

Lars Wrmer

List of Publications by Citations

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Version: 2024-04-19

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

1,531
citations

23
h-index

38
g-index

50
ext. papers

1,901
ext. citations

5.7
avg, IF

4.41
L-index

#	Paper	IF	Citations
45	Biotransformation of 3-nitro-4-hydroxybenzene arsonic acid (roxarsone) and release of inorganic arsenic by Clostridium species. <i>Environmental Science & Technology</i> , 2007 , 41, 818-23	10.3	191
44	Transitory microbial habitat in the hyperarid Atacama Desert. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2670-2675	11.5	105
43	Natural photodegradation of the cyanobacterial toxins microcystin and cylindrospermopsin. <i>Environmental Science & Technology</i> , 2010 , 44, 3002-7	10.3	102
42	Cylindrospermopsin is not degraded by co-occurring natural bacterial communities during a 40-day study. <i>Harmful Algae</i> , 2008 , 7, 206-213	5.3	85
41	Toxicity of Aphanizomenon ovalisporum (Cyanobacteria) in a Spanish water reservoir. <i>European Journal of Phycology</i> , 2006 , 41, 39-45	2.2	83
40	Application of two new LC-ESI-MS methods for improved detection of intact polar lipids (IPLs) in environmental samples. <i>Organic Geochemistry</i> , 2013 , 59, 10-21	3.1	79
39	Comprehensive glycerol ether lipid fingerprints through a novel reversed phase liquid chromatography-mass spectrometry protocol. <i>Organic Geochemistry</i> , 2013 , 65, 53-62	3.1	68
38	Phylogeography of cylindrospermopsin and paralytic shellfish toxin-producing nostocales cyanobacteria from mediterranean europe (Spain). <i>Applied and Environmental Microbiology</i> , 2014 , 80, 1359-70	4.8	58
37	Global diversity of microbial communities in marine sediment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27587-27597	11.5	53
36	Multi-scale strategies for the monitoring of freshwater cyanobacteria: reducing the sources of uncertainty. <i>Water Research</i> , 2012 , 46, 3043-53	12.5	44
35	Overwintering populations of Anabaena, Aphanizomenon and Microcystis as potential inocula for summer blooms. <i>Journal of Plankton Research</i> , 2013 , 35, 1254-1266	2.2	42
34	Cylindrospermopsin production and release by the potentially invasive cyanobacterium Aphanizomenon ovalisporum under temperature and light gradients. <i>Harmful Algae</i> , 2011 , 10, 668-675	5.3	40
33	Molecular evidence for abiotic sulfurization of dissolved organic matter in marine shallow hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 190, 35-52	5.5	39
32	Cyanobacterial abundance and microcystin occurrence in Mediterranean water reservoirs in Central Spain: microcystins in the Madrid area. <i>European Journal of Phycology</i> , 2006 , 41, 281-291	2.2	36
31	Microbial dormancy in the marine subsurface: Global endospore abundance and response to burial. <i>Science Advances</i> , 2019 , 5, eaav1024	14.3	31
30	Importance of natural sedimentation in the fate of microcystins. <i>Chemosphere</i> , 2011 , 82, 1141-6	8.4	30
29	Cyanobacterial heterocyst glycolipids in cultures and environmental samples: Diversity and biomarker potential. <i>Limnology and Oceanography</i> , 2012 , 57, 1775-1788	4.8	30

