

Chao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

838
citations

759233

12
h-index

940533

16
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17
all docs

17
docs citations

17
times ranked

693
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil bacterial community dynamics reflect changes in plant community and soil properties during the secondary succession of abandoned farmland in the Loess Plateau. <i>Soil Biology and Biochemistry</i> , 2016, 97, 40-49.	8.8	438
2	Urea fertilization decreases soil bacterial diversity, but improves microbial biomass, respiration, and N-cycling potential in a semiarid grassland. <i>Biology and Fertility of Soils</i> , 2019, 55, 229-242.	4.3	87
3	Changes in nitrogen functional genes in soil profiles of grassland under long-term grazing prohibition in a semiarid area. <i>Science of the Total Environment</i> , 2019, 673, 92-101.	8.0	50
4	Aboveâ€Ground and Belowâ€Ground Ecosystem Biomass Accumulation and Carbon Sequestration with <i>Caragana korshinskii</i> Kom Plantation Development. <i>Land Degradation and Development</i> , 2017, 28, 906-917.	3.9	49
5	Diversity and co-occurrence network modularization of bacterial communities determine soil fertility and crop yields in arid fertigation agroecosystems. <i>Biology and Fertility of Soils</i> , 2021, 57, 809-824.	4.3	49
6	Application of signaling molecules in reducing metal accumulation in alfalfa and alleviating metal-induced phytotoxicity in Pb/Cd-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109459.	6.0	31
7	N-induced root exudates mediate the rhizosphere fungal assembly and affect species coexistence. <i>Science of the Total Environment</i> , 2022, 804, 150148.	8.0	24
8	Use of biogas solid residue from anaerobic digestion as an effective amendment to remediate Cr(VI)-contaminated soils. <i>Environmental Science and Pollution Research</i> , 2019, 26, 13041-13053.	5.3	20
9	Effect of Different Vegetation Types on the Rhizosphere Soil Microbial Community Structure in the Loess Plateau of China. <i>Journal of Integrative Agriculture</i> , 2013, 12, 2103-2113.	3.5	19
10	Alpine meadow degradation depresses soil nitrogen fixation by regulating plant functional groups and diazotrophic community composition. <i>Plant and Soil</i> , 2022, 473, 319-335.	3.7	17
11	Response of rhizosphere microbial communities to plant succession along a grassland chronosequence in a semiarid area. <i>Journal of Soils and Sediments</i> , 2019, 19, 2496-2508.	3.0	16
12	Fractal Feature of Particle-Size Distribution in the Rhizospheres and Bulk Soils during Natural Recovery on the Loess Plateau, China. <i>PLoS ONE</i> , 2015, 10, e0138057.	2.5	14
13	Ecoenzymatic stoichiometry reflects the regulation of microbial carbon and nitrogen limitation on soil nitrogen cycling potential in arid agriculture ecosystems. <i>Journal of Soils and Sediments</i> , 2022, 22, 1228-1241.	3.0	12
14	Different roles of core and noncore bacterial taxa in maintaining soil multinutrient cycling and microbial network stability in arid fertigation agroecosystems. <i>Journal of Applied Ecology</i> , 2022, 59, 2154-2165.	4.0	5
15	Effects of alpine meadow degradation on nitrifying and denitrifying microbial communities, and N. <i>Soil Research</i> , 2022, 60, 158-172.	1.1	4