

Song-Can Chen

List of Publications by Year in descending order

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Version: 2024-02-01

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	Genome and proteome analyses show the gaseous alkane degrader <i>Desulfosarcina</i> sp. strain <sc>BuS5</sc> as an extreme metabolic specialist. <i>Environmental Microbiology</i> , 2022, 24, 1964-1976.	3.8	10
2	The co-evolution of life and organics on earth: Expansions of energy harnessing. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 603-625.	12.8	2
3	Novel clades of soil biphenyl degraders revealed by integrating isotope probing, multi-omics, and single-cell analyses. <i>ISME Journal</i> , 2021, 15, 3508-3521.	9.8	14
4	High Arsenic Levels Increase Activity Rather than Diversity or Abundance of Arsenic Metabolism Genes in Paddy Soils. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0138321.	3.1	9
5	Bioavailable arsenic and amorphous iron oxides provide reliable predictions for arsenic transfer in soil-wheat system. <i>Journal of Hazardous Materials</i> , 2020, 383, 121160.	12.4	34
6	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
7	The influence of periphyton on the migration and transformation of arsenic in the paddy soil: Rules and mechanisms. <i>Environmental Pollution</i> , 2020, 263, 114624.	7.5	13
8	Intramolecular isotopic evidence for bacterial oxidation of propane in subsurface natural gas reservoirs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6653-6658.	7.1	44
9	Anaerobic oxidation of ethane by archaea from a marine hydrocarbon seep. <i>Nature</i> , 2019, 568, 108-111.	27.8	149
10	Whole metagenome of injected and produced fluids reveal the heterogenetic characteristics of the microbial community in a water-flooded oil reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2019, 176, 1198-1207.	4.2	8
11	Organic Carbon Amendments Affect the Chemodiversity of Soil Dissolved Organic Matter and Its Associations with Soil Microbial Communities. <i>Environmental Science & Technology</i> , 2019, 53, 50-59.	10.0	150
12	DNA stable-isotope probing identifies uncultivated members of <i>Pseudonocardia</i> associated with biodegradation of pyrene in agricultural soil. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	25
13	Molecular Chemodiversity of Dissolved Organic Matter in Paddy Soils. <i>Environmental Science & Technology</i> , 2018, 52, 963-971.	10.0	160
14	Recurrent horizontal transfer of arsenite methyltransferase genes facilitated adaptation of life to arsenic. <i>Scientific Reports</i> , 2017, 7, 7741.	3.3	60
15	Does organically produced lettuce harbor higher abundance of antibiotic resistance genes than conventionally produced?. <i>Environment International</i> , 2017, 98, 152-159.	10.0	205
16	Transcriptomic Analysis Reveals Adaptive Responses of an Enterobacteriaceae Strain LSJC7 to Arsenic Exposure. <i>Frontiers in Microbiology</i> , 2016, 7, 636.	3.5	38
17	Distribution of soil selenium in China is potentially controlled by deposition and volatilization?. <i>Scientific Reports</i> , 2016, 6, 20953.	3.3	49
18	Enrichment of functional microbes and genes during pyrene degradation in two different soils. <i>Journal of Soils and Sediments</i> , 2016, 16, 417-426.	3.0	32

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19	Geographic distance and amorphous iron affect the abundance and distribution of Geobacteraceae in paddy soils in China. <i>Journal of Soils and Sediments</i> , 2016, 16, 2657-2665.	3.0	35
20	Draft Genome Sequence of <i>Desulfitobacterium hafniense</i> Strain DH, a Sulfate-Reducing Bacterium Isolated from Paddy Soils. <i>Genome Announcements</i> , 2016, 4, .	0.8	5
21	Heavy Metal Induced Antibiotic Resistance in Bacterium LSJC7. <i>International Journal of Molecular Sciences</i> , 2015, 16, 23390-23404.	4.1	126
22	Dynamic equilibrium of endogenous selenium nanoparticles in selenite-exposed cancer cells: a deep insight into the interaction between endogenous SeNPs and proteins. <i>Molecular BioSystems</i> , 2015, 11, 3355-3361.	2.9	21
23	Biosynthesis of arsenolipids by the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Environmental Chemistry</i> , 2014, 11, 506.	1.5	38