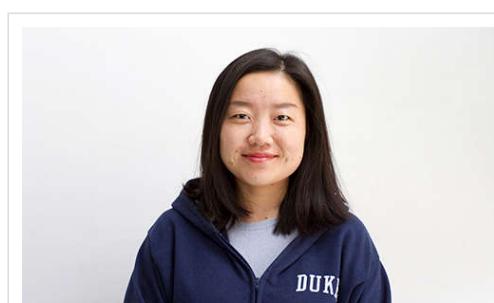


[首页](#)[本所概况](#)[师资队伍](#)[教育教学](#)[学术研究](#)[规章制度](#)[党群工作](#)[景观图库](#)[师资队伍](#)

## 师资队伍

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土壤碳的生物地球化学循环

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2012/09-2017/09, 南京农业大学, 植物营养学, 硕博连读

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高分辨光谱在环境学中应用。

主持或参加科研项目:

1. 国家自然科学基金青年项目, 41807025, 铁氧化还原过程介导的亚高山草甸土壤木质素降解机制研究, 主持
2. 国家自然科学基金青年项目, 41807072, 晋西北黄土高原植被恢复对土壤有机碳化学结构和微生物群落的影响, 参加
3. 国家自然科学基金青年项目, 41801350, 基于多源遥感的东北黑土区切沟发育机制研究, 参加
4. 国家自然科学基金面上项目, 41371248, 有机肥促进红壤中非晶形纳米矿物形成的机制研究, 参加

5. 环保部公益行业子课题, 2111101-01, 山西调查地区居民环境金属总暴露调查 (一期), 参加
6. 国家重点基础研究发展计划 (973计划) 课题, 2011CB100503, 土壤有机质转化累积机制与提高途径, 参加

发表论文:

- (1) **Yongli Wen\***, Emily Bernhardt, Wenbo Deng, Wenjuan Liu, Junxia Yan, Ethan Baruch, Christina Bergemann. Salt effects on carbon mineralization in southeastern coastal wetland soils of the United States. *Geoderma*. 2019, 339: 31-39.
- (2) **Yongli Wen**, Wenjuan Liu, Wenbo Deng, Xinhua He, Guanghui Yu\*. Impact of agricultural fertilization practices on organo-mineral associations in four long-term field experiments: Implications for soil C sequestration. *Science of the Total Environment*. 2019, 651: 591-600.
- (3) **Yongli Wen**, Jian Xiao, Feifei Liu, Bernard A Goodman, Wei Li, Zhongjun Jia, Wei Ran, Ruifu Zhang, Qirong Shen, Guanghui Yu\*. Contrasting effects of inorganic and organic fertilisation regimes on shifts in Fe redox bacterial communities in red soils. *Soil Biology and Biochemistry*, 2018, 117: 56-67.
- (4) **Yongli Wen**, Jian Xiao, Huan Li, Qirong Shen, Wei Ran, Quansuo Zhou, Guanghui Yu\*. Long-term fertilization practices alter aluminum fraction and coordinate state in soil colloids. *Soil Science Society of America Journal*, 2014, 78: 2083-2089.
- (5) **Yongli Wen**, Huan Li, Jian Xiao, Chang Wang, Qirong Shen, Wei Ran, Xinhua He, Quansuo Zhou, Guanghui Yu\*. Insights into complexation of dissolved organic matter and Al(III) and nanominerals formation in soils under contrasting fertilizations using two-dimensional correlation spectroscopy and high resolution-transmission electron microscopy techniques. *Chemosphere*, 2014, 111: 441–449.
- (6) Jian Xiao, **Yongli Wen**, Sen Dou, Benjamin C. Bostick, Xinhua He, Wei Ran, Guanghui Yu\*, Qirong Shen. A new strategy for assessing the binding microenvironments in intact soil microaggregates. *Soil and Tillage Research*. 2019, 189: 123-130.
- (7) Jian Xiao, **Yongli Wen**, Guanghui Yu, Sen Dou\*. Strategy for microscale characterization of soil mineral-organic associations by synchrotron-radiation-based FTIR technology. *Soil Science Society of America Journal*. 2018, 82(6): 1583-1591.

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- (9) Chang Wang, Chichao Huang, Jian Qian, Jian Xiao, Huan Li, **Yongli Wen**, Xinhua He, Wei Ran, Qirong Shen, Guanghui Yu\*. Rapid and accurate evaluation of the quality of commercial organic fertilizers using near infrared spectroscopy. *PLoS ONE*, 2014, 9: e88279.

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