

Ulysses Lins

List of Publications by Year in descending order

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87
papers

3,908
citations

109137

35
h-index

133063

59
g-index

87
all docs

87
docs citations

87
times ranked

2804
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma Membrane Ca ²⁺ -ATPase Isoform 2a Is the PMCA of Hair Bundles. <i>Journal of Neuroscience</i> , 2001, 21, 5066-5078.	1.7	202
2	A Cultured Greigite-Producing Magnetotactic Bacterium in a Novel Group of Sulfate-Reducing Bacteria. <i>Science</i> , 2011, 334, 1720-1723.	6.0	184
3	â€Candidatus Magnetoglobus multicellularisâ€™™, a multicellular, magnetotactic prokaryote from a hypersaline environment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1318-1322.	0.8	131
4	Phylogenetic affiliation and ultrastructure of uncultured magnetic bacteria with unusually large magnetosomes. <i>Archives of Microbiology</i> , 1998, 169, 136-147.	1.0	127
5	Moderately Thermophilic Magnetotactic Bacteria from Hot Springs in Nevada. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3740-3743.	1.4	127
6	Three-dimensional analysis of the 16 nm urothelial plaque particle: luminal surface exposure, preferential head-to-head interaction, and hinge formation 1 Edited by W. Baumeisser. <i>Journal of Molecular Biology</i> , 1999, 285, 595-608.	2.0	123
7	Haem detoxification by an insect. <i>Nature</i> , 1999, 400, 517-518.	13.7	120
8	A new intracellular pathway of haem detoxification in the midgut of the cattle tick <i>Boophilus microplus</i> : aggregation inside a specialized organelle, the hemosome. <i>Journal of Experimental Biology</i> , 2003, 206, 1707-1715.	0.8	107
9	Monophyletic origin of magnetotaxis and the first magnetosomes. <i>Environmental Microbiology</i> , 2013, 15, 2267-2274.	1.8	102
10	Comparative genomic analysis of magnetotactic bacteria from the <i>Deltaproteobacteria</i> provides new insights into magnetite and greigite magnetosome genes required for magnetotaxis. <i>Environmental Microbiology</i> , 2013, 15, 2712-2735.	1.8	99
11	Culture-independent characterization of a novel, uncultivated magnetotactic member of the <i>Nitrospirae</i> phylum. <i>Environmental Microbiology</i> , 2011, 13, 538-549.	1.8	93
12	Multicellular life cycle of magnetotactic prokaryotes. <i>FEMS Microbiology Letters</i> , 2004, 240, 203-208.	0.7	90
13	Common ancestry of iron oxide- and iron-sulfide-based biomineralization in magnetotactic bacteria. <i>ISME Journal</i> , 2011, 5, 1634-1640.	4.4	89
14	The Otoconia of the Guinea Pig Utricle: Internal Structure, Surface Exposure, and Interactions with the Filament Matrix. <i>Journal of Structural Biology</i> , 2000, 131, 67-78.	1.3	87
15	Cell organization and ultrastructure of a magnetotactic multicellular organism. <i>Journal of Structural Biology</i> , 2004, 145, 254-262.	1.3	80
16	Magnetite (Fe ₃ O ₄) and Greigite (Fe ₃ S ₄) Crystals in Multicellular Magnetotactic Prokaryotes. <i>Geomicrobiology Journal</i> , 2007, 24, 43-50.	1.0	76
17	Measuring spectroscopy and magnetism of extracted and intracellular magnetosomes using soft X-ray ptychography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8219-E8227.	3.3	75
18	Identification and biodegradation potential of a novel strain of <i>Dietzia cinnamea</i> isolated from a petroleum-contaminated tropical soil. <i>Systematic and Applied Microbiology</i> , 2007, 30, 331-339.	1.2	74

