Lars WÃ¶rmer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4154708/publications.pdf

Version: 2024-02-01

48 papers	2,182 citations	236925 25 h-index	233421 45 g-index
51 all docs	51 docs citations	51 times ranked	2758 citing authors

#	Article	IF	Citations
1	Subâ€Annual to Interannual Arabian Sea Upwelling, Sea Surface Temperature, and Indian Monsoon Rainfall Reconstructed Using Congruent Micrometerâ€Scale Climate Proxies. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	3
2	Phosphate-Arsenic Interactions in Halophilic Microorganisms of the Microbial Mat from Laguna Tebenquiche: from the Microenvironment to the Genomes. Microbial Ecology, 2021, 81, 941-953.	2.8	11
3	Disrupted Coherence Between Upwelling Strength and Redox Conditions Reflects Source Water Change in Santa Barbara Basin During the 20th Century. Paleoceanography and Paleoclimatology, 2021, 36, .	2.9	3
4	Ecotoxicity assessment of microcystins from freshwater samples using a bioluminescent cyanobacterial bioassay. Chemosphere, 2020, 240, 124966.	8.2	10
5	Global diversity of microbial communities in marine sediment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27587-27597.	7.1	174
6	Temperature limits to deep subseafloor life in the Nankai Trough subduction zone. Science, 2020, 370, 1230-1234.	12.6	65
7	Mechanistic Insights Into Molecular Proxies Through Comparison of Subannually Resolved Sedimentary Records With Instrumental Water Column Data in the Santa Barbara Basin, Southern California. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA004076.	2.9	13
8	A micrometerâ€scale snapshot on phototroph spatial distributions: mass spectrometry imaging of microbial mats in Octopus Spring, Yellowstone National Park. Geobiology, 2020, 18, 742-759.	2.4	16
9	An annually resolved record of Western European vegetation response to Younger Dryas cooling. Quaternary Science Reviews, 2020, 231, 106198.	3.0	19
10	Biochemical fingerprints of marine fungi: implications for trophic and biogeochemical studies. Aquatic Microbial Ecology, 2020, 84, 75-90.	1.8	14
11	BisnorgammaceraneÂtraces predatoryÂpressureÂand the persistent rise of algal ecosystems after Snowball Earth. Nature Communications, 2019, 10, 476.	12.8	24
12	Microbial dormancy in the marine subsurface: Global endospore abundance and response to burial. Science Advances, 2019, 5, eaav1024.	10.3	64
13	Micrometer scale imaging of sedimentary climate archives â€“ Sample preparation for combined elemental and lipid biomarker analysis. Organic Geochemistry, 2019, 127, 81-91.	1.8	17
14	Towards multiproxy, ultra-high resolution molecular stratigraphy: Enabling laser-induced mass spectrometry imaging of diverse molecular biomarkers in sediments. Organic Geochemistry, 2019, 127, 136-145.	1.8	17
15	Correlative 3D anatomy and spatial chemistry in animal-microbe symbioses: developing sample preparation for phase-contrast synchrotron radiation based micro-computed tomography and mass spectrometry imaging. , 2019, , .		3
16	Transitory microbial habitat in the hyperarid Atacama Desert. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2670-2675.	7.1	172
17	A highly asynchronous developmental program triggered during germination of dormant akinetes of filamentous diazotrophic cyanobacteria. FEMS Microbiology Ecology, 2018, 94, .	2.7	22
18	The ABC Transporter Components HgdB and HgdC are Important for Glycolipid Layer Composition and Function of Heterocysts in Anabaena sp. PCC 7120. Life, 2018, 8, 26.	2.4	13

