

Larry L Barton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8008510/publications.pdf>

Version: 2024-02-01

45
papers

1,824
citations

471061

17
h-index

395343

33
g-index

52
all docs

52
docs citations

52
times ranked

2229
citing authors

#	ARTICLE	IF	CITATIONS
1	Selenium respiration in anaerobic bacteria: Does energy generation pay off?. <i>Journal of Inorganic Biochemistry</i> , 2021, 222, 111509.	1.5	13
2	PbS biomineralization using cysteine: <i>Bacillus cereus</i> and the sulfur rush. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	14
3	Bismuth(III) interactions with <i>Desulfovibrio desulfuricans</i> : inhibition of cell energetics and nanocrystal formation of Bi ₂ S ₃ and BiO. <i>BioMetals</i> , 2019, 32, 803-811.	1.8	6
4	A new combination of substrates: biogas production and diversity of the methanogenic microorganisms. <i>Open Life Sciences</i> , 2018, 13, 119-128.	0.6	37
5	Sulfur Cycling and the Intestinal Microbiome. <i>Digestive Diseases and Sciences</i> , 2017, 62, 2241-2257.	1.1	98
6	Sulfate-reducing bacteria impairs working memory in mice. <i>Physiology and Behavior</i> , 2016, 157, 281-287.	1.0	25
7	Bismuth(III) deferiprone effectively inhibits growth of <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>BioMetals</i> , 2016, 29, 311-319.	1.8	4
8	Metabolism of Metals and Metalloids by the Sulfate-Reducing Bacteria. , 2015, , 57-83.		13
9	Hydrogen Sulfide: A Toxic Gas Produced by Dissimilatory Sulfate and Sulfur Reduction and Consumed by Microbial Oxidation. <i>Metal Ions in Life Sciences</i> , 2014, 14, 237-277.	2.8	63
10	Nanoparticles Formed by Microbial Metabolism of Metals and Minerals. , 2014, , 145-176.		2
11	Suitability of fluorescence measurements to quantify sulfate-reducing bacteria. <i>Journal of Microbiological Methods</i> , 2013, 93, 192-197.	0.7	3
12	Hemoproteins in Dissimilatory Sulfate- and Sulfur-Reducing Prokaryotes. <i>Advances in Microbial Physiology</i> , 2012, 60, 1-90.	1.0	19
13	A novel method for the measurement of elemental selenium produced by bacterial reduction of selenite. <i>Journal of Microbiological Methods</i> , 2011, 86, 140-144.	0.7	66
14	Influence of <i>Methylobacterium</i> on iron translocation in plants. <i>BioMetals</i> , 2011, 24, 575-580.	1.8	4
15	Constitution for International Biometals Society, Inc. <i>BioMetals</i> , 2011, 24, 771-773.	1.8	0
16	Reduction of molybdate by sulfate-reducing bacteria. <i>BioMetals</i> , 2009, 22, 131-139.	1.8	70
17	Chapter 2 Biochemistry, Physiology and Biotechnology of Sulfate-Reducing Bacteria. <i>Advances in Applied Microbiology</i> , 2009, 68, 41-98.	1.3	302
18	Dissimilatory nitrate and nitrite ammonification by sulphate-reducing eubacteria. , 2007, , 241-264.		15

