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Research Interests

- Plant nutrition diagnosis
- Hyperspectral techenology
- Fertilization

Publication

Nitrogen vertical distribution and status estimation using spectral data in maize, Communications in Soil Science & Plant Analysis,2018, DOI: 10.1080/00103624.2018.1424893

Hyper-spectral characteristics and classification of farmland soil in northeast of China, Journal of Integrative Agriculture, 2015, DOI: 10.1016/S2095-3119(15)61232-1

Canopy Spatial Distribution and Identification Using Hyperspectral Data in Winter Wheat, Communications in Soil Science and Plant Analysis, 2009, DOI: 10.1080/00103620902754598

Differentiating wheat varieties with different leaf angle distributions Using NDVI and canopy cover, New Zealand Journal of Agricultural Research, 2007, DOI: 10.1080/00288230709510397

Hyperspectral extraction of soil organic matter content based on principle component regression, New Zealand Journal of Agricultural Research, 2007, DOI: 10.1080/00288230709510399



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Identification of Wheat Canopy Structure Using Hyperspectral Data, Agricultural Sciences in
China, 2005

**Basis and application of main nutrients monitoring in soil and plant using hyperspectral
techenology(CN)**, China Agricultral Press, 2019, ISBN: 978-7-109-25972