

Cresten B Mansfeldt

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

530
citations

623188

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21
all docs

21
docs citations

21
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Biotransformation of Sulfonamide Antibiotics in Activated Sludge: The Formation of Pterin-Conjugates Leads to Sustained Risk. <i>Environmental Science & Technology</i> , 2018, 52, 6265-6274.	4.6	101
2	Microbial community shifts in streams receiving treated wastewater effluent. <i>Science of the Total Environment</i> , 2020, 709, 135727.	3.9	52
3	Relating Chloroethene Respiration Rates in <i>Dehalococcoides</i> to Protein and mRNA Biomarkers. <i>Environmental Science & Technology</i> , 2012, 46, 9388-9397.	4.6	41
4	High-resolution within-sewer SARS-CoV-2 surveillance facilitates informed intervention. <i>Water Research</i> , 2021, 204, 117613.	5.3	38
5	Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1545-1551.	1.2	34
6	Meta-Analyses of <i>Dehalococcoides mccartyi</i> Strain 195 Transcriptomic Profiles Identify a Respiration Rate-Related Gene Expression Transition Point and Interoperon Recruitment of a Key Oxidoreductase Subunit. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6062-6072.	1.4	32
7	Passive sampling to scale wastewater surveillance of infectious disease: Lessons learned from COVID-19. <i>Science of the Total Environment</i> , 2022, 835, 155347.	3.9	31
8	Relating Metatranscriptomic Profiles to the Micropollutant Biotransformation Potential of Complex Microbial Communities. <i>Environmental Science & Technology</i> , 2020, 54, 235-244.	4.6	29
9	Biomarkers™ Responses to Reductive Dechlorination Rates and Oxygen Stress in Bioaugmentation Culture KB-1TM. <i>Microorganisms</i> , 2018, 6, 13.	1.6	26
10	Microbial residence time is a controlling parameter of the taxonomic composition and functional profile of microbial communities. <i>ISME Journal</i> , 2019, 13, 1589-1601.	4.4	24
11	Trends in Micropollutant Biotransformation along a Solids Retention Time Gradient. <i>Environmental Science & Technology</i> , 2018, 52, 11601-11611.	4.6	22
12	Molecular Biomarker-Based Biokinetic Modeling of a PCE-Dechlorinating and Methanogenic Mixed Culture. <i>Environmental Science & Technology</i> , 2013, 47, 3724-3733.	4.6	19
13	Altered Microbiome Leads to Significant Phenotypic and Transcriptomic Differences in a Lipid Accumulating Chlorophyte. <i>Environmental Science & Technology</i> , 2018, 52, 6854-6863.	4.6	18
14	Relating mRNA and protein biomarker levels in a <i>Dehalococcoides</i> and <i>Methanospirillum</i> -containing community. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2313-2327.	1.7	16
15	Use of De Novo Transcriptome Libraries to Characterize a Novel Oleaginous Marine <i>Chlorella</i> Species during the Accumulation of Triacylglycerols. <i>PLoS ONE</i> , 2016, 11, e0147527.	1.1	16
16	Detection of Organohalide-Respiring Enzyme Biomarkers at a Bioaugmented TCE-Contaminated Field Site. <i>Frontiers in Microbiology</i> , 2019, 10, 1433.	1.5	10
17	<i>Methanospirillum</i> Respiratory mRNA Biomarkers Correlate with Hydrogenotrophic Methanogenesis Rate during Growth and Competition for Hydrogen in an Organochlorine-Respiring Mixed Culture. <i>Environmental Science & Technology</i> , 2013, 47, 372-381.	4.6	8
18	Inferring Gene Networks for Strains of <i>Dehalococcoides</i> Highlights Conserved Relationships between Genes Encoding Core Catabolic and Cell-Wall Structural Proteins. <i>PLoS ONE</i> , 2016, 11, e0166234.	1.1	4

#	ARTICLE	IF	CITATIONS
19	SPINE: SParse elgengene NETwork Linking Gene Expression Clusters in Dehalococcoides mccartyi to Perturbations in Experimental Conditions. PLoS ONE, 2015, 10, e0118404.	1.1	3