List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Detoxification of vinyl chloride to ethene coupled to growth of an anaerobic bacterium. Nature, 2003, 424, 62-65.	13.7	461
2	Complete Detoxification of Vinyl Chloride by an Anaerobic Enrichment Culture and Identification of the Reductively Dechlorinating Population as a Dehalococcoides Species. Applied and Environmental Microbiology, 2003, 69, 996-1003.	1.4	324
3	Microbial Reductive Debromination of Polybrominated Diphenyl Ethers (PBDEs). Environmental Science & Technology, 2006, 40, 4429-4434.	4.6	308
4	Isolation and characterization of Dehalococcoides sp. strain FL2, a trichloroethene (TCE)- and 1,2-dichloroethene-respiring anaerobe. Environmental Microbiology, 2005, 7, 1442-1450.	1.8	237
5	Acetate versus Hydrogen as Direct Electron Donors To Stimulate the Microbial Reductive Dechlorination Process at Chloroethene-Contaminated Sitesâ€. Environmental Science & Technology, 2002, 36, 3945-3952.	4.6	190
6	Influence of Vitamin B12 and Cocultures on the Growth of Dehalococcoides Isolates in Defined Medium. Applied and Environmental Microbiology, 2007, 73, 2847-2853.	1.4	182
7	Genomic characterization of three unique <i>Dehalococcoides</i> that respire on persistent polychlorinated biphenyls. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12103-12108.	3.3	168
8	Complete nitrogen removal via simultaneous nitrification and denitrification by a novel phosphate accumulating Thauera sp. strain SND5. Water Research, 2020, 185, 116300.	5.3	150
9	Reductive Debromination of Polybrominated Diphenyl Ethers by Anaerobic Bacteria from Soils and Sediments. Applied and Environmental Microbiology, 2010, 76, 794-802.	1.4	123
10	Isolation and Characterization of " <i>Dehalococcoides</i> ―sp. Strain MB, Which Dechlorinates Tetrachloroethene to <i>trans</i> -1,2-Dichloroethene. Applied and Environmental Microbiology, 2009, 75, 5910-5918.	1.4	116
11	Identification and transcriptional analysis of <i>trans</i> -DCE-producing reductive dehalogenases in <i>Dehalococcoides</i> species. ISME Journal, 2010, 4, 1020-1030.	4.4	76
12	Microbial synergistic interactions for reductive dechlorination of polychlorinated biphenyls. Science of the Total Environment, 2019, 666, 368-376.	3.9	66
13	A <scp><i>D</i></scp> <i>esulfitobacterium</i> sp. strain <scp>PR</scp> reductively dechlorinates both 1,1,1â€trichloroethane and chloroform. Environmental Microbiology, 2014, 16, 3387-3397.	1.8	58
14	Simultaneous Fermentation of Glucose and Xylose to Butanol by Clostridium sp. Strain BOH3. Applied and Environmental Microbiology, 2014, 80, 4771-4778.	1.4	58
15	Reducing cofactors contribute to the increase of butanol production by a wild-type Clostridium sp. strain BOH3. Bioresource Technology, 2014, 155, 220-228.	4.8	55
16	Insights into the Occurrence, Fate, and Impacts of Halogenated Flame Retardants in Municipal Wastewater Treatment Plants. Environmental Science & Technology, 2021, 55, 4205-4226.	4.6	55
17	Comparative genomics of two newly isolated <i>Dehalococcoides</i> strains and an enrichment using a genus microarray. ISME Journal, 2011, 5, 1014-1024.	4.4	54
18	Isolation of Acetobacterium sp. Strain AG, Which Reductively Debrominates Octa- and Pentabrominated Diphenyl Ether Technical Mixtures. Applied and Environmental Microbiology, 2013, 79, 1110-1117.	1.4	51

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19	Fixed nitrogen removal mechanisms associated with sulfur cycling in tropical wetlands. Water Research, 2021, 189, 116619.	5.3	50
20	ldentification of antibiotic resistant bacteria community and a GeoChip based study of resistome in urban watersheds. Water Research, 2016, 106, 330-338.	5.3	44
21	Dechlorination of Commercial PCBs and Other Multiple Halogenated Compounds by a Sediment-Free Culture ContainingDehalococcoidesandDehalobacter. Environmental Science & Technology, 2013, 47, 130904143020001.	4.6	42
22	Isolation of two new <i><scp>D</scp>ehalococcoides mccartyi</i> strains with dissimilar dechlorination functions and their characterization by comparative genomics via microarray analysis. Environmental Microbiology, 2013, 15, 2293-2305.	1.8	41
23	Unique genetic cassettes in a <i>Thermoanaerobacterium</i> contribute to simultaneous conversion of cellulose and monosugars into butanol. Science Advances, 2018, 4, e1701475.	4.7	41
