Xiaobing Zhou

List of Publications by Year
in descending order

20	525	840776 11	794594 19
papers	citations	h-index	g-index

21	21	21	478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-linear response of microbial activity across a gradient of nitrogen addition to a soil from the Gurbantunggut Desert, northwestern China. Soil Biology and Biochemistry, 2012, 47, 67-77.	8.8	89
2	What is a biocrust? A refined, contemporary definition for a broadening research community. Biological Reviews, 2022, 97, 1768-1785.	10.4	87
3	Global homogenization of the structure and function in the soil microbiome of urban greenspaces. Science Advances, 2021, 7, .	10.3	83
4	Chronic nitrogen addition induces a cascade of plant community responses with both seasonal and progressive dynamics. Science of the Total Environment, 2018, 626, 99-108.	8.0	39
5	Responses of microbial activities and soil physical-chemical properties to the successional process of biological soil crusts in the Gurbantunggut Desert, Xinjiang. Journal of Arid Land, 2015, 7, 101-109.	2.3	37
6	Sensitivity of growth and biomass allocation patterns to increasing nitrogen: a comparison between ephemerals and annuals in the Gurbantunggut Desert, north-western China. Annals of Botany, 2014, 113, 501-511.	2.9	32
7	Practices of biological soil crust rehabilitation in China: experiences and challenges. Restoration Ecology, 2020, 28, S45.	2.9	28
8	Seasonal pattern of soil respiration and gradual changing effects of nitrogen addition in a soil of the Gurbantunggut Desert, northwestern China. Atmospheric Environment, 2014, 85, 187-194.	4.1	25
9	Sensitivity of the xerophytic mossSyntrichia caninervisto prolonged simulated nitrogen deposition. Annals of Botany, 2016, 117, 1153-1161.	2.9	24
10	Leaf N and P stoichiometry of 57 plant species in the Karamori Mountain Ungulate Nature Reserve, Xinjiang, China. Journal of Arid Land, 2016, 8, 935-947.	2.3	21
11	Divergent responses of nitrous oxide, methane and carbon dioxide exchange to pulses of nitrogen addition in a desert in Central Asia. Catena, 2019, 173, 29-37.	5.0	19
12	Freeze-thaw cycles change the physiological sensitivity of Syntrichia caninervis to snow cover. Journal of Plant Physiology, 2021, 266, 153528.	3.5	11
13	Thirst or Malnutrition: The Impacts of Invasive Insect Agrilus mali on the Physiological Status of Wild Apple Trees. Forests, 2020, 11, 440.	2.1	10
14	Shrub modulates the stoichiometry of moss and soil in desert ecosystems, China. Journal of Arid Land, 2019, 11, 579-594.	2.3	5
15	Relationship of species diversity between overstory trees and understory herbs along the environmental gradients in the Tianshan Wild Fruit Forests, Northwest China. Journal of Arid Land, 2020, 12, 618-629.	2.3	5
16	Impacts of snow on seed germination are independent of seed traits and plant ecological characteristics in a temperate desert of Central Asia. Journal of Arid Land, 2020, 12, 775-790.	2.3	3
17	Season and Nitrogen Effects on Activities of Three Hydrolytic Enzymes in Soils of the Gurbantunggut Desert, Northwest China. Communications in Soil Science and Plant Analysis, 2014, 45, 1699-1713.	1.4	2
18	Snowpack shifts cyanobacterial community in biological soil crusts. Journal of Arid Land, 2021, 13, 239-256.	2.3	2

#	Article	IF	Citations
19	Nitrogen deposition stimulated winter nitrous oxide emissions from bare sand more than biological soil crusts in cold desert ecosystem. Science of the Total Environment, 2022, 841, 156779.	8.0	2
20	Impacts of Nitrogen Deposition on Chinaâ€™s Desert Ecosystems. , 2020, , 245-261.		1