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### Research Interests

- Food traceability system
- Agri-food cold chain precise control
- Agri-food smart supply chain management
- Blockchain application in agriculture

### Publication

**Food traceability system from governmental, corporate, and consumer perspectives in the European Union and China: A comparative review**,Trends in Food Science and Technology,2020, DOI:10.1016/j.tifs.2020.03.025

**Traceability in food processing: problems, methods, and performance evaluations — a review**,Critical Reviews in Food Science and Nutrition,2020, DOI:10.1080/10408398.2020.1825925

**Filling the trust gap of food safety in food trade between the EU and China: An interconnected conceptual traceability framework based on blockchain**,Food and Energy Security,2020, DOI:10.1002/fes3.249

**Improving continuous traceability of food stuff by using barcode-RFID bidirectional transformation equipment: Two field experiment**, Food Control, 2019,



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DOI:10.1016/j.foodcont.2018.12.002

**Cloud-based system for rational use of pesticide to guarantee the source safety of traceable vegetables**, Food Control, 2018, DOI:10.1016/j.foodcont.2017.12.015

**Comprehensive and quantifiable granularity: A novel model to measure agro-food traceability**, Food Control, 2017, DOI:10.1016/j.foodcont.2016.11.034

**Optimization of QR code readability in movement state using response surface methodology for implementing continuous chain traceability**, Computers and Electronics in Agriculture, 2017, DOI:10.1016/j.compag.2017.05.009

**Computational fluid dynamic study of thermal effects of open doors of refrigerated vehicles** , Journal of Food Process Engineering, 2016, DOI:10.1111/jfpe.12662

**A real-time agro-food authentication and supervision system on a novel code for improving traceability credibility** , Food Control, 2016, DOI:10.1016/j.foodcont.2016.01.032

**Farm and environment information bidirectional acquisition system with individual tree identification using smartphones for orchard precision management**, Computers and Electronics in Agriculture, 2015, DOI:10.1016/j.compag.2015.06.003

**Agro-food quality safety management traceability-Theory, technologies and application (CN)**, Beijing/China Science Publishing & Media Ltd, 2016, ISBN:9787030488350