



INSTITUTE OF AGRICULTURAL RESOURCES  
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### Research Interests

- Soil quality and productivity
- Yield gap quantification and decomposition
- Interaction effect of soil, management, climate on production

### Publication

**Biochar addition leads to more soil organic carbon sequestration under a rice-maize cropping system than continuous flooded rice**, Agriculture, Ecosystems and Environment, 2020, DOI: 10.1016/j.agee.2020.106965

**Agronomic and environmental causes of yield and nitrogen use efficiency gaps in Chinese rice farming systems**, European Journal of Agronomy, 2018, DOI: 10.1016/j.eja.2017.11.001

**Plant-Based Assessment of Inherent Soil Productivity and Contributions to China's Cereal Crop Yield Increase since 1980**, Plos One, 2013, DOI: 10.1371/journal.pone.0074617

**Improving inherent soil productivity enhances yield and resilience of rice farming systems(CN)**, China Sciencepaper, 2016, DOI: 10.3969/j.issn.2095-2783.2016.09.012

**Innovation and application of Integrated soil-crop system management technology(CN)**, Beijing/China Agricultural University Press. 2017, ISBN: 9787565514883



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**Basic research on high yield cultivation and efficient utilization of resources for main cropping systems(CN)**, Beijing/China Agriculture Press. 2013, ISBN: 9787109183933