Song-Can Chen

List of Publications by Year
in descending order

23 papers	1,324 citations	516710 16 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1654 citing authors

#	Article	IF	Citations
1	Does organically produced lettuce harbor higher abundance of antibiotic resistance genes than conventionally produced?. Environment International, 2017, 98, 152-159.	10.0	205
2	Molecular Chemodiversity of Dissolved Organic Matter in Paddy Soils. Environmental Science & Technology, 2018, 52, 963-971.	10.0	160
3	Organic Carbon Amendments Affect the Chemodiversity of Soil Dissolved Organic Matter and Its Associations with Soil Microbial Communities. Environmental Science & Technology, 2019, 53, 50-59.	10.0	150
4	Anaerobic oxidation of ethane by archaea from a marine hydrocarbon seep. Nature, 2019, 568, 108-111.	27.8	149
5	Heavy Metal Induced Antibiotic Resistance in Bacterium LSJC7. International Journal of Molecular Sciences, 2015, 16, 23390-23404.	4.1	126
6	The Great Oxidation Event expanded the genetic repertoire of arsenic metabolism and cycling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10414-10421.	7.1	96
7	Recurrent horizontal transfer of arsenite methyltransferase genes facilitated adaptation of life to arsenic. Scientific Reports, 2017, 7, 7741.	3.3	60
8	Distribution of soil selenium in China is potentially controlled by deposition and volatilization?. Scientific Reports, 2016, 6, 20953.	3.3	49
9	Intramolecular isotopic evidence for bacterial oxidation of propane in subsurface natural gas reservoirs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6653-6658.	7.1	44
10	Biosynthesis of arsenolipids by the cyanobacterium Synechocystis sp. PCC 6803. Environmental Chemistry, 2014, 11, 506.	1.5	38
11	Transcriptomic Analysis Reveals Adaptive Responses of an Enterobacteriaceae Strain LSJC7 to Arsenic Exposure. Frontiers in Microbiology, 2016, 7, 636.	3.5	38
12	Geographic distance and amorphous iron affect the abundance and distribution of Geobacteraceae in paddy soils in China. Journal of Soils and Sediments, 2016, 16, 2657-2665.	3.0	35
13	Bioavailable arsenic and amorphous iron oxides provide reliable predictions for arsenic transfer in soil-wheat system. Journal of Hazardous Materials, 2020, 383, 121160.	12.4	34
14	Enrichment of functional microbes and genes during pyrene degradation in two different soils. Journal of Soils and Sediments, 2016, 16, 417-426.	3.0	32
15	DNA stable-isotope probing identifies uncultivated members of Pseudonocardia associated with biodegradation of pyrene in agricultural soil. FEMS Microbiology Ecology, 2018, 94, .	2.7	25
16	Dynamic equilibrium of endogenous selenium nanoparticles in selenite-exposed cancer cells: a deep insight into the interaction between endogenous SeNPs and proteins. Molecular BioSystems, 2015, 11, 3355-3361.	2.9	21
17	Novel clades of soil biphenyl degraders revealed by integrating isotope probing, multi-omics, and single-cell analyses. ISME Journal, 2021, 15, 3508-3521.	9.8	14
18	The influence of periphyton on the migration and transformation of arsenic in the paddy soil: Rules and mechanisms. Environmental Pollution, 2020, 263, 114624.	7.5	13

#	Article	IF	Citations
19	Genome and proteome analyses show the gaseous alkane degrader Desulfosarcina sp. strain <scp>BuS5</scp> as an extreme metabolic specialist. Environmental Microbiology, 2022, 24, 1964-1976.	3.8	10
20	High Arsenic Levels Increase Activity Rather than Diversity or Abundance of Arsenic Metabolism Genes in Paddy Soils. Applied and Environmental Microbiology, 2021, 87, e0138321.	3.1	9
21	Whole metagenome of injected and produced fluids reveal the heterogenetic characteristics of the microbial community in a water-flooded oil reservoir. Journal of Petroleum Science and Engineering, 2019, 176, 1198-1207.	4.2	8
22	Draft Genome Sequence of Desulfitobacterium hafniense Strain DH, a Sulfate-Reducing Bacterium Isolated from Paddy Soils. Genome Announcements, 2016, 4, .	0.8	5
23	The co-evolution of life and organics on earth: Expansions of energy harnessing. Critical Reviews in Environmental Science and Technology, 2021, 51, 603-625.	12.8	2