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### Research Interests

- Smart agriculture
- Remote sensing
- Environmental modeling
- Land use
- Sustainability

### Publication

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

**Changes in global cropland area and cereal production:An inter-country comparison**,Agriculture, Ecosystems & Environment,2019, DOI:10.1016/j.agee.2018.09.031

**Environmental cognitions mediate the causal explanation of land change**,Journal of Land Use Science,2018, DOI:10.1080/1747423X.2019.1567837

**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



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**GlobeLand30 shows little cropland area loss but greater fragmentation in China**, International Journal of Applied Earth Observation and Geoinformation, 2018, DOI:10.1016/j.jag.2017.11.002

**Assessing the harvested area gap in China**, Agricultural Systems, 2017, DOI:10.1016/j.agsy.2017.02.003

**eFarm: A tool for better observing agricultural land systems**, Sensors, 2017, DOI:10.3390/s17030453

**Interpretation of climate change and agricultural adaptations by local household farmers: A case study at Bin County, Northeast China**, Journal of Integrative Agriculture, 2014, DOI:10.1016/S2095-3119(14)60805-4

**A survey-based exploration of land-system dynamics in an agricultural region of Northeast China**, Agricultural Systems, 2013, DOI:10.1016/j.agsy.2013.06.006

**Proposing an interdisciplinary and cross-scale framework for global change and food security researches**, Agriculture, Ecosystems & Environment, 2012, DOI:10.1016/j.agee.2012.04.026