



INSTITUTE OF AGRICULTURAL RESOURCES
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Research Interests

- Soil fertility evolution, fertilization and degradation restoration
- Demonstration of green and high-yield cultivation techniques for rice
- Soil carbon, nitrogen, and phosphorus nutrient cycles in upland red soil

Publication

Interaction of liming and long-term fertilization increased crop yield and phosphorus use efficiency (PUE) through mediating exchangeable cations in acidic soil under wheat-maize cropping system, *Scientific Reports*, 2020, DOI:10.1038/s41598-020-76892-8

Polyolefin-coated urea improves nitrogen use efficiency and net profitability of rice-rice cropping systems, *International Journal of Agriculture & Biology*, 2015, DOI:10.17957/IJAB/15.0036

Soil organic matter content and its relationship with pH and bulk density in agricultural areas of China (CN), *Journal of Soil and Water Conservation*, 2020, DOI:10.13870/j.cnki.stbcbx.2020.06.035

Spatio-temporal variations of soil organic matter in paddy soil and its driving factors in China (CN), *Scientia Agricultura Sinica*, 2020, DOI:10.3864/j.issn.0578-1752.2020.12.009



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Change of phosphorus in red soil and its effect to grain yield under long-term different fertilizations (CN) ,Scientia Agricultura Sinica,2019,DOI: 10.3864/j.issn.0578-1752.2019.21.012

The dynamics of organic carbon and nitrogen in the deep soil profile and crop yields under long-term fertilization within the wheat-maize cropping system,Journal of Integrative Agriculture ,2020, DOI: 10.1016/S2095-3119(20)63501-8

Quality evolution of red soil and fertilization technology(CN), Beijing/China Agricultural Science and Technology press, 2015, ISBN:978-7-5116-1958-7