



INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

Yang Peng



Professor



Ph.D. Supervisor



86-10-82109641



yangpeng@caas.cn



Innovation Team of Smart Agriculture, IARRP, CAAS



Quhua Building, 12 Zhongguancun Nandajie Street, Haidian District, Beijing, China

Research Interests

- Global change
- Climate and agriculture
- Remote sensing
- Land system science
- Crop mapping and monitoring

Publication

Spatiotemporal Dynamics of the Northern Limit of Winter Wheat in China Using MODIS Time Series Images, Remote Sensing, 2020, DOI: 10.3390/rs12152382

Winter wheat LAI inversion considering morphological characteristics at different growth stages coupled with microwave scattering model and canopy simulation model, Remote Sensing of Environment, 2020, DOI: 10.1016/j.rse.2020.111681

Rice production and climate change in Northeast China: evidence of adaptation through land use shifts, Environmental Research Letters, 2019, DOI: 10.1088/1748-9326/aafa55

A phenology-based spectral and temporal feature selection method for crop mapping from



INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

satellite time series, International Journal of Applied Earth Observation and Geoinformation, 2019, DOI: 10.1016/j.jag.2019.04.014

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

Spatio-temporal analysis of the geographical centroids for three major crops in China from 1949 to 2014, Journal of Geographical Sciences, 2018, DOI: 10.1007/s11442-018-1536-3

Spatiotemporal changes of cropping structure in China during 1980 - 2011, Journal of Geographical Sciences, 2018, DOI: 10.1007/s11442-018-1535-4

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

Extending the Pairwise Separability Index for Multicrop Identification Using Time-Series MODIS Images, IEEE Transactions on Geoscience and Remote Sensing, 2016, DOI: 10.1109/tgrs.2016.2581210

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