Mengyan Li

List of Publications by Year
in descending order

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		257429	345203
37	1,613	24	36
papers	citations	h-index	g-index

37	37	37	1816
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Immobilization of lead and cadmium from aqueous solution and contaminated sediment using nano-hydroxyapatite. Environmental Pollution, 2010, 158, 514-519.	7.5	207
2	Enhancement of Cd(II) adsorption by polyacrylic acid modified magnetic mesoporous carbon. Chemical Engineering Journal, 2015, 259, 153-160.	12.7	182
3	Pyrosequencing reveals higher impact of silver nanoparticles than Ag+ on the microbial community structure of activated sludge. Water Research, 2014, 48, 317-325.	11.3	155
4	Isolation of Polyvalent Bacteriophages by Sequential Multiple-Host Approaches. Applied and Environmental Microbiology, 2016, 82, 808-815.	3.1	99
5	1,4-Dioxane biodegradation at low temperatures in Arctic groundwater samples. Water Research, 2010, 44, 2894-2900.	11.3	69
6	A Novel Propane Monooxygenase Initiating Degradation of 1,4-Dioxane by Mycobacterium dioxanotrophicus PH-06. Environmental Science and Technology Letters, 2018, 5, 86-91.	8.7	53
7	Microplastics as hubs enriching antibiotic-resistant bacteria and pathogens in municipal activated sludge. Journal of Hazardous Materials Letters, 2021, 2, 100014.	3.6	53
8	Widespread Distribution of Soluble Di-Iron Monooxygenase (SDIMO) Genes in Arctic Groundwater Impacted by 1,4-Dioxane. Environmental Science & Technology, 2013, 47, 9950-9958.	10.0	51
9	The Abundance of Tetrahydrofuran/Dioxane Monooxygenase Genes (thmA/dxmA) and 1,4-Dioxane Degradation Activity Are Significantly Correlated at Various Impacted Aquifers. Environmental Science and Technology Letters, 2014, 1, 122-127.	8.7	49
10	An Environmental Science and Engineering Framework for Combating Antimicrobial Resistance. Environmental Engineering Science, 2018, 35, 1005-1011.	1.6	47
11	Serratia spp. Are Responsible for Nitrogen Fixation Fueled by As(III) Oxidation, a Novel Biogeochemical Process Identified in Mine Tailings. Environmental Science & Technology, 2022, 56, 2033-2043.	10.0	46
12	1,4â€Dioxaneâ€degrading consortia can be enriched from uncontaminated soils: prevalence of Mycobacterium and soluble diâ€iron monooxygenase genes. Microbial Biotechnology, 2018, 11, 189-198.	4.2	43
13	Rapid Analysis of 1,4â€Dioxane in Groundwater by Frozen Microâ€Extraction with Gas Chromatography/Mass Spectrometry. Ground Water Monitoring and Remediation, 2011, 31, 70-76.	0.8	38
14	Membrane-Disrupting Nanofibrous Peptide Hydrogels. ACS Biomaterials Science and Engineering, 2019, 5, 4657-4670.	5.2	38
15	Hindrance of 1,4-dioxane biodegradation in microcosms biostimulated with inducing or non-inducing auxiliary substrates. Water Research, 2017, 112, 217-225.	11.3	37
16	Synchronic Biotransformation of 1,4-Dioxane and 1,1-Dichloroethylene by a Gram-Negative Propanotroph Azoarcus sp. DD4. Environmental Science and Technology Letters, 2018, 5, 526-532.	8.7	37
17	Differential sensitivity of nitrifying bacteria to silver nanoparticles in activated sludge. Environmental Toxicology and Chemistry, 2014, 33, 2234-2239.	4.3	35
18	Efficient adsorptive removal of short-chain perfluoroalkyl acids using reed straw-derived biochar (RESCA). Science of the Total Environment, 2021, 798, 149191.	8.0	33