#	Article	IF	Citations
19	Size and composition of subseafloor microbial community in the Benguela upwelling area examined from intact membrane lipid and DNA analysis. Organic Geochemistry, 2017, 111, 86-100.	1.8	19
20	Molecular evidence for abiotic sulfurization of dissolved organic matter in marine shallow hydrothermal systems. Geochimica Et Cosmochimica Acta, 2016, 190, 35-52.	3.9	60
21	Important roles for membrane lipids in haloarchaeal bioenergetics. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2940-2956.	2.6	49
22	Comprehensive Analysis of Microbial Lipids in Environmental Samples Through HPLC-MS Protocols. Springer Protocols, 2015, , 289-317.	0.3	19
23	Methanothermobacter thermautotrophicus modulates its membrane lipids in response to hydrogen and nutrient availability. Frontiers in Microbiology, 2015, 6, 5.	3.5	35
24	Rapid and simultaneous analysis of three molecular sea surface temperature proxies and application to sediments from the Sea of Marmara. Organic Geochemistry, 2015, 85, 42-53.	1.8	34
25	Functional structure of laminated microbial sediments from a supratidal sandy beach of the German Wadden Sea (St. Peter-Ording). Journal of Sea Research, 2014, 85, 463-473.	1.6	21
26	Ultra-high-resolution paleoenvironmental records via direct laser-based analysis of lipid biomarkers in sediment core samples. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15669-15674.	7.1	45
27	Phylogeography of Cylindrospermopsin and Paralytic Shellfish Toxin-Producing Nostocales Cyanobacteria from Mediterranean Europe (Spain). Applied and Environmental Microbiology, 2014, 80, 1359-1370.	3.1	63
28	Temperature-Dependent Dispersal Strategies of Aphanizomenon ovalisporum (Nostocales,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Tc	2.8	20
29	Improved sensitivity of sedimentary phospholipid analysis resulting from a novel extract cleanup strategy. Organic Geochemistry, 2013, 65, 46-52.	1.8	11
30	Overwintering populations of Anabaena, Aphanizomenon and Microcystis as potential inocula for summer blooms. Journal of Plankton Research, 2013, 35, 1254-1266.	1.8	53
31	Comprehensive glycerol ether lipid fingerprints through a novel reversed phase liquid chromatographyâ€“mass spectrometry protocol. Organic Geochemistry, 2013, 65, 53-62.	1.8	83
32	Application of two new LCâ€“ESIâ€“MS methods for improved detection of intact polar lipids (IPLs) in environmental samples. Organic Geochemistry, 2013, 59, 10-21.	1.8	106
33	Sedimentation Patterns of Toxin-Producing Microcystis Morphospecies in Freshwater Reservoirs. Toxins, 2013, 5, 939-957.	3.4	24
34	Limited Stability of Microcystins in Oligopeptide Compositions of Microcystis aeruginosa (Cyanobacteria): Implications in the Definition of Chemotypes. Toxins, 2013, 5, 1089-1104.	3.4	16
35	Cyanobacterial heterocyst glycolipids in cultures and environmental samples: Diversity and biomarker potential. Limnology and Oceanography, 2012, 57, 1775-1788.	3.1	40
36	Multi-scale strategies for the monitoring of freshwater cyanobacteria: Reducing the sources of uncertainty. Water Research, 2012, 46, 3043-3053.	11.3	51

#	Article	IF	Citations
37	Novel Cardiolipins from Uncultured Methane-Metabolizing Archaea. Archaea, 2012, 2012, 1-9.	2.3	21
38	First detection of cyanobacterial PSP (paralytic shellfish poisoning) toxins in Spanish freshwaters. Toxicon, 2011, 57, 918-921.	1.6	31
39	Cylindrospermopsin production and release by the potentially invasive cyanobacterium Aphanizomenon ovalisporum under temperature and light gradients. Harmful Algae, 2011, 10, 668-675.	4.8	51
40	Importance of natural sedimentation in the fate of microcystins. Chemosphere, 2011, 82, 1141-1146.	8.2	37
41	Natural Photodegradation of the Cyanobacterial Toxins Microcystin and Cylindrospermopsin. Environmental Science & Technology, 2010, 44, 3002-3007.	10.0	118
42	Advances in solid phase extraction of the cyanobacterial toxin cylindrospermopsin. Limnology and Oceanography: Methods, 2009, 7, 568-575.	2.0	27
43	Cylindrospermopsin is not degraded by co-occurring natural bacterial communities during a 40-day study. Harmful Algae, 2008, 7, 206-213.	4.8	101
44	Biotransformation of 3-Nitro-4-hydroxybenzene Arsonic Acid (Roxarsone) and Release of Inorganic Arsenic byClostridiumSpecies. Environmental Science & Technology, 2007, 41, 818-823.	10.0	223
45	Anatoxinâ€a occurrence and potential cyanobacterial anatoxinâ€a producers in Spanish reservoirs¹. Journal of Phycology, 2007, 43, 1120-1125.	2.3	31
46	Cyanobacterial abundance and microcystin occurrence in Mediterranean water reservoirs in Central Spain: microcystins in the Madrid area. European Journal of Phycology, 2006, 41, 281-291.	2.0	38
47	Toxicity ofAphanizomenon ovalisporum(Cyanobacteria) in a Spanish water reservoir. European Journal of Phycology, 2006, 41, 39-45.	2.0	94
48	The Exploration of the Thermococcus barophilus Lipidome Reveals the Widest Variety of Phosphoglycolipids in Thermococcales. Frontiers in Microbiology, 0, 13, .	3.5	0