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19	Rhamnolipid and surfactin inhibit <i>Listeria monocytogenes</i> adhesion. <i>Food Research International</i> , 2011, 44, 481-488.	2.9	72
20	Magnetotactic Bacteria as Potential Sources of Bioproducts. <i>Marine Drugs</i> , 2015, 13, 389-430.	2.2	71
21	Magnetic microstructure of bacterial magnetite by electron holography. <i>European Journal of Mineralogy</i> , 2001, 13, 685-689.	0.4	68
22	Characterizing magnetism of individual magnetosomes by X-ray magnetic circular dichroism in a scanning transmission X-ray microscope. <i>Chemical Geology</i> , 2010, 270, 110-116.	1.4	67
23	Keratinases and sulfide from <i>Bacillus subtilis</i> SLC to recycle feather waste. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1259-1269.	1.7	66
24	Morphological features of elongated-anisotropic magnetosome crystals in magnetotactic bacteria of the Nitrospirae phylum and the Deltaproteobacteria class. <i>Earth and Planetary Science Letters</i> , 2011, 312, 194-200.	1.8	65
25	Antimicrobial action and anti-corrosion effect against sulfate reducing bacteria by lemongrass (<i>Cymbopogon citratus</i>) essential oil and its major component, the citral. <i>AMB Express</i> , 2013, 3, 44.	1.4	57
26	Purification and characterization of a surfactin-like molecule produced by <i>Bacillus</i> sp. H2O-1 and its antagonistic effect against sulfate reducing bacteria. <i>BMC Microbiology</i> , 2012, 12, 252.	1.3	55
27	Habits of Magnetosome Crystals in Coccoid Magnetotactic Bacteria. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4902-4905.	1.4	54
28	Simple homemade apparatus for harvesting uncultured magnetotactic microorganisms. <i>Brazilian Journal of Microbiology</i> , 2003, 34, 111-116.	0.8	53
29	Nonmagnetotactic Multicellular Prokaryotes from Low-Saline, Nonmarine Aquatic Environments and Their Unusual Negative Phototactic Behavior. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3220-3227.	1.4	50
30	Isolation, cultivation and genomic analysis of magnetosome biomineralization genes of a new genus of South-seeking magnetotactic cocci within the Alphaproteobacteria. <i>Frontiers in Microbiology</i> , 2014, 5, 72.	1.5	47
31	Phosphorus-rich granules in uncultured magnetotactic bacteria. <i>FEMS Microbiology Letters</i> , 1999, 172, 23-28.	0.7	44
32	Immunogold TEM of otoconin 90 and otolin " relevance to mineralization of "otoconia, and pathogenesis of benign positional vertigo. <i>Hearing Research</i> , 2012, 292, 14-25.	0.9	43
33	Deciphering unusual uncultured magnetotactic multicellular prokaryotes through genomics. <i>ISME Journal</i> , 2014, 8, 1055-1068.	4.4	42
34	Manganese in biogenic magnetite crystals from magnetotactic bacteria. <i>FEMS Microbiology Letters</i> , 2009, 292, 250-253.	0.7	39
35	Organization of cells in magnetotactic multicellular aggregates. <i>Microbiological Research</i> , 1999, 154, 9-13.	2.5	36
36	Optimization of Magnetosome Production and Growth by the Magnetotactic <i>Vibrio Magnetovibrio blakemorei</i> Strain MV-1 through a Statistics-Based Experimental Design. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2823-2827.	1.4	36