#	ARTICLE	IF	CITATIONS
19	Enzymatic and genomic studies on the reduction of mercury and selected metallic oxyanions by sulphate-reducing bacteria. , 2007, , 435-458.		10
20	The bacterial metallome: composition and stability with specific reference to the anaerobic bacterium <i>Desulfovibrio desulfuricans</i> . <i>BioMetals</i> , 2007, 20, 291-302.	1.8	56
21	Enrichment of Uranium inside Wood: a Natural Analog from a Sandstone-hosted Roll-type Uranium Ore Deposit. <i>Materials Research Society Symposia Proceedings</i> , 2004, 824, 462.	0.1	0
22	Physiological responses of tomato roots grown in organ culture to iron-deficiency stress. <i>Soil Science and Plant Nutrition</i> , 2004, 50, 1177-1181.	0.8	3
23	Reduction of Metals and Nonessential Elements by Anaerobes. , 2003, , 220-234.		9
24	Ferric citrate reductase activity in <i>laccaria laccata</i> , an ectomycorrhizal fungus. <i>Journal of Plant Nutrition</i> , 2000, 23, 1699-1706.	0.9	1
25	Inhibition of ferric chelate reductase in alfalfa roots by cobalt, nickel, chromium, and copper. <i>Journal of Plant Nutrition</i> , 2000, 23, 1833-1845.	0.9	47
26	TEM Investigation of U ⁶⁺ and Re ⁷⁺ Reduction by <i>Desulfovibrio desulfuricans</i> , a Sulfate-Reducing Bacterium. <i>Materials Research Society Symposia Proceedings</i> , 1999, 608, 299.	0.1	10
27	Removal of U and Mo from water by immobilized <i>Desulfovibrio desulfuricans</i> in column reactors. , 1998, 60, 88-96.		43
28	Reduction and Immobilization of Molybdenum by <i>Desulfovibrio desulfuricans</i> . <i>Journal of Environmental Quality</i> , 1997, 26, 1146-1152.	1.0	64
29	Siderophore-mediated iron metabolism in growth and nitrogen fixation by alfalfa nodulated with <i>Rhizobium meliloti</i> . <i>Journal of Plant Nutrition</i> , 1996, 19, 1201-1210.	0.9	13
30	Transformation of selenate and selenite to elemental selenium by <i>Desulfovibrio desulfuricans</i> . <i>Journal of Industrial Microbiology</i> , 1995, 14, 329-336.	0.9	131
31	Environmental scanning electron microscope (ESEM) evaluation of crystal and plaque formation associated with biocorrosion. <i>Microscopy Research and Technique</i> , 1993, 25, 429-433.	1.2	15
32	Chemical transformation of toxic metals by a <i>Pseudomonas</i> strain from a toxic waste site. <i>Environmental Toxicology and Chemistry</i> , 1993, 12, 1365-1376.	2.2	96
33	Physiological characteristics of <i>Rhizobium meliloti</i> Tn5 mutants with altered rhizobactin activities. <i>Journal of Plant Nutrition</i> , 1992, 15, 2145-2156.	0.9	7
34	Reduction of selenate and selenite to elemental selenium by <i>Wolinella succinogenes</i> . <i>Canadian Journal of Microbiology</i> , 1992, 38, 1328-1333.	0.8	117
35	Microalgae as food and supplement. <i>Critical Reviews in Food Science and Nutrition</i> , 1991, 30, 555-573.	5.4	320
36	Ferrochelataase activity in <i>Azospirillum brasilense</i> with reference to the influence of metal cations. <i>Biology of Metals</i> , 1989, 2, 31-35.	1.1	3

#	ARTICLE	IF	CITATIONS
37	Dynamics of iron movement involving colloids, bacteria, and siderophores in an aqueous alkaline environment. <i>Journal of Plant Nutrition</i> , 1988, 11, 969-979.	0.9	0
38	Models of complexation which predict iron (II) availability. <i>Journal of Plant Nutrition</i> , 1988, 11, 1063-1074.	0.9	0
39	Differential cellular response of <i>Anabaena variabilis</i> to iron. <i>Journal of Plant Nutrition</i> , 1988, 11, 1193-1203.	0.9	2
40	Overview of the fourth international symposium on iron nutrition and interactions in plants. <i>Journal of Plant Nutrition</i> , 1988, 11, 1577-1579.	0.9	0
41	Iron metabolism by an ectomycorrhizal fungus, <i>Cenococcum graniforme</i> . <i>Journal of Plant Nutrition</i> , 1984, 7, 459-468.	0.9	14
42	A specific transport system for Fe^{2+} in bacteria. <i>Journal of Plant Nutrition</i> , 1982, 5, 405-411.	0.9	9
43	An assessment of growth yields and energy coupling in <i>Desulfovibrio</i> . <i>Archives of Microbiology</i> , 1978, 117, 21-26.	1.0	22
44	EFFECT OF CARBON SOURCES ON FORMATION OF α -AMYLASE AND GLUCOAMYLASE BY <i>CLOSTRIDIUM ACETOBUTYLICUM</i> . <i>Journal of General and Applied Microbiology</i> , 1975, 21, 51-59.	0.4	42
45	Sulphate-reducing bacteria and the human large intestine. , 0, , 503-522.		13