidation of methane. <i>Nature Geoscience</i> , 2014, 7, 190-194.	12.9	147
3	Electron transfer of dissolved organic matter and its potential significance for anaerobic respiration in a northern bog. <i>Global Change Biology</i> , 2007, 13, 1771-1785.	9.5	144
4	Unraveling signatures of biogeochemical processes and the depositional setting in the molecular composition of pore water DOM across different marine environments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 207, 57-80.	3.9	103
5	Sulphate in freshwater ecosystems: A review of sources, biogeochemical cycles, ecotoxicological effects and bioremediation. <i>Earth-Science Reviews</i> , 2021, 212, 103446.	9.1	82
6	Molecular alteration of marine dissolved organic matter under experimental hydrothermal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 68-85.	3.9	73
7	Relative importance of methylotrophic methanogenesis in sediments of the Western Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 224, 171-186.	3.9	71
8	Phosphate oxygen isotopes: Insights into sedimentary phosphorus cycling from the Benguela upwelling system. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3741-3756.	3.9	68
9	Towards constraining H ₂ concentration in subseafloor sediment: A proposal for combined analysis by two distinct approaches. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 186-201.	3.9	58
10	<i>Thermococcus kodakarensis</i> modulates its polar membrane lipids and elemental composition according to growth stage and phosphate availability. <i>Frontiers in Microbiology</i> , 2014, 5, 10.	3.5	58
11	Experimental investigation on the controls of clumped isotopologue and hydrogen isotope ratios in microbial methane. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 339-356.	3.9	48
12	Impacts of redox conditions on dissolved organic matter (DOM) quality in marine sediments off the River Rhône, Western Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 151-169.	3.9	38
13	Near-surface Heating of Young Rift Sediment Causes Mass Production and Discharge of Reactive Dissolved Organic Matter. <i>Scientific Reports</i> , 2017, 7, 44864.	3.3	36
14	Unraveling the Importance of Polyphenols for Microbial Carbon Mineralization in Rewetted Riparian Peatlands. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	34
15	Top soil removal reduces water pollution from phosphorus and dissolved organic matter and lowers methane emissions from rewetted peatlands. <i>Journal of Applied Ecology</i> , 2018, 55, 311-320.	4.0	33
16	Ammonia-oxidizing Bacteria of the Nitrospira cluster 1 dominate over ammonia-oxidizing Archaea in oligotrophic surface sediments near the South Atlantic Gyre. <i>Environmental Microbiology Reports</i> , 2015, 7, 404-413.	2.4	22
17	Using isotopes to understand landscape-scale connectivity in a groundwater-dominated, lowland catchment under drought conditions. <i>Hydrological Processes</i> , 2021, 35, e14197.	2.6	20
18	Marine sediment pore-water profiles of phosphate δ ¹⁸ O using a refined micro-extraction. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 110-120.	2.0	19

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19	Extensive nitrogen loss from permeable sediments off North West Africa. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1144-1157.	3.0	19
20	Isoprenoid Quinones Resolve the Stratification of Redox Processes in a Biogeochemical Continuum from the Photic Zone to Deep Anoxic Sediments of the Black Sea. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	19
21	Consistent CO ₂ release by pyrite oxidation on continental shelves prior to glacial terminations. <i>Nature Geoscience</i> , 2019, 12, 929-934.	12.9	19
22	Geochemical focusing and sequestration of manganese during eutrophication of Lake Stechlin (NE Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.5	19
23	The contrasting roles of aquatic fungi and oomycetes in the degradation and transformation of polymeric organic matter. <i>Limnology and Oceanography</i> , 2019, 64, 2662-2678.	3.1	18
24	Desiccation and product accumulation constrain heterotrophic anaerobic respiration in peats of an ombrotrophic temperate bog. <i>Soil Biology and Biochemistry</i> , 2008, 40, 2007-2015.	8.8	11
25	Hydroclimatic variability and riparian wetland restoration control the hydrology and nutrient fluxes in a lowland agricultural catchment. <i>Journal of Hydrology</i> , 2021, 603, 126904.	5.4	11
26	<i>In situ</i> abundance and carbon fixation activity of distinct anoxygenic phototrophs in the stratified seawater lake Rogoznica. <i>Environmental Microbiology</i> , 2019, 21, 3896-3908.	3.8	10
27	<i>Desulfofrigus</i> sp. prevails in sulfate-reducing dilution cultures from sediments of the Benguela upwelling area. <i>FEMS Microbiology Ecology</i> , 2013, 84, 86-97.	2.7	9
28	The evolution of Saharan dust input on Lanzarote (Canary Islands) influenced by human activity in the Northwest Sahara during the early Holocene?. <i>Holocene</i> , 2010, 20, 169-179.	1.7	6
29	Geochemical focusing and burial of sedimentary iron, manganese, and phosphorus during lake eutrophication. <i>Limnology and Oceanography</i> , 2022, 67, 768-783.	3.1	6
30	Intense biological phosphate uptake onto particles in subeuphotic continental margin waters. <i>Geophysical Research Letters</i> , 2017, 44, 2825-2834.	4.0	5
31	Phylogenetic and Functional Diversity of Saprolegniales and Fungi Isolated from Temperate Lakes in Northeast Germany. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 968.	3.5	5
32	Tracer-aided identification of hydrological and biogeochemical controls on in-stream water quality in a riparian wetland. <i>Water Research</i> , 2022, 222, 118860.	11.3	5
33	In situ determination of sulfate turnover in peatlands: A down-scaled push-pull tracer technique. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 740-750.	1.9	4
34	Temporal stability and origin of chemoclines in the deep hypersaline anoxic Urania basin. <i>Geophysical Research Letters</i> , 2015, 42, 4888-4895.	4.0	2
35	Anatomy of a suspended sea floor in the dense brine waters of the deep hypersaline Urania Basin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 171, 104626.	1.4	2