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37	Impairment of sterol biosynthesis leads to phosphorus and calcium accumulation in <i>Leishmania acidocalcisomes</i> . <i>Microbiology (United Kingdom)</i> , 1999, 145, 3213-3220.	0.7	36
38	Culture-independent characterization of novel psychrophilic magnetotactic cocci from Antarctic marine sediments. <i>Environmental Microbiology</i> , 2016, 18, 4426-4441.	1.8	35
39	Structure, Behavior, Ecology and Diversity of Multicellular Magnetotactic Prokaryotes. , 2006, , 103-132.		34
40	Intracellular inclusions of uncultured magnetotactic bacteria. <i>International Microbiology</i> , 2005, 8, 111-7.	1.1	34
41	The observation of large magnetite (Fe_3O_4) crystals from magnetotactic bacteria by electron and atomic force microscopy. <i>Journal of Microscopy</i> , 1994, 173, 1-8.	0.8	33
42	Salinity dependence of the distribution of multicellular magnetotactic prokaryotes in a hypersaline lagoon. <i>International Microbiology</i> , 2009, 12, 193-201.	1.1	33
43	Electron Spectroscopic Imaging of Magnetotactic Bacteria: Magnetosome Morphology and Diversity. <i>Microscopy and Microanalysis</i> , 2000, 6, 463-470.	0.2	30
44	Flagellar apparatus of south-seeking many-celled magnetotactic prokaryotes. <i>Microscopy Research and Technique</i> , 2007, 70, 10-17.	1.2	30
45	Prismatic magnetite magnetosomes from cultivated <i>Magnetovibrio blakemorei</i> strain MV-1: a magnetic fingerprint in marine sediments?. <i>Environmental Microbiology Reports</i> , 2012, 4, 664-668.	1.0	30
46	Grazing protozoa and magnetosome dissolution in magnetotactic bacteria. <i>Environmental Microbiology</i> , 2007, 9, 2775-2781.	1.8	29
47	Cell viability in magnetotactic multicellular prokaryotes. <i>International Microbiology</i> , 2006, 9, 267-72.	1.1	26
48	Reproducibility of Immunostaining Quantification and Description of a New Digital Image Processing Procedure for Quantitative Evaluation of Immunohistochemistry in Pathology. <i>Microscopy and Microanalysis</i> , 2009, 15, 353-365.	0.2	25
49	Lipase production and <i>Penicillium simplicissimum</i> morphology in solid-state and submerged fermentations. <i>Biotechnology Journal</i> , 2009, 4, 1450-1459.	1.8	25
50	Comparative analysis of <i>Beggiatoa</i> from hypersaline and marine environments. <i>Micron</i> , 2010, 41, 507-517.	1.1	24
51	Uptake and persistence of bacterial magnetite magnetosomes in a mammalian cell line: Implications for medical and biotechnological applications. <i>PLoS ONE</i> , 2019, 14, e0215657.	1.1	24
52	Cryo-electron tomography of the magnetotactic vibrio <i>Magnetovibrio blakemorei</i> : Insights into the biomineralization of prismatic magnetosomes. <i>Journal of Structural Biology</i> , 2013, 181, 162-168.	1.3	22
53	Ultrastructure of ellipsoidal magnetotactic multicellular prokaryotes depicts their complex assemblage and cellular polarity in the context of magnetotaxis. <i>Environmental Microbiology</i> , 2017, 19, 2151-2163.	1.8	22
54	Nitrate treatment effects on bacterial community biofilm formed on carbon steel in produced water stirred tank bioreactor. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 2355-2363.	1.7	21

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55	Swimming behaviour of the multicellular magnetotactic prokaryote <i>Candidatus Magnetoglobus multicellularis</i> ™ under applied magnetic fields and ultraviolet light. <i>Antonie Van Leeuwenhoek</i> , 2013, 103, 845-857.	0.7	21
56	Cell Adhesion, Multicellular Morphology, and Magnetosome Distribution in the Multicellular Magnetotactic Prokaryote <i>Candidatus Magnetoglobus multicellularis</i> . <i>Microscopy and Microanalysis</i> , 2013, 19, 535-543.	0.2	21
57	Magnetosome magnetite biomineralization in a flagellated protist: evidence for an early evolutionary origin for magnetoreception in eukaryotes. <i>Environmental Microbiology</i> , 2020, 22, 1495-1506.	1.8	21
58	Cytochemical techniques and energy-filtering transmission electron microscopy applied to the study of parasitic protozoa. <i>Biological Procedures Online</i> , 2001, 3, 8-18.	1.4	20
59	Spatiotemporal distribution of the magnetotactic multicellular prokaryote <i>Candidatus Magnetoglobus multicellularis</i> in a Brazilian hypersaline lagoon and in microcosms. <i>International Microbiology</i> , 2012, 15, 141-9.	1.1	20
60	Amorphous mineral phases in magnetotactic multicellular aggregates. <i>Archives of Microbiology</i> , 2001, 176, 323-328.	1.0	19
61	Geochemical Characteristics Related to the Greigite-Producing Multicellular Magnetotactic Prokaryote <i>Candidatus Magnetoglobus multicellularis</i> in a Hypersaline Lagoon. <i>Geomicrobiology Journal</i> , 2011, 28, 705-713.	1.0	19
62	North-Seeking Magnetotactic Gammaproteobacteria in the Southern Hemisphere. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5595-5602.	1.4	19
63	Culture-independent characterization of a novel magnetotactic member affiliated to the <i>Beta</i> class of the <i>Proteobacteria</i> phylum from an acidic lagoon. <i>Environmental Microbiology</i> , 2018, 20, 2615-2624.	1.8	19
64	Elemental analysis of uncultured magnetotactic bacteria exposed to heavy metals. <i>Canadian Journal of Microbiology</i> , 2001, 47, 1132-1136.	0.8	18
65	Combined genomic and structural analyses of a cultured magnetotactic bacterium reveals its niche adaptation to a dynamic environment. <i>BMC Genomics</i> , 2016, 17, 726.	1.2	18
66	Structural basis for mechanical transduction in the frog vestibular sensory apparatus: III. The organization of the otoconial mass. <i>Hearing Research</i> , 1999, 131, 11-21.	0.9	17
67	Mitochondrial derivatives of <i>Culex quinquefasciatus</i> (culicidae) spermatozoon: Some new aspects evidenced by cytochemistry and image processing. <i>Journal of Structural Biology</i> , 1992, 109, 46-51.	1.3	16
68	A Bacterial Backbone: Magnetosomes in Magnetotactic Bacteria. , 2011, , 75-102.		16
69	Greigite magnetosome membrane ultrastructure in ' <i>Candidatus Magnetoglobus multicellularis</i> '. <i>International Microbiology</i> , 2008, 11, 75-80.	1.1	16
70	Magnetosome size distribution in uncultured rod-shaped bacteria as determined by electron microscopy and electron spectroscopic imaging. , 1998, 42, 459-464.		15
71	Ultrastructure and cytochemistry of lipid granules in the many-celled magnetotactic prokaryote, <i>Candidatus Magnetoglobus multicellularis</i> ™. <i>Micron</i> , 2008, 39, 1387-1392.	1.1	15
72	Magnetosome chain superstructure in uncultured magnetotactic bacteria. <i>Physical Biology</i> , 2010, 7, 046016.	0.8	15