24	Potential Role of Methanogens in Microbial Reductive Dechlorination of Organic Chlorinated Pollutants <i>In Situ</i> . Environmental Science & Technology, 2021, 55, 5917-5928.	4.6	41
25	Strategy for the Rapid Dechlorination of Polychlorinated Biphenyls (PCBs) by <i>Dehalococcoides mccartyi</i> Strains. Environmental Science & amp; Technology, 2018, 52, 13854-13862.	4.6	39
26	Environmental occurrence and remediation of emerging organohalides: A review. Environmental Pollution, 2021, 290, 118060.	3.7	39
27	Strategies for production of butanol and butyl-butyrate through lipase-catalyzed esterification. Bioresource Technology, 2016, 202, 214-219.	4.8	37
28	Reductive Debromination of Polybrominated Diphenyl Ethers - Microbes, Processes and Dehalogenases. Frontiers in Microbiology, 2018, 9, 1292.	1.5	37
29	Characterization and genome analysis of a butanol–isopropanol-producing Clostridium beijerinckii strain BGS1. Biotechnology for Biofuels, 2018, 11, 280.	6.2	33
30	Genomic Characterization of <i>Dehalococcoides mccartyi</i> Strain JNA That Reductively Dechlorinates Tetrachloroethene and Polychlorinated Biphenyls. Environmental Science & Technology, 2015, 49, 14319-14325.	4.6	32
31	Acceleration of polychlorinated biphenyls remediation in soil via sewage sludge amendment. Journal of Hazardous Materials, 2021, 420, 126630.	6.5	32
32	Abundance of organohalide respiring bacteria and their role in dehalogenating antimicrobials in wastewater treatment plants. Water Research, 2020, 181, 115893.	5.3	31
33	Oligopeptides functionalized surface plasmon resonance biosensors for detecting thiacloprid and imidacloprid. Biosensors and Bioelectronics, 2012, 35, 271-276.	5.3	30
34	Degradation of ofloxacin by a manganese-oxidizing bacterium Pseudomonas sp. F2 and its biogenic manganese oxides. Bioresource Technology, 2021, 328, 124826.	4.8	30
35	Offshore Marine Sediment Microbiota Respire Structurally Distinct Organohalide Pollutants. Environmental Science & Technology, 2022, 56, 3065-3075.	4.6	30
36	Enhanced direct fermentation of cassava to butanol by Clostridium species strain BOH3 in cofactor-mediated medium. Biotechnology for Biofuels, 2015, 8, 166.	6.2	29

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37	Loss of the <i>ssrA</i> genome island led to partial debromination in the PBDE respiring <i>Dehalococcoides mccartyi</i> strain GY50. Environmental Microbiology, 2017, 19, 2906-2915.	1.8	27
38	Efficient and Complete Detoxification of Polybrominated Diphenyl Ethers in Sediments Achieved by Bioaugmentation with <i>Dehalococcoides</i> and Microbial Ecological Insights. Environmental Science & Technology, 2022, 56, 8008-8019.	4.6	27
39	Analysis of enhanced nitrogen removal mechanisms in a validation wastewater treatment plant containing anammox bacteria. Applied Microbiology and Biotechnology, 2019, 103, 1255-1265.	1.7	25
40	Dehalogenation of Polybrominated Diphenyl Ethers and Polychlorinated Biphenyls Catalyzed by a Reductive Dehalogenase in <i>Dehalococcoides mccartyi</i> Strain MB. Environmental Science & Technology, 2022, 56, 4039-4049.	4.6	24
41	A Highly Efficient NADH-dependent Butanol Dehydrogenase from High-butanol-producing Clostridium sp. BOH3. Bioenergy Research, 2013, 6, 240-251.	2.2	23
42	<i>Dehalococcoides mccartyi</i> Strain GEO12 Has a Natural Tolerance to Chloroform Inhibition. Environmental Science & Technology, 2020, 54, 8750-8759.	4.6	23
43	Production, Purification, and Characterization of a Xylooligosaccharides-forming Xylanase from High-butanol-producing Strain Clostridium sp. BOH3. Bioenergy Research, 2013, 6, 448-457.	2.2	21
44	Anaerobic biodegradation of phenanthrene by a newly isolated nitrateâ€dependent <i>Achromobacter denitrificans</i> strain <scp>PheN1</scp> and exploration of the biotransformation processes by metabolite and genome analyses. Environmental Microbiology, 2021, 23, 908-923.	1.8	21
45	Identification of Reductive Dehalogenases That Mediate Complete Debromination of Penta- and Tetrabrominated Diphenyl Ethers in <i>Dehalococcoides</i> spp Applied and Environmental Microbiology, 2021, 87, e0060221.	1.4	19
46	Debromination of TetraBromoBisphenol-A (TBBPA) depicting the metabolic versatility of Dehalococcoides. Journal of Hazardous Materials, 2021, 419, 126408.	6.5	19
47	Detoxification of 1,1,2-Trichloroethane to Ethene by Desulfitobacterium and Identification of Its Functional Reductase Gene. PLoS ONE, 2015, 10, e0119507.	1.1	19
