

Yu Yan

List of Publications by Year in descending order

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papers

749
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all docs

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docs citations

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775
citing authors

#	ARTICLE	IF	CITATIONS
1	The Great Oxidation Event expanded the genetic repertoire of arsenic metabolism and cycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10414-10421.	7.1	96
2	Source apportionment of heavy metals in urban road dust in a continental city of eastern China: Using Pb and Sr isotopes combined with multivariate statistical analysis. <i>Atmospheric Environment</i> , 2019, 201, 201-211.	4.1	68
3	Bacterial community colonization on tire microplastics in typical urban water environments and associated impacting factors. <i>Environmental Pollution</i> , 2020, 265, 114922.	7.5	58
4	Arsenic Demethylation by a C ¹⁵ As Lyase in Cyanobacterium <i>Nostoc</i> sp. PCC 7120. <i>Environmental Science & Technology</i> , 2015, 49, 14350-14358.	10.0	55
5	Background determination, pollution assessment and source analysis of heavy metals in estuarine sediments from Quanzhou Bay, southeast China. <i>Catena</i> , 2020, 187, 104322.	5.0	45
6	Contamination assessment, source apportionment and health risk assessment of heavy metals in paddy soils of Jiulong River Basin, Southeast China. <i>RSC Advances</i> , 2019, 9, 14736-14744.	3.6	41
7	Source apportionment of metal elements in PM _{2.5} in a coastal city in Southeast China: Combined Pb-Sr-Nd isotopes with PMF method. <i>Atmospheric Environment</i> , 2019, 198, 302-312.	4.1	38
8	Incorporating bioaccessibility and source apportionment into human health risk assessment of heavy metals in urban dust of Xiamen, China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 112985.	6.0	38
9	Arsenic methylation by an arsenite S-adenosylmethionine methyltransferase from <i>Spirulina platensis</i> . <i>Journal of Environmental Sciences</i> , 2016, 49, 162-168.	6.1	34
10	Arsenic Methyltransferase is Involved in Arsenosugar Biosynthesis by Providing DMA. <i>Environmental Science & Technology</i> , 2017, 51, 1224-1230.	10.0	34
11	Arsenic biotransformation by a cyanobacterium <i>Nostoc</i> sp. PCC 7120. <i>Environmental Pollution</i> , 2017, 228, 111-117.	7.5	34
12	A comprehensive analysis on source-specific ecological risk of metal(loid)s in surface sediments of mangrove wetlands in Jiulong River Estuary, China. <i>Catena</i> , 2022, 209, 105817.	5.0	33
13	Identification and characterization of the arsenite methyltransferase from a protozoan, <i>Tetrahymena pyriformis</i> . <i>Aquatic Toxicology</i> , 2014, 149, 50-57.	4.0	24
14	Reduction of Organoarsenical Herbicides and Antimicrobial Growth Promoters by the Legume Symbiont <i>Sinorhizobium meliloti</i> . <i>Environmental Science & Technology</i> , 2019, 53, 13648-13656.	10.0	17
15	Characteristics and provenance implications of rare earth elements and Sr ⁸⁷ Nd isotopes in PM _{2.5} aerosols and PM _{2.5} fugitive dusts from an inland city of southeastern China. <i>Atmospheric Environment</i> , 2020, 220, 117069.	4.1	17
16	Bioaccessibility of microplastic-associated heavy metals using an in vitro digestion model and its implications for human health risk assessment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 76983-76991.	5.3	16
17	Isotope tracers for lead and strontium sources in the Tieguanyin tea garden soils and tea leaves. <i>Chemosphere</i> , 2020, 246, 125638.	8.2	13
18	Bioaccumulation and biotransformation of arsenic in <i>Leptolyngbya boryana</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 29993-30000.	5.3	13

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19	Ability of Periplasmic Phosphate Binding Proteins from <i>Synechocystis</i> sp. PCC 6803 to Discriminate Phosphate Against Arsenate. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	11
20	Characteristics and provenances of rare earth elements in the atmospheric particles of a coastal city with large-scale optoelectronic industries. <i>Atmospheric Environment</i> , 2019, 214, 116836.	4.1	11
21	Distribution and provenance implication of rare earth elements and Sr-Nd isotopes in surface sediments of Jiulong River, Southeast China. <i>Journal of Soils and Sediments</i> , 2019, 19, 1499-1510.	3.0	11
22	Co-expression of Cyanobacterial Genes for Arsenic Methylation and Demethylation in <i>Escherichia coli</i> Offers Insights into Arsenic Resistance. <i>Frontiers in Microbiology</i> , 2017, 8, 60.	3.5	9
23	New insights into toxic effects of arsenate on four <i>Microcystis</i> species under different phosphorus regimes. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44460-44469.	5.3	9
24	Urbanization drives the succession of antibiotic resistome and microbiome in a river watershed. <i>Chemosphere</i> , 2022, 301, 134707.	8.2	9
25	Provenance and bioaccessibility of rare earth elements in atmospheric particles in areas impacted by the optoelectronic industry. <i>Environmental Pollution</i> , 2020, 263, 114349.	7.5	7
26	<i>ArsZ</i> from <i>Ensifer adhaerens</i> ST2 is a novel methylarsenite oxidase. <i>Environmental Microbiology</i> , 2022, 24, 3013-3021.	3.8	6