28	First detection of cyanobacterial PSP (paralytic shellfish poisoning) toxins in Spanish freshwaters. <i>Toxicon</i> , 2011 , 57, 918-21	2.8	28
27	Ultra-high-resolution paleoenvironmental records via direct laser-based analysis of lipid biomarkers in sediment core samples. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15669-74	11.5	27
26	Rapid and simultaneous analysis of three molecular sea surface temperature proxies and application to sediments from the Sea of Marmara. <i>Organic Geochemistry</i> , 2015 , 85, 42-53	3.1	26
25	Advances in solid phase extraction of the cyanobacterial toxin cylindrospermopsin. <i>Limnology and Oceanography: Methods</i> , 2009 , 7, 568-575	2.6	26
24	Anatoxin-a occurrence and potential cyanobacterial anatoxin-a producers in Spanish reservoirs1. <i>Journal of Phycology</i> , 2007 , 43, 1120-1125	3	26
23	Methanothermobacter thermautotrophicus modulates its membrane lipids in response to hydrogen and nutrient availability. <i>Frontiers in Microbiology</i> , 2015 , 6, 5	5.7	25
22	Important roles for membrane lipids in haloarchaeal bioenergetics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 2940-2956	3.8	22
21	Bisnorgammacerane tracers predatory pressure and the persistent rise of algal ecosystems after Snowball Earth. <i>Nature Communications</i> , 2019 , 10, 476	17.4	20
20	Temperature limits to deep seafloor life in the Nankai Trough subduction zone. <i>Science</i> , 2020 , 370, 1230-1234	33.3	19
19	Temperature-dependent dispersal strategies of Aphanizomenon ovalisporum (Nostocales, Cyanobacteria): implications for the annual life cycle. <i>Microbial Ecology</i> , 2013 , 65, 12-21	4.4	18
18	Sedimentation patterns of toxin-producing Microcystis morphospecies in freshwater reservoirs. <i>Toxins</i> , 2013 , 5, 939-57	4.9	18
17	Functional structure of laminated microbial sediments from a supratidal sandy beach of the German Wadden Sea (St. Peter-Ording). <i>Journal of Sea Research</i> , 2014 , 85, 463-473	1.9	17
16	A highly asynchronous developmental program triggered during germination of dormant akinetes of filamentous diazotrophic cyanobacteria. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	16
15	Size and composition of seafloor microbial community in the Benguela upwelling area examined from intact membrane lipid and DNA analysis. <i>Organic Geochemistry</i> , 2017 , 111, 86-100	3.1	15
14	Limited stability of microcystins in oligopeptide compositions of Microcystis aeruginosa (Cyanobacteria): implications in the definition of chemotypes. <i>Toxins</i> , 2013 , 5, 1089-1104	4.9	15
13	Novel cardiolipins from uncultured methane-metabolizing archaea. <i>Archaea</i> , 2012 , 2012, 832097	2	14
12	An annually resolved record of Western European vegetation response to Younger Dryas cooling. <i>Quaternary Science Reviews</i> , 2020 , 231, 106198	3.9	11
11	Comprehensive Analysis of Microbial Lipids in Environmental Samples Through HPLC-MS Protocols. <i>Springer Protocols</i> , 2015 , 289-317	0.3	11

10	The ABC Transporter Components HgdB and HgdC are Important for Glycolipid Layer Composition and Function of Heterocysts in sp. PCC 7120. <i>Life</i> , 2018 , 8,	3	10
9	Improved sensitivity of sedimentary phospholipid analysis resulting from a novel extract cleanup strategy. <i>Organic Geochemistry</i> , 2013 , 65, 46-52	3.1	9
8	Micrometer scale imaging of sedimentary climate archives [Sample preparation for combined elemental and lipid biomarker analysis. <i>Organic Geochemistry</i> , 2019 , 127, 81-91	3.1	9
7	Towards multiproxy, ultra-high resolution molecular stratigraphy: Enabling laser-induced mass spectrometry imaging of diverse molecular biomarkers in sediments. <i>Organic Geochemistry</i> , 2019 , 127, 136-145	3.1	8
6	Ecotoxicity assessment of microcystins from freshwater samples using a bioluminescent cyanobacterial bioassay. <i>Chemosphere</i> , 2020 , 240, 124966	8.4	7
5	A micrometer-scale snapshot on phototroph spatial distributions: mass spectrometry imaging of microbial mats in Octopus Spring, Yellowstone National Park. <i>Geobiology</i> , 2020 , 18, 742-759	4.3	5
4	Biochemical fingerprints of marine fungi: implications for trophic and biogeochemical studies. <i>Aquatic Microbial Ecology</i> , 2020 , 84, 75-90	1.1	4
3	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
2	Mechanistic Insights Into Molecular Proxies Through Comparison of Subannually Resolved Sedimentary Records With Instrumental Water Column Data in the Santa Barbara Basin, Southern California. <i>Paleoceanography and Paleoclimatology</i> , 2020 , 35, e2020PA004076	3.3	3
1	Phosphate-Arsenic Interactions in Halophilic Microorganisms of the Microbial Mat from Laguna Tebenquiche: from the Microenvironment to the Genomes. <i>Microbial Ecology</i> , 2021 , 81, 941-953	4.4	3