

# Lewis M Ward

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,874  
citations

279798

23  
h-index

289244

40  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2058  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex History of Aerobic Respiration and Phototrophy in the <i>Chloroflexota</i> Class <i>Anaerolineae</i> Revealed by High-Quality Draft Genome of <i>Ca. Roseilinea mizusawaensis</i> AA3_104. <i>Microbes and Environments</i> , 2021, 36, n/a.	1.6	5
2	Phanerozoic radiation of ammonia oxidizing bacteria. <i>Scientific Reports</i> , 2021, 11, 2070.	3.3	14
3	Changes in ATP Sulfurylase Activity in Response to Altered Cyanobacteria Growth Conditions. <i>Microbes and Environments</i> , 2021, 36, n/a.	1.6	2
4	Granick revisited: Synthesizing evolutionary and ecological evidence for the late origin of bacteriochlorophyll via ghost lineages and horizontal gene transfer. <i>PLoS ONE</i> , 2021, 16, e0239248.	2.5	10
5	The <i>Thermosynechococcus</i> Genus: Wide Environmental Distribution, but a Highly Conserved Genomic Core. <i>Microbes and Environments</i> , 2021, 36, n/a.	1.6	5
6	Inter-domain horizontal gene transfer of nickel-binding superoxide dismutase. <i>Geobiology</i> , 2021, 19, 450-459.	2.4	11
7	Expanded Genomic Sampling Refines Current Understanding of the Distribution and Evolution of Sulfur Metabolisms in the <i>Desulfobulbales</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 666052.	3.5	15
8	Microbial mats in the Turks and Caicos Islands reveal diversity and evolution of phototrophy in the <i>Chloroflexota</i> order <i>Aggregatilineales</i> . <i>Environmental Microbiomes</i> , 2020, 15, 9.	5.0	15
9	Draft Genome Sequence of <i>Desulfobacter hydrogenophilus</i> DSM 3380, a Psychrotolerant Sulfate-Reducing Bacterium. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	1
10	Draft Genome Sequence of <i>Desulfofundulus thermobenzoicus</i> subsp. <i>thermosyntrophicus</i> DSM 14055, a Moderately Thermophilic Sulfate Reducer. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	7
11	Draft Genome Sequence of <i>Desulfovibrio sulfodismutans</i> ThAc01, a Heterotrophic Sulfur-Disproportionating Member of the <i>Desulfobacterota</i> . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	5
12	Genomic sequence analysis of <i>Dissulfurirhabdus thermomarina</i> SH388 and proposed reassignment to <i>Dissulfurirhabdaceae</i> fam. nov.. <i>Microbial Genomics</i> , 2020, 6, .	2.0	2
13	Draft Genome Sequence of <i>Acidianus ambivalens</i> DSM 3772, an Aerobic Thermoacidophilic Sulfur Disproportionator. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	6
14	<i>Candidatus Anthektikosiphon siderophilum</i> OHK22, a New Member of the Chloroflexi Family <i>Herpetosiphonaceae</i> from Oku-okuhachikurou Onsen. <i>Microbes and Environments</i> , 2020, 35, n/a.	1.6	12
15	Evolutionary Implications of Anoxygenic Phototrophy in the Bacterial Phylum <i>Candidatus Eremiobacterota</i> (WPS-2). <i>Frontiers in Microbiology</i> , 2019, 10, 1658.	3.5	88
16	Follow the Oxygen: Comparative Histories of Planetary Oxygenation and Opportunities for Aerobic Life. <i>Astrobiology</i> , 2019, 19, 811-824.	3.0	17
17	Geochemical and Metagenomic Characterization of Jinata Onsen, a Proterozoic-Analog Hot Spring, Reveals Novel Microbial Diversity including Iron-Tolerant Phototrophs and Thermophilic Lithotrophs. <i>Microbes and Environments</i> , 2019, 34, 278-292.	1.6	48
18	The evolution and productivity of carbon fixation pathways in response to changes in oxygen concentration over geological time. <i>Free Radical Biology and Medicine</i> , 2019, 140, 188-199.	2.9	59