#	Article	IF	Citations
19	Bench-scale biodegradation tests to assess natural attenuation potential of 1,4-dioxane at three sites in California. Biodegradation, 2015, 26, 39-50.	3.0	30
20	Reductive Transformation of p-chloronitrobenzene in the upflow anaerobic sludge blanket reactor coupled with microbial electrolysis cell: performance and microbial community. Bioresource Technology, 2016, 218, 1037-1045.	9.6	29
21	Distinct Catalytic Behaviors between Two 1,4-Dioxane-Degrading Monooxygenases: Kinetics, Inhibition, and Substrate Range. Environmental Science & Technology, 2020, 54, 1898-1908.	10.0	29
22	Effective removal of odor substances using intimately coupled photocatalysis and biodegradation system prepared with the silane coupling agent (SCA)-enhanced TiO2 coating method. Water Research, 2021, 188, 116569.	11.3	29
23	Comprehensive insights into core microbial assemblages in activated sludge exposed to textile-dyeing wastewater stress. Science of the Total Environment, 2021, 791, 148145.	8.0	29
24	Discovery of an Inducible Toluene Monooxygenase That Cooxidizes 1,4-Dioxane and 1,1-Dichloroethylene in Propanotrophic Azoarcus sp. Strain DD4. Applied and Environmental Microbiology, 2020, 86, .	3.1	26
25	Sequential anaerobic and aerobic bioaugmentation for commingled groundwater contamination of trichloroethene and 1,4-dioxane. Science of the Total Environment, 2021, 774, 145118.	8.0	25
26	Microbial community analysis in biologically active filters exhibiting efficient removal of emerging contaminants and impact of operational conditions. Science of the Total Environment, 2018, 640-641, 1455-1464.	8.0	23
27	Whole-Genome Sequence of the 1,4-Dioxane-Degrading Bacterium Mycobacterium dioxanotrophicus PH-06. Genome Announcements, 2017, 5, .	0.8	19
28	Detection and cell sorting of Pseudonocardia species by fluorescence in situ hybridization and flow cytometry using 16S rRNA-targeted oligonucleotide probes. Applied Microbiology and Biotechnology, 2018, 102, 3375-3386.	3.6	19
29	Oxygen exposure effects on the dechlorinating activities of a trichloroethene-dechlorination microbial consortium. Bioresource Technology, 2017, 240, 98-105.	9.6	17
30	Cometabolic degradation of 1,4-dioxane by a tetrahydrofuran-growing Arthrobacter sp. WN18. Ecotoxicology and Environmental Safety, 2021, 217, 112206.	6.0	17
31	Simultaneous determination of four trace estrogens in feces, leachate, tap and groundwater using solidâ€“liquid extraction/auto solidâ€phase extraction and highâ€performance liquid chromatography with fluorescence detection. Journal of Separation Science, 2015, 38, 3494-3501.	2.5	14
32	Rapid quantitative analysis and suspect screening of per-and polyfluorinated alkyl substances (PFASs) in aqueous film-forming foams (AFFFs) and municipal wastewater samples by Nano-ESI-HRMS. Water Research, 2022, 219, 118542.	11.3	12
33	Composite biologically active filter (BAF) with zeolite, granular activated carbon, and suspended biological carrier for treating algae-laden raw water. Journal of Water Process Engineering, 2021, 42, 102188.	5.6	11
34	Complete Genome Sequence of Azoarcus sp. Strain DD4, a Gram-Negative Propanotroph That Degrades 1,4-Dioxane and 1,1-Dichloroethylene. Microbiology Resource Announcements, 2019, 8, .	0.6	7
35	Spatiotemporal correlations between water quality and microbial community of typical inflow river into Taihu Lake, China. Environmental Science and Pollution Research, 2022, 29, 63722-63734.	5.3	3
36	Editorial: New Insights Into the Biodegradation of Organic Contaminants in Subsurface Ecosystems: Approaches and Achievements of the Multiomics Era. Frontiers in Microbiology, 2021, 12, 650615.	3.5	2

#	Article	IF	Citations
37	AEESP Spotlight: Mid 2022. Environmental Engineering Science, 2022, 39, 584-585.	1.6	0