Xiaosa Liang

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Education

09/2020 -01/2024
PhD in Ecology
Institute of Applied Ecology, Chinese Academy of Sciences, China;
09/2016 -07/2019
Master in Ecology
Institute of Applied Ecology, Chinese Academy of Sciences, China;
College of Resources and Environment, University of Chinese Academy of Sciences, China.
09/2012 - 07/2016
Bachelor in Soil and Water Conservation
College of Environmental Science and Engineering, Liaoning Technical University, China.

Research Interests

Global Change, Nutrient Resorption, Leaf P fractions, Plant Phenology, Plant Functional Traits.

Publications (in English)

Liang X-S, Wang Z-W, Luo W-T, Song L, Ma W, Te N, Yu Q, Han X-G, Lü X-T*. Reversal of extreme drought-induced plant nitrogen and phosphorus imbalances in grassland. ***Ecosystems*** (revised).

Liang X-S, Ma W, Yu Q, Luo W-T, Wang Z-W, Lü X-T*, Han X-G. Conserved responses of nutrient resorption to extreme drought in a grassland: The role of community compositional changes. ***Functional Ecology***, 2022, 36: 2616–2625.

Liang X-S, Ma W, Hu J-X, Zhang B-C, Wang Z-W, Lü X-T*. Extreme drought exacerbates plant nitrogen-phosphorus imbalance in nitrogen enriched grassland. ***Science of the Total Environment***, 2022, 849: 157916.

Ma W, **Liang X-S**, Wang Z-W*, Luo W-T, Yu Q, Han X-G. Resistance of steppe communities to extreme drought in northeast China. ***Plant and Soil***, 2022, 473: 181–194.

Ning Y, **Liang X-S**, Ding C, Zhang Z-W, Hu Y-Y, Yang G-J, Lü X-T*. Litter accumulation retards the positive effects of nitrogen inputs on plant carbon sequestration in grassland. ***Plant and Soil***, 2023, 483: 301–312.

Zhang B-C, Ma W, Song L, **Liang X-S**, Xi X-Q, Wang Z-W*. Nitrogen addition and experimental drought simplified arthropod network in temperate grassland [J]. ***Functional Ecology***, 2023, 37: 1815–1826.

Luo W-T., Xu C, Ma W, Yue X-Y, **Liang X-S**, Zuo X-A, Knapp A K, Smith M D, Sardans J, Dijkstra F A., Peñuelas J., Bai Y-F, Wang Z-W, Yu Q, Han X-G. Effects of extreme drought

on plant nutrient uptake and resorption in rhizomatous vs bunchgrass-dominated grasslands. ***Oecologia***, 2018, 188: 633-643.

Awards & Honors

2022-2023	Chinese Academy of Sciences President's Award for Excellence;
	Wang Dong Grass-Science Scholarship, Chinese Grassland Society
2021-2022	National Scholarship for PhD Students
2020-2021	Merit Student;
	Outstanding Student Cadres
2017-2018	National Scholarship for Graduate Students, Merit Student;
2015-2016	Merit Student,
	The Second Prize Scholarship (autumn semester),
	The First Prize Scholarship (spring semester);
2014-2015	National Encouragement Scholarship,
	Shanxi Jiaomei Scholarship,
	Top 2 student,
	Merit Student,
	Excellent League Member,
	The Second Prize Scholarship (autumn semester),
	The Second Prize Scholarship (spring semester);
2013-2014	National Encouragement Scholarship,
	Top 1 Student,
	Merit Student,
	The Second Prize Scholarship (autumn semester),
	The Second Prize Scholarship (spring semester);
2012-2013	National Encouragement Scholarship.