

Daiyong Deng

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

440
citations

840119

11
h-index

940134

16
g-index

16
all docs

16
docs citations

16
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerobic debromination of deca-BDE: Isolation and characterization of an indigenous isolate from a PBDE contaminated sediment. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 465-469.	1.9	61
2	A Novel Propane Monooxygenase Initiating Degradation of 1,4-Dioxane by <i>Mycobacterium dioxanotrophicus</i> PH-06. <i>Environmental Science and Technology Letters</i> , 2018, 5, 86-91.	3.9	53
3	Effects of electron donors on anaerobic microbial debromination of polybrominated diphenyl ethers (PBDEs). <i>Biodegradation</i> , 2012, 23, 351-361.	1.5	48
4	Bar-Coded Pyrosequencing Reveals the Responses of PBDE-Degrading Microbial Communities to Electron Donor Amendments. <i>PLoS ONE</i> , 2012, 7, e30439.	1.1	43
5	Uptake, translocation and metabolism of decabromodiphenyl ether (BDE-209) in seven aquatic plants. <i>Chemosphere</i> , 2016, 152, 360-368.	4.2	40
6	Membrane-Disrupting Nanofibrous Peptide Hydrogels. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4657-4670.	2.6	38
7	Synchronic Biotransformation of 1,4-Dioxane and 1,1-Dichloroethylene by a Gram-Negative Propanotroph <i>Azoarcus</i> sp. DD4. <i>Environmental Science and Technology Letters</i> , 2018, 5, 526-532.	3.9	37
8	Distinct Catalytic Behaviors between Two 1,4-Dioxane-Degrading Monooxygenases: Kinetics, Inhibition, and Substrate Range. <i>Environmental Science & Technology</i> , 2020, 54, 1898-1908.	4.6	29
9	Discovery of an Inducible Toluene Monooxygenase That Cooxidizes 1,4-Dioxane and 1,1-Dichloroethylene in Propanotrophic <i>Azoarcus</i> sp. Strain DD4. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	26
10	Sequential anaerobic and aerobic bioaugmentation for commingled groundwater contamination of trichloroethene and 1,4-dioxane. <i>Science of the Total Environment</i> , 2021, 774, 145118.	3.9	25
11	Differentiating enteric <i>Escherichia coli</i> from environmental bacteria through the putative glucosyltransferase gene (<i>ycjM</i>). <i>Water Research</i> , 2014, 61, 224-231.	5.3	14
12	Characterization of two components of the 2-naphthoate monooxygenase system from <i>Burkholderia</i> sp. strain JT1500. <i>FEMS Microbiology Letters</i> , 2007, 273, 22-27.	0.7	8
13	Complete Genome Sequence of <i>Azoarcus</i> sp. Strain DD4, a Gram-Negative Propanotroph That Degrades 1,4-Dioxane and 1,1-Dichloroethylene. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	7
14	Polymorphism of the glucosyltransferase gene (<i>ycjM</i>) in <i>Escherichia coli</i> and its use for tracking human fecal pollution in water. <i>Science of the Total Environment</i> , 2015, 537, 260-267.	3.9	6
15	Potential application of an <i>Aspergillus</i> strain in a pilot biofilter for benzene biodegradation. <i>Scientific Reports</i> , 2017, 7, 46059.	1.6	3
16	Construction and characterization of a bacterial artificial chromosome library of maize inbred line 77Ht2. <i>Plant Molecular Biology Reporter</i> , 2003, 21, 159-169.	1.0	2