48	A comparative genomics and reductive dehalogenase gene transcription study of two chloroethene-respiring bacteria, Dehalococcoides mccartyi strains MB and 11a. Scientific Reports, 2015, 5, 15204.	1.6	18
49	Simultaneous saccharification and fermentation of hemicellulose to butanol by a non-sporulating Clostridium species. Bioresource Technology, 2016, 219, 430-438.	4.8	18
50	Genomic characterization of <i>Dehalococcoides mccartyi</i> strain 11a5 reveals a circular extrachromosomal genetic element and a new tetrachloroethene reductive dehalogenase gene. FEMS Microbiology Ecology, 2017, 93, fiw235.	1.3	18
51	Direct conversion of xylan to butanol by a wildâ€ŧype <i>Clostridium</i> species strain G117. Biotechnology and Bioengineering, 2016, 113, 1702-1710.	1.7	18
52	Anaerobic phenanthrene biodegradation with four kinds of electron acceptors enriched from the same mixed inoculum and exploration of metabolic pathways. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	3.3	18
53	Partnering of anammox and denitrifying bacteria benefits anammox's recovery from starvation and complete nitrogen removal. Science of the Total Environment, 2022, 815, 152696.	3.9	18
54	Production of 2,3-Butanediol from Sucrose by a Klebsiella Species. Bioenergy Research, 2016, 9, 15-22.	2.2	17

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55	Production of isopropyl and butyl esters by Clostridium mono-culture and co-culture. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 543-550.	1.4	15
56	Aerobic acetone-butanol-isopropanol (ABI) fermentation through a co-culture of Clostridium beijerinckii G117 and recombinant Bacillus subtilis 1A1. Metabolic Engineering Communications, 2020, 11, e00137.	1.9	14
57	16S rRNA gene-based primer pair showed high specificity and quantification accuracy in detecting freshwater Brocadiales anammox bacteria. FEMS Microbiology Ecology, 2020, 96, .	1.3	14
58	Exploration of the biotransformation of phenanthrene degradation coupled with methanogensis by metabolites and enzyme analyses. Environmental Pollution, 2022, 293, 118491.	3.7	14
59	Microbial reductive dehalogenation of trihalomethanes by a Dehalobacter-containing co-culture. Applied Microbiology and Biotechnology, 2017, 101, 5481-5492.	1.7	12
60	Reductive Dechlorination of High Concentrations of Chloroethenes by a Dehalococcoides mccartyi Strain 11 G. FEMS Microbiology Ecology, 2018, 95, .	1.3	11
61	Growth of Dehalococcoides mccartyi species in an autotrophic consortium producing limited acetate. Biodegradation, 2018, 29, 487-498.	1.5	11
62	Diversity of organohalide respiring bacteria and reductive dehalogenases that detoxify polybrominated diphenyl ethers in E-waste recycling sites. ISME Journal, 2022, 16, 2123-2131.	4.4	11
63	Production, Purification, and Characterization of α-Amylase from Solventogenic Clostridium sp. BOH3. Bioenergy Research, 2014, 7, 132-141.	2.2	10
64	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
65	Draft Genome Sequence of Polychlorinated Biphenyl-Dechlorinating Dehalococcoides mccartyi Strain SG1, Which Carries a Circular Putative Plasmid. Genome Announcements, 2014, 2, .	0.8	6
66	Clostridium species strain BOH3 tolerates and transforms inhibitors from horticulture waste hydrolysates. Applied Microbiology and Biotechnology, 2017, 101, 6289-6297.	1.7	6
67	Editorial: Organohalide Respiration: New Findings in Metabolic Mechanisms and Bioremediation Applications. Frontiers in Microbiology, 2019, 10, 526.	1.5	5
68	Newly designed high-coverage degenerate primers for nitrogen removal mechanism analysis in a partial nitrification-anammox (PN/A) process. FEMS Microbiology Ecology, 2020, 96, .	1.3	5
69	Quantitative proteome profiles help reveal efficient xylose utilization mechanisms in solventogenic <i>Clostridium</i> sp. strain BOH3. Biotechnology and Bioengineering, 2017, 114, 1959-1969.	1.7	5
70	DNA microarrays on ultraviolet-modified surfaces for speciation of bacteria. Analytical Biochemistry, 2014, 447, 156-161.	1.1	3
71	Differentiating Closely Affiliated <i>Dehalococcoides</i> Lineages by a Novel Genetic Marker Identified via Computational Pangenome Analysis. Applied and Environmental Microbiology, 2022, 88, AEM0218121.	1.4	3
72	Microbial Debromination of Polybrominated Diphenyl Ethers by Dehalococcoides-Containing Enrichment Culture. Frontiers in Microbiology, 2021, 12, 806795.	1.5	1