

# Xiaobing Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8183684/publications.pdf>

Version: 2024-02-01

20  
papers

525  
citations

840776

11  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

478  
citing authors

#	ARTICLE	IF	CITATIONS
1	What is a biocrust? A refined, contemporary definition for a broadening research community. <i>Biological Reviews</i> , 2022, 97, 1768-1785.	10.4	87
2	Nitrogen deposition stimulated winter nitrous oxide emissions from bare sand more than biological soil crusts in cold desert ecosystem. <i>Science of the Total Environment</i> , 2022, 841, 156779.	8.0	2
3	Snowpack shifts cyanobacterial community in biological soil crusts. <i>Journal of Arid Land</i> , 2021, 13, 239-256.	2.3	2
4	Global homogenization of the structure and function in the soil microbiome of urban greenspaces. <i>Science Advances</i> , 2021, 7, .	10.3	83
5	Freeze-thaw cycles change the physiological sensitivity of <i>Syntrichia caninervis</i> to snow cover. <i>Journal of Plant Physiology</i> , 2021, 266, 153528.	3.5	11
6	Impacts of snow on seed germination are independent of seed traits and plant ecological characteristics in a temperate desert of Central Asia. <i>Journal of Arid Land</i> , 2020, 12, 775-790.	2.3	3
7	Relationship of species diversity between overstory trees and understory herbs along the environmental gradients in the Tianshan Wild Fruit Forests, Northwest China. <i>Journal of Arid Land</i> , 2020, 12, 618-629.	2.3	5
8	Practices of biological soil crust rehabilitation in China: experiences and challenges. <i>Restoration Ecology</i> , 2020, 28, S45.	2.9	28
9	Thirst or Malnutrition: The Impacts of Invasive Insect <i>Agrilus mali</i> on the Physiological Status of Wild Apple Trees. <i>Forests</i> , 2020, 11, 440.	2.1	10
10	Impacts of Nitrogen Deposition on China's Desert Ecosystems. , 2020, , 245-261.		1
11	Shrub modulates the stoichiometry of moss and soil in desert ecosystems, China. <i>Journal of Arid Land</i> , 2019, 11, 579-594.	2.3	5
12	Divergent responses of nitrous oxide, methane and carbon dioxide exchange to pulses of nitrogen addition in a desert in Central Asia. <i>Catena</i> , 2019, 173, 29-37.	5.0	19
13	Chronic nitrogen addition induces a cascade of plant community responses with both seasonal and progressive dynamics. <i>Science of the Total Environment</i> , 2018, 626, 99-108.	8.0	39
14	Sensitivity of the xerophytic moss <i>Syntrichia caninervis</i> to prolonged simulated nitrogen deposition. <i>Annals of Botany</i> , 2016, 117, 1153-1161.	2.9	24
15	Leaf N and P stoichiometry of 57 plant species in the Karamori Mountain Ungulate Nature Reserve, Xinjiang, China. <i>Journal of Arid Land</i> , 2016, 8, 935-947.	2.3	21
16	Responses of microbial activities and soil physical-chemical properties to the successional process of biological soil crusts in the Gurbantunggut Desert, Xinjiang. <i>Journal of Arid Land</i> , 2015, 7, 101-109.	2.3	37
17	Season and Nitrogen Effects on Activities of Three Hydrolytic Enzymes in Soils of the Gurbantunggut Desert, Northwest China. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1699-1713.	1.4	2
18	Sensitivity of growth and biomass allocation patterns to increasing nitrogen: a comparison between ephemerals and annuals in the Gurbantunggut Desert, north-western China. <i>Annals of Botany</i> , 2014, 113, 501-511.	2.9	32

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19	Seasonal pattern of soil respiration and gradual changing effects of nitrogen addition in a soil of the Gurbantunggut Desert, northwestern China. <i>Atmospheric Environment</i> , 2014, 85, 187-194.	4.1	25
20	Non-linear response of microbial activity across a gradient of nitrogen addition to a soil from the Gurbantunggut Desert, northwestern China. <i>Soil Biology and Biochemistry</i> , 2012, 47, 67-77.	8.8	89