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### Research Interests

- Smart agriculture
- Deep learning
- Image classification
- Autonomous robot
- SLAM and 3D mapping

### Publication

**Unsupervised Global Urban Area Mapping via Automatic Labeling from ASTER and PALSAR Satellite Images**,Remote Sensing,2015, DOI:10.3390/rs70202171

**Improved Wallis Dodging Algorithm for Large-Scale Super-Resolution Reconstruction Remote Sensing Images**,Sensors,2017, DOI:10.3390/s17030623

**Learning discriminative spatiotemporal features for precise crop classification from multi-temporal satellite images**, International Journal of Remote Sensing, 2019, DOI:10.1109/SPCOM.2016.7746695

**Machine learning based fast multi-layer liquefaction disaster assessment**,World Wide



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Web,2019, DOI:10.1007/s11280-018-0632-8

**3D Convolutional Neural Networks for Crop Classification with Multi-Temporal Remote Sensing Images**, Remote Sensing, 2018, DOI:10.3390/rs10010075

**Accurate detection of fruit trees using a set of unmanned aerial vehicle(UAV) imageries(CN)**,China Agriculture Information,2019,DOI:10.12105/j.issn.1672-0423.20190402

**EasyIDP: A python package for intermediate data processing in 3D based plant phenotyping**, Plant method,2020, DOI:10.21203/rs.3.rs-138511/v1

**Wheat lodging identification using DSM by drone(CN)**,China Agriculture Information,2019, DOI:10.12105/j.issn.1672-0423.20190404

**The precise management of orchard production driven by the remote sensing big data with the SAGI(CN)**,China Agriculture Information,2019, DOI:10.12105/j.issn.1672-0423.20190401

**UAV-BASED CROPS CLASSIFICATION WITH JOINT FEATURES FROM ORTHOIMAGE AND DSM DATA**,The ISPRS Technical Commission III Midterm Symposium on "Developments, Technologies and Applications in Remote Sensing", 2018, DOI:10.5194/isprs-archives-XLII-3-1023-2018