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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

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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