

Jinquan Li

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

645
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

655
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial heterogeneity of temperature sensitivity of soil respiration: A global analysis of field observations. <i>Soil Biology and Biochemistry</i> , 2020, 141, 107675.	8.8	65
2	Biochar decreased the temperature sensitivity of soil carbon decomposition in a paddy field. <i>Agriculture, Ecosystems and Environment</i> , 2017, 249, 156-164.	5.3	54
3	Biogeographic variation in temperature sensitivity of decomposition in forest soils. <i>Global Change Biology</i> , 2020, 26, 1873-1885.	9.5	49
4	The temperature sensitivity of soil organic carbon decomposition is greater in subsoil than in topsoil during laboratory incubation. <i>Scientific Reports</i> , 2017, 7, 5181.	3.3	45
5	Depth dependence of soil carbon temperature sensitivity across Tibetan permafrost regions. <i>Soil Biology and Biochemistry</i> , 2018, 126, 82-90.	8.8	45
6	Rising Temperature May Trigger Deep Soil Carbon Loss Across Forest Ecosystems. <i>Advanced Science</i> , 2020, 7, 2001242.	11.2	42
7	Spatiotemporal variability of fire effects on soil carbon and nitrogen: A global meta-analysis. <i>Global Change Biology</i> , 2021, 27, 4196-4206.	9.5	35
8	Soil physico-chemical properties are more important than microbial diversity and enzyme activity in controlling carbon and nitrogen stocks near Sydney, Australia. <i>Geoderma</i> , 2020, 366, 114201.	5.1	27
9	Root effects on the temperature sensitivity of soil respiration depend on climatic condition and ecosystem type. <i>Soil and Tillage Research</i> , 2020, 199, 104574.	5.6	27
10	Biochar aging increased microbial carbon use efficiency but decreased biomass turnover time. <i>Geoderma</i> , 2021, 382, 114710.	5.1	26
11	Temperature adaptation of soil microbial respiration in alpine, boreal and tropical soils: An application of the square root (Ratkowsky) model. <i>Global Change Biology</i> , 2021, 27, 1281-1292.	9.5	26
12	Microbial carbon use efficiency, biomass residence time and temperature sensitivity across ecosystems and soil depths. <i>Soil Biology and Biochemistry</i> , 2021, 154, 108117.	8.8	26
13	Carbon quality mediates the temperature sensitivity of soil organic carbon decomposition in managed ecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2017, 250, 44-50.	5.3	23
14	Soil physico-chemical properties are critical for predicting carbon storage and nutrient availability across Australia. <i>Environmental Research Letters</i> , 2020, 15, 094088.	5.2	22
15	Different responses of root exudates to biochar application under elevated CO ₂ . <i>Agriculture, Ecosystems and Environment</i> , 2020, 301, 107061.	5.3	21
16	Does root respiration in Australian rainforest tree seedlings acclimate to experimental warming?. <i>Tree Physiology</i> , 2020, 40, 1192-1204.	3.1	19
17	An incubation study of temperature sensitivity of greenhouse gas fluxes in three land-cover types near Sydney, Australia. <i>Science of the Total Environment</i> , 2019, 688, 324-332.	8.0	17
18	Biochar-induced reductions in the rhizosphere priming effect are weaker under elevated CO ₂ . <i>Soil Biology and Biochemistry</i> , 2020, 142, 107700.	8.8	15

#	ARTICLE	IF	CITATIONS
19	Thermal adaptation occurs in the respiration and growth of widely distributed bacteria. <i>Global Change Biology</i> , 2022, 28, 2820-2829.	9.5	15
20	Key microorganisms mediate soil carbon-climate feedbacks in forest ecosystems. <i>Science Bulletin</i> , 2021, 66, 2036-2044.	9.0	14
21	Enzymic moderations of bacterial and fungal communities on short- and long-term warming impacts on soil organic carbon. <i>Science of the Total Environment</i> , 2022, 804, 150197.	8.0	14
22	Ecosystem type drives tea litter decomposition and associated prokaryotic microbiome communities in freshwater and coastal wetlands at a continental scale. <i>Science of the Total Environment</i> , 2021, 782, 146819.	8.0	12
23	Alpine meadow degradation enhances the temperature sensitivity of soil carbon decomposition on the Qinghai-Tibetan plateau. <i>Applied Soil Ecology</i> , 2022, 170, 104290.	4.3	6