

Timothy R Mcdermott

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,458
citations

566801

15
h-index

713013

21
g-index

21
all docs

21
docs citations

21
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	Biotransformation of arsenic by a Yellowstone thermoacidophilic eukaryotic alga. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5213-5217.	3.3	267
2	Bacterial Populations Associated with the Oxidation and Reduction of Arsenic in an Unsaturated Soil. Environmental Science & Technology, 2004, 38, 104-111.	4.6	224
3	Microbial Populations Associated with the Reduction and Enhanced Mobilization of Arsenic in Mine Tailings. Environmental Science & Technology, 2001, 35, 3676-3682.	4.6	170
4	Complex Regulation of Arsenite Oxidation in <i>Agrobacterium tumefaciens</i> . Journal of Bacteriology, 2006, 188, 1081-1088.	1.0	151
5	The gut microbiome is required for full protection against acute arsenic toxicity in mouse models. Nature Communications, 2018, 9, 5424.	5.8	143
6	A periplasmic arsenite-binding protein involved in regulating arsenite oxidation. Environmental Microbiology, 2012, 14, 1624-1634.	1.8	79
7	Life and death with arsenic. BioEssays, 2011, 33, 350-357.	1.2	70
8	Global Analysis of Cellular Factors and Responses Involved in <i>Pseudomonas aeruginosa</i> Resistance to Arsenite. Journal of Bacteriology, 2005, 187, 4853-4864.	1.0	67
9	Fate of arsenate following arsenite oxidation in <i>Agrobacterium tumefaciens</i> GW4. Environmental Microbiology, 2015, 17, 1926-1940.	1.8	48
10	Integrated co-regulation of bacterial arsenic and phosphorus metabolisms. Environmental Microbiology, 2012, 14, 3097-3109.	1.8	41
11	Arsenic and the gastrointestinal tract microbiome. Environmental Microbiology Reports, 2020, 12, 136-159.	1.0	41
12	Involvement of RpoN in Regulating Bacterial Arsenite Oxidation. Applied and Environmental Microbiology, 2012, 78, 5638-5645.	1.4	31
13	Introducing the ArsR-Regulated Arsenic Stimulon. Frontiers in Microbiology, 2021, 12, 630562.	1.5	28
14	Regulatory Activities of Four ArsR Proteins in <i>Agrobacterium tumefaciens</i> 5A. Applied and Environmental Microbiology, 2016, 82, 3471-3480.	1.4	25
15	Involvement of the Acr3 and DctA antiporters in arsenite oxidation in <i>Agrobacterium tumefaciens</i> 5A. Environmental Microbiology, 2015, 17, 1950-1962.	1.8	21
16	Metabolic response of <i>Agrobacterium tumefaciens</i> 5A to arsenite. Environmental Microbiology, 2017, 19, 710-721.	1.8	15
17	Phosphate starvation response controls genes required to synthesize the phosphate analog arsenate. Environmental Microbiology, 2018, 20, 1782-1793.	1.8	15
18	Transcriptomics analysis defines global cellular response of <i>Agrobacterium tumefaciens</i> 5A to arsenite exposure regulated through the histidine kinases PhoR and AioS. Environmental Microbiology, 2019, 21, 2659-2676.	1.8	11

#	ARTICLE	IF	CITATIONS
19	A Single Microbiome Gene Alters Murine Susceptibility to Acute Arsenic Exposure. <i>Toxicological Sciences</i> , 2021, 181, 105-114.	1.4	5
20	Arsenate-Induced Changes in Bacterial Metabolite and Lipid Pools during Phosphate Stress. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	5
21	Metabolic Responses to Arsenite Exposure Regulated through Histidine Kinases PhoR and AioS in <i>Agrobacterium tumefaciens</i> 5A. <i>Microorganisms</i> , 2020, 8, 1339.	1.6	1