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Research Interests

- Global change ecology
- Grassland ecology
- Ecological stoichiometry
- Experimental network
- Community ecology

Publication

Linking stoichiometric homeostasis with ecosystem structure, functioning, and stability, *Ecology Letters*, 2010, DOI:10.1111/j.1461-0248.2010.01532.x

Stoichiometric homeostasis of vascular plants in the Inner Mongolia grassland, *Oecologia*, 2011, DOI:10.1007/s00442-010-1902-z

Stoichiometric homeostasis underlies species dominance, stability and response to global change, *Ecology*, 2015, DOI:10.1890/14-1897.1



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C:N:P stoichiometry in China's forests: From organs to ecosystems,*Functional Ecology*, 2017,
DOI:10.1111/1365-2435.12979

Facilitation by leguminous shrubs increases along a precipitation gradient,*Functional Ecology*,2017,DOI: 10.1111/1365-2435.12941

Change in dominance determines herbivore effects on plant biodiversity,*Nature Ecology & Evolution*,2018, DOI:10.1038/s41559-018-0696-y

Differential responses of canopy nutrients to experimental drought along a natural aridity gradient,*Ecology*,2018, DOI:10.1002/ecy.2444

Sediment addition and legume cultivation result in sustainable, long - term increases in ecosystem functions of sandy grasslands,*Land Degradation and Development*, 2019,
DOI:10.1002/ldr.3348

Global change effects on plant communities are magnified by time and the number of global change factors imposed,*Proceedings of the National Academy of Sciences*,2019,
DOI:10.1073/pnas.1819027116

Species asynchrony stabilises productivity under extreme drought across Northern China grasslands,*Journal of Ecology*,2021, DOI:10.1111/1365-2745.13587