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19	Primary Productivity Was Limited by Electron Donors Prior to the Advent of Oxygenic Photosynthesis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 211-226.	3.0	69
20	The next frontier for planetary and human exploration. <i>Nature Astronomy</i> , 2019, 3, 116-120.	10.1	39
21	Draft Genome Sequence of a Divergent Anaerobic Member of the Chloroflexi Class Ardentcatenia from a Sulfidic Hot Spring. <i>Genome Announcements</i> , 2018, 6, .	0.8	13
22	The gut of the finch: uniqueness of the gut microbiome of the Galápagos vampire finch. <i>Microbiome</i> , 2018, 6, 167.	11.1	63
23	O <sub>2</sub> solubility in Martian near-surface environments and implications for aerobic life. <i>Nature Geoscience</i> , 2018, 11, 905-909.	12.9	57
24	MetaPOAP: presence or absence of metabolic pathways in metagenome-assembled genomes. <i>Bioinformatics</i> , 2018, 34, 4284-4286.	4.1	50
25	Evolution of Phototrophy in the Chloroflexi Phylum Driven by Horizontal Gene Transfer. <i>Frontiers in Microbiology</i> , 2018, 9, 260.	3.5	143
26	Draft Genome Sequences of Two Basal Members of the Anaerolineae Class of Chloroflexi from a Sulfidic Hot Spring. <i>Genome Announcements</i> , 2018, 6, .	0.8	15
27	Draft Genome Sequence of <i>Hydrogenibacillus schlegelii</i> MA48, a Deep-Branching Member of the <i>Bacilli</i> Class of <i>Firmicutes</i> . <i>Genome Announcements</i> , 2017, 5, .	0.8	7
28	Microbial diversity and iron oxidation at Okuoku-Chachikurou Onsen, a Japanese hot spring analog of Precambrian iron formations. <i>Geobiology</i> , 2017, 15, 817-835.	2.4	33
29	Evolution of the 3-hydroxypropionate bicycle and recent transfer of anoxygenic photosynthesis into the Chloroflexi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10749-10754.	7.1	108
30	Draft Genome Sequence of <i>Chloracidobacterium</i> sp. CP2_5A, a Phototrophic Member of the Phylum Acidobacteria Recovered from a Japanese Hot Spring. <i>Genome Announcements</i> , 2017, 5, .	0.8	19
31	Draft Genome Sequences of a Novel Lineage of Armatimonadetes Recovered from Japanese Hot Springs. <i>Genome Announcements</i> , 2017, 5, .	0.8	31
32	Crown group Oxyphotobacteria postdate the rise of oxygen. <i>Geobiology</i> , 2017, 15, 19-29.	2.4	153
33	Gene Sequencing-Based Analysis of Microbial-Mat Morphotypes, Caicos Platform, British West Indies. <i>Journal of Sedimentary Research</i> , 2016, 86, 629-636.	1.6	38
34	Timescales of Oxygenation Following the Evolution of Oxygenic Photosynthesis. <i>Origins of Life and Evolution of Biospheres</i> , 2016, 46, 51-65.	1.9	72
35	Draft Genome Sequence of <i>Ardenticatena maritima</i> 110S, a Thermophilic Nitrate- and Iron-Reducing Member of the Chloroflexi Class <i>Ardenticatena</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	31
36	Draft Genome Sequence of <i>Ornatilinea apprima</i> P3M-1, an Anaerobic Member of the Chloroflexi Class <i>Anaerolineae</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	20

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37	Draft Genome of <i>Thermanaerotherix daxensis</i> GNS-1, a Thermophilic Facultative Anaerobe from the <i>Chloroflexi</i> Class <i>Anaerolineae</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	28
38	Draft Genome Sequence of <i>Levilinea saccharolytica</i> KIBI-1, a Member of the <i>Chloroflexi</i> Class <i>Anaerolineae</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	28
39	Draft Genome Sequence of <i>Herpetosiphon geysericola</i> GC-42, a Nonphototrophic Member of the <i>Chloroflexi</i> Class <i>Chloroflexia</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	27
40	Draft Genome Sequence of <i>Leptolinea tardivitalis</i> YMTK-2, a Mesophilic Anaerobe from the <i>Chloroflexi</i> Class <i>Anaerolineae</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	33
41	Genomic Reconstruction of an Uncultured Hydrothermal Vent Gammaproteobacterial Methanotroph (Family <i>Methylothermaceae</i> ) Indicates Multiple Adaptations to Oxygen Limitation. <i>Frontiers in Microbiology</i> , 2015, 6, 1425.	3.5	36
42	Oxygen requirements of the earliest animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4168-4172.	7.1	276
43	Development of an Optimized Medium, Strain and High-Throughput Culturing Methods for <i>Methylobacterium extorquens</i> . <i>PLoS ONE</i> , 2013, 8, e62957.	2.5	122