Zubin Xie

List of Publications by Year in descending order

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35 papers	2,477 citations	279798 23 h-index	361022 35 g-index
37 all docs	37 docs citations	37 times ranked	2999 citing authors

#	Article	IF	Citations
1	Ecoenzymatic stoichiometry reveals stronger microbial carbon and nitrogen limitation in biochar amendment soils: A meta-analysis. Science of the Total Environment, 2022, 838, 156532.	8.0	16
2	Microbial metabolic efficiency and community stability in high and low fertility soils following wheat residue addition. Applied Soil Ecology, 2021, 159, 103848.	4.3	14
3	How do different nitrogen application levels and irrigation practices impact biological nitrogen fixation and its distribution in paddy system?. Plant and Soil, 2021, 467, 329-344.	3.7	9
4	The role of crystallinity and particle morphology on the sorption of dibutyl phthalate on polyethylene microplastics: Implications for the behavior of phthalate plastic additives. Environmental Pollution, 2021, 283, 117393.	7.5	32
5	Biochar amendment in reductive soil disinfestation process improved remediation effect and reduced N₂O emission in a nitrate-riched degraded soil. Archives of Agronomy and Soil Science, 2020, 66, 983-991.	2.6	15
6	Unveiling of active diazotrophs in a flooded rice soil by combination of NanoSIMS and 15N2-DNA-stable isotope probing. Biology and Fertility of Soils, 2020, 56, 1189-1199.	4.3	17
7	A fast chemical oxidation method for predicting the long-term mineralization of biochar in soils. Science of the Total Environment, 2020, 718, 137390.	8.0	16
8	Description of Azotobacter chroococcum subsp. isscasi subsp. nov. isolated from paddy soil and establishment of Azotobacter chroococcum subsp. chroococcum subsp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2124-2131.	1.7	14
9	K-strategic ammonia-oxidizing bacteria capitalize on biological nitrogen fixation in a flooded, unfertilized rice soil. Biology and Fertility of Soils, 2019, 55, 713-722.	4.3	5
10	Paddy System with a Hybrid Rice Enhances Cyanobacteria Nostoc and Increases N2 Fixation. Pedosphere, 2019, 29, 374-387.	4.0	10
11	Biochar application as a tool to decrease soil nitrogen losses (<scp>NH</scp>₃) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf strength in a global perspective. Global Change Biology, 2019, 25, 2077-2093.	9.5	151
12	Threeâ€Year Field Observation of Biocharâ€Mediated Changes in Soil Organic Carbon and Microbial Activity. Journal of Environmental Quality, 2019, 48, 717-726.	2.0	10
13	Impacts of Mo application on biological nitrogen fixation and diazotrophic communities in a flooded rice-soil system. Science of the Total Environment, 2019, 649, 686-694.	8.0	49
14	Soil aluminum oxides determine biological nitrogen fixation and diazotrophic communities across major types of paddy soils in China. Soil Biology and Biochemistry, 2019, 131, 81-89.	8.8	61
15	How does biochar influence soil N cycle? A meta-analysis. Plant and Soil, 2018, 426, 211-225.	3.7	210
16	Mitigating cadmium accumulation in greenhouse lettuce production using biochar. Environmental Science and Pollution Research, 2017, 24, 6532-6542.	5.3	27
17	Effects of Different Biochars on Pinus elliottii Growth, N Use Efficiency, Soil N 2 O and CH 4 Emissions and C Storage in a Subtropical Area of China. Pedosphere, 2017, 27, 248-261.	4.0	42
18	The influence of particle size and feedstock of biochar on the accumulation of Cd, Zn, Pb, and As by Brassica chinensis L.. Environmental Science and Pollution Research, 2017, 24, 22340-22352.	5.3	34

#	Article	IF	Citations
19	Can biochar alleviate soil compaction stress on wheat growth and mitigate soil N2O emissions?. Soil Biology and Biochemistry, 2017, 104, 8-17.	8.8	100
20	Carbon footprint of rice production under biochar amendment â€“ a case study in a Chinese rice cropping system. GCB Bioenergy, 2016, 8, 148-159.	5.6	54
21	Biochar, activated carbon and carbon nanotubes have different effects on fate of 14C-catechol and microbial community in soil. Scientific Reports, 2015, 5, 16000.	3.3	48
22	Effects of biochar application on greenhouse gas emissions, carbon sequestration and crop growth in coastal saline soil. European Journal of Soil Science, 2015, 66, 329-338.	3.9	101
23	Experimental Warming Increases Seasonal Methane Uptake in an Alpine Meadow on the Tibetan Plateau. Ecosystems, 2015, 18, 274-286.	3.4	33
24	Ozone pollution influences soil carbon and nitrogen sequestration and aggregate composition in paddy soils. Plant and Soil, 2014, 380, 305-313.	3.7	15
25	Soil Organic Carbon Stocks, Changes and CO2 Mitigation Potential by Alteration of Residue Amendment Pattern in China. , 2014, , 457-466.		1
26	Impact of biochar application on nitrogen nutrition of rice, greenhouse-gas emissions and soil organic carbon dynamics in two paddy soils of China. Plant and Soil, 2013, 370, 527-540.	3.7	187
27	Heterotrophic and phototrophic 15 N 2 fixation and distribution of fixed 15 N in a flooded riceâ€“soil system. Soil Biology and Biochemistry, 2013, 59, 25-31.	8.8	49
28	Effects of biochar application on vegetable production and emissions of N₂O and CH₄. Soil Science and Plant Nutrition, 2012, 58, 503-509.	1.9	62
29	Mechanisms of biochar decreasing methane emission from Chinese paddy soils. Soil Biology and Biochemistry, 2012, 46, 80-88.	8.8	354
30	Response of ecosystem respiration to warming and grazing during the growing seasons in the alpine meadow on the Tibetan plateau. Agricultural and Forest Meteorology, 2011, 151, 792-802.	4.8	171
31	CO2 mitigation potential in farmland of China by altering current organic matter amendment pattern. Science China Earth Sciences, 2010, 53, 1351-1357.	5.2	38
32	Fluxes of CO2, CH4, and N2O in an alpine meadow affected by yak excreta on the Qinghai-Tibetan plateau during summer grazing periods. Soil Biology and Biochemistry, 2009, 41, 718-725.	8.8	123
33	Soil organic carbon stocks in China and changes from 1980s to 2000s. Global Change Biology, 2007, 13, 1989-2007.	9.5	324
34	Responses of rice and winter wheat to free-air CO2 enrichment (China FACE) at rice/wheat rotation system. Plant and Soil, 2007, 294, 137-146.	3.7	47
35	Effect of elevated atmospheric CO2 concentration on soil and root respiration in winter wheat by using a respiration partitioning chamber. Plant and Soil, 2007, 299, 237-249.	3.7	34