Matthew J Lee

List of Publications by Year
in descending order

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39 papers	1,301 citations	489802 18 h-index	406436 35 g-index
42 all docs	42 docs citations	42 times ranked	1696 citing authors

#	Article	IF	Citations
1	Aerobic biotransformation of 6:2 fluorotelomer sulfonate by Dietzia aurantiaca J3 under sulfur-limiting conditions. Science of the Total Environment, 2022, 829, 154587.	3.9	15
2	Dehalobium species implicated in 2,3,7,8-tetrachlorodibenzo-p-dioxin dechlorination in the contaminated sediments of Sydney Harbour Estuary. Marine Pollution Bulletin, 2022, 179, 113690.	2.3	4
3	Efficient Reductive Defluorination of Branched PFOS by Metalâ€“Porphyrin Complexes. Environmental Science & Technology, 2022, 56, 7830-7839.	4.6	6
4	Removal of per- and polyfluoroalkyl substances (PFAS) from water by ceric(iv) ammonium nitrate. RSC Advances, 2021, 11, 17642-17645.	1.7	2
5	Novel dichloromethane-fermenting bacteria in the Peptococcaceae family. ISME Journal, 2021, 15, 1709-1721.	4.4	17
6	Developing a roadmap to determine per- and polyfluoroalkyl substances-microbial population interactions. Science of the Total Environment, 2020, 712, 135994.	3.9	23
7	Method Development for DNA and Proteome SIP Analysis of Activated Sludge for Anaerobic Dichloromethane Biodegradation. Methods in Molecular Biology, 2019, 2046, 207-219.	0.4	1
8	The effect of oxidative treatment on soluble compounds from Australian coal. Fuel, 2019, 257, 116071.	3.4	8
9	Reductive metabolism of the important atmospheric gas isoprene by homoacetogens. ISME Journal, 2019, 13, 1168-1182.	4.4	18
10	Isolation, characterization and bioaugmentation of an acidotolerant 1,2-dichloroethane respiring Desulfitobacterium species from a low pH aquifer. FEMS Microbiology Ecology, 2019, 95, .	1.3	10
11	Reductive Dehalogenation of Trichloromethane by Two Different Dehalobacter restrictus Strains Reveal Opposing Dual Element Isotope Effects. Environmental Science & Technology, 2019, 53, 2332-2343.	4.6	25
12	Long-term succession in a coal seam microbiome during in situ biostimulation of coalbed-methane generation. ISME Journal, 2019, 13, 632-650.	4.4	57
13	Whole genome sequencing of a novel, dichloromethane-fermentingPeptococcaceaefrom an enrichment culture. PeerJ, 2019, 7, e7775.	0.9	14
14	Heterologous Production and Purification of a Functional Chloroform Reductive Dehalogenase. ACS Chemical Biology, 2018, 13, 548-552.	1.6	12
15	Syntrophic Partners Enhance Growth and Respiratory Dehalogenation of Hexachlorobenzene by Dehalococcoides mccartyi Strain CBDB1. Frontiers in Microbiology, 2018, 9, 1927.	1.5	17
16	Genome Sequence of Dehalobacter sp. Strain TeCB1, Able To Respire Chlorinated Benzenes. Genome Announcements, 2017, 5, .	0.8	4
17	The Nature and Relevance of Solvent Stress in Microbes and Mechanisms of Tolerance. , 2017, , 201-213.		3
18	A bacterial chloroform reductive dehalogenase: purification and biochemical characterization. Microbial Biotechnology, 2017, 10, 1640-1648.	2.0	17

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19	Co-occurrence of genes for aerobic and anaerobic biodegradation of dichloroethane in organochlorine-contaminated groundwater. FEMS Microbiology Ecology, 2017, 93, .	1.3	12
20	Isolation and Characterization of Dehalobacter sp. Strain TeCB1 Including Identification of TcbA: A Novel Tetra- and Trichlorobenzene Reductive Dehalogenase. Frontiers in Microbiology, 2017, 8, 558.	1.5	22
21	N-Acetylglucosamine Inhibits LuxR, LasR and CviR Based Quorum Sensing Regulated Gene Expression Levels. Frontiers in Microbiology, 2016, 7, 1313.	1.5	15
22	Organohalide Respiring Bacteria and Reductive Dehalogenases: Key Tools in Organohalide Bioremediation. Frontiers in Microbiology, 2016, 7, 249.	1.5	132
23	Isolation and characterization of Dehalobacter sp. strain UNSWDHB capable of chloroform and chlorinated ethane respiration. Environmental Microbiology, 2016, 18, 3092-3105.	1.8	48
24	Concentration effects on biotic and abiotic processes in the removal of 1,1,2-trichloroethane and vinyl chloride using carbon-amended ZVI. Journal of Contaminant Hydrology, 2016, 188, 1-11.	1.6	23
25	Genomic, transcriptomic and proteomic analyses of Dehalobacter UNSWDHB in response to chloroform. Environmental Microbiology Reports, 2016, 8, 814-824.	1.0	35
26	Novel phenazine crystals enable direct electron transfer to methanogens in anaerobic digestion by redox potential modulation. Energy and Environmental Science, 2016, 9, 644-655.	15.6	69
27	Particles and enzymes: Combining nanoscale zero valent iron and organochlorine respiring bacteria for the detoxification of chloroethane mixtures. Journal of Hazardous Materials, 2016, 308, 106-112.	6.5	48
28	Aliphatic organochlorine degradation in subsurface environments. Reviews in Environmental Science and Biotechnology, 2015, 14, 49-71.	3.9	26
29	Relative Contributions of Dehalobacter and Zerovalent Iron in the Degradation of Chlorinated Methanes. Environmental Science & Technology, 2015, 49, 4481-4489.	4.6	36
30	Anaerobic microorganisms and bioremediation of organohalide pollution. Microbiology Australia, 2015, 36, 125.	0.1	5
31	Reductive Dehalogenases Come of Age in Biological Destruction of Organohalides. Trends in Biotechnology, 2015, 33, 595-610.	4.9	91
32	Genome Sequence of Dehalobacter UNSWDHB, a Chloroform-Dechlorinating Bacterium. Genome Announcements, 2013, 1, .	0.8	20
33	Successful microcosm demonstration of a strategy for biodegradation of a mixture of carbon tetrachloride and perchloroethene harnessing sulfate reducing and dehalorespiring bacteria. Journal of Hazardous Materials, 2012, 219-220, 169-175.	6.5	15
34	Complete chloroform dechlorination by organochlorine respiration and fermentation. Environmental Microbiology, 2012, 14, 883-894.	1.8	94
35	Reactive iron barriers: a niche enabling microbial dehalorespiration of 1,2-dichloroethane. Applied Microbiology and Biotechnology, 2010, 88, 319-325.	1.7	19
36	Development of a treatment solution for reductive dechlorination of hexachloro-1,3-butadiene in vadose zone soil. Biodegradation, 2010, 21, 947-956.	1.5	11

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37	A process for the purification of organochlorine contaminated activated carbon: Sequential solvent purging and reductive dechlorination. Water Research, 2010, 44, 1580-1590.	5.3	7
38	Electron shuttles in biotechnology. Current Opinion in Biotechnology, 2009, 20, 633-641.	3.3	263
39	Synthesis, transport and accumulation of quinolizidine alkaloids in Lupinus albus L. and L. angustifolius L.. Journal of Experimental Botany, 2007, 58, 935-946.	2.4	56