



INSTITUTE OF AGRICULTURAL RESOURCES  
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### Research Interests

- Digital agriculture
- Precision agriculture
- Agricultural land systems

### Publication

**A cultivated planet in 2010: 1. the global synergy cropland map**, Earth System Science Data, 2020, DOI: 10.5194/essd-12-1913-2020

**A cultivated planet in 2010: 2. the global gridded agricultural production maps**, Earth System Science Data, 2020, DOI: 10.5194/essd-12-3545-2020

**Rasmussen M O. An improved method for separating soil and vegetation component temperatures based on diurnal temperature cycle model and spatial correlation**, Remote Sensing of Environment, 2020, DOI: 10.1016/j.rse.2020.111979

**Food traceability systems from a governmental, corporate, and consumer perspective in the European Union and China: A comparative review**, Trends in Food Science & Technology, 2020, DOI: 10.1016/j.tifs.2020.03.025

**Rice production and climate change in Northeast China: evidence of adaptation through land**



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**use shifts**, Environmental Research Letters, 2019, DOI: 10.1088/1748-9326/aafa55

**Mapping dynamics of soil organic matter with MODIS data and machine learning algorithms**, Science of the Total Environment, 2019, DOI: 10.1016/j.scitotenv.2019.03.151

**Importing food damages domestic environment: Evidence from global soybean trade**, PNAS, 2018, DOI: 10.1073/pnas.1718153115

**Harvested area gaps in China between 1981 and 2010: effects of climatic and land management factors**, Environmental Research Letters, 2018, DOI: 10.1088/1748-9326/aaafe0

**Land cover change detection by integrating object-based blending model of Landsat and MODIS**, Remote Sensing of Environment, 2016, DOI: 10.1016/j.rse.2016.07.028