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73	Examining the chemistry and magnetism of magnetotactic bacterium <i>Candidatus Magnetovibrio blakemorei</i> strain MV-1 using scanning transmission X-ray microscopy. <i>Chemical Geology</i> , 2012, 300-301, 14-23.	1.4	15
74	Envelope ultrastructure of uncultured naturally occurring magnetotactic cocci. <i>FEMS Microbiology Letters</i> , 2003, 219, 33-38.	0.7	14
75	Crystal habits and magnetic microstructures of magnetosomes in coccoid magnetotactic bacteria. <i>Anais Da Academia Brasileira De Ciencias</i> , 2006, 78, 463-474.	0.3	13
76	Localized iron accumulation precedes nucleation and growth of magnetite crystals in magnetotactic bacteria. <i>Scientific Reports</i> , 2017, 7, 8291.	1.6	12
77	Magnetosome chain arrangement and stability in magnetotactic cocci. <i>Antonie Van Leeuwenhoek</i> , 2004, 85, 335-341.	0.7	11
78	Deep-Etching Electron Microscopy of Cells of <i>Magnetospirillum magnetotacticum</i> : Evidence for Filamentous Structures Connecting the Magnetosome Chain to the Cell Surface. <i>Current Microbiology</i> , 2007, 54, 1-4.	1.0	10
79	Surface imaging of the filamentous fungus <i>Penicillium simplicissimum</i> growing in a solid-state fermentation system. <i>Micron</i> , 2017, 99, 19-25.	1.1	10
80	<i>Streptomyces lunalinharesii</i> Strain 235 Shows the Potential to Inhibit Bacteria Involved in Biocorrosion Processes. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	9
81	Ferromagnetic resonance of intact cells and isolated crystals from cultured and uncultured magnetite-producing magnetotactic bacteria. <i>Physical Biology</i> , 2014, 11, 036006.	0.8	7
82	X-ray Absorption Spectroscopy and Magnetism of Synthetic Greigite and Greigite Magnetosomes in Magnetotactic Bacteria. <i>Geomicrobiology Journal</i> , 2018, 35, 215-226.	1.0	6
83	Imaging faces of shadowed magnetite (Fe ₃ O ₄) crystals from magnetotactic bacteria with energy-filtering transmission electron microscopy. <i>Microscopy Research and Technique</i> , 1999, 46, 319-324.	1.2	4
84	Membrane vesicles in magnetotactic bacteria. <i>Microbiological Research</i> , 2003, 158, 317-320.	2.5	4
85	Association of magnetotactic multicellular prokaryotes with <i>Pseudoalteromonas</i> species in a natural lagoon environment. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 2213-2223.	0.7	4
86	Blomineral Compartmentalization in Uncultured Magnetic Bacteria. <i>Microscopy and Microanalysis</i> , 2001, 7, 758-759.	0.2	0
87	Occurrence of south- and north-seeking multicellular magnetotactic prokaryotes in a coastal lagoon in the South Hemisphere. <i>International Microbiology</i> , 2021, , 1.	1.1	0