

Cheng Han

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

538
citations

623734

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26
all docs

26
docs citations

26
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Competitive interaction with keystone taxa induced negative priming under biochar amendments. <i>Microbiome</i> , 2019, 7, 77.	11.1	148
2	Characterization of Electricity Generated by Soil in Microbial Fuel Cells and the Isolation of Soil Source Exoelectrogenic Bacteria. <i>Frontiers in Microbiology</i> , 2016, 7, 1776.	3.5	75
3	Long-term fertilization effects on active ammonia oxidizers in an acidic upland soil in China. <i>Soil Biology and Biochemistry</i> , 2015, 84, 28-37.	8.8	63
4	Assessment of abundance and diversity of exoelectrogenic bacteria in soil under different land use types. <i>Catena</i> , 2019, 172, 572-580.	5.0	30
5	Transgenic Bt rice has adverse impacts on CH ₄ flux and rhizospheric methanogenic archaeal and methanotrophic bacterial communities. <i>Plant and Soil</i> , 2013, 369, 297-316.	3.7	22
6	Organic and inorganic model soil fractions instigate the formation of distinct microbial biofilms for enhanced biodegradation of benzo[a]pyrene. <i>Journal of Hazardous Materials</i> , 2021, 404, 124071.	12.4	21
7	A chromosomally based luminescent bioassay for mercury detection in red soil of China. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 981-989.	3.6	20
8	The effects of closed circuit microbial fuel cells on methane emissions from paddy soil vary with straw amount. <i>Catena</i> , 2017, 154, 33-39.	5.0	17
9	A Novel Sediment Microbial Fuel Cell Based Sensor for On-line and <i>in situ</i> Monitoring Copper Shock in Water. <i>Electroanalysis</i> , 2018, 30, 2668-2675.	2.9	17
10	Responses of Active Ammonia Oxidizers and Nitrification Activity in Eutrophic Lake Sediments to Nitrogen and Temperature. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	16
11	Biochar amendment in reductive soil disinfection process improved remediation effect and reduced N ₂ O emission in a nitrate-rich degraded soil. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 983-991.	2.6	15
12	Bacterial community composition in soils covered by different vegetation types in the Yancheng tidal marsh. <i>Environmental Science and Pollution Research</i> , 2020, 27, 21517-21532.	5.3	15
13	Vertical distribution and community composition of anammox bacteria in sediments of a eutrophic shallow lake. <i>Journal of Applied Microbiology</i> , 2018, 125, 121-132.	3.1	14
14	Methylococcaceae are the dominant active aerobic methanotrophs in a Chinese tidal marsh. <i>Environmental Science and Pollution Research</i> , 2019, 26, 636-646.	5.3	12
15	Disturbance mechanisms of lacustrine organic carbon burial: Case study of Cuopu Lake, Southwest China. <i>Science of the Total Environment</i> , 2020, 746, 140615.	8.0	12
16	The voltage signals of microbial fuel cell-based sensors positively correlated with methane emission flux in paddy fields of China. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	9
17	Indication of Soil Microbial Activity by Electrical Signals of Microbial Fuel Cells with Re-Vegetated Red Soils. <i>Pedosphere</i> , 2018, 28, 269-276.	4.0	4
18	Responses of Active Ammonia Oxidizers to Eutrophication and Oxygen Statuses in Taihu Freshwater Sediments. <i>Geomicrobiology Journal</i> , 2018, 35, 829-839.	2.0	4

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19	Effects of transgenic Bt rice on the active rhizospheric methanogenic archaeal community as revealed by DNA-based stable isotope probing. <i>Journal of Applied Microbiology</i> , 2018, 125, 1094-1107.	3.1	3
20	Spatial distribution and co-occurrence of aerobic ammonia oxidation and anaerobic ammonium oxidation activities in the water-soil interface, bulk, and rhizosphere regions of paddy soil. <i>Plant and Soil</i> , 2021, 466, 557-568.	3.7	2
21	N ₂ O emission mitigation and microbial activity after Biochar and Cao application in a flooded nitrate-rich vegetable soil. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2019, 69, 257-267.	0.6	0
22	Trait-based comparison of transgenic Bt rice and its non-Bt counterpart in response to soil copper pollution. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2773-2782.	5.3	0