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Research Interests

- **Plant nutrition**
- **New Fertilizer innovation research**
- **Fertilization technology innovation research**
- **Soil fertity and microbial ecology**

Publication

Mineral soil conditioner requirement and ability to adjust soil acidity, Scientific Reports, 2020, DOI: 10.1038/s41598-020-75192-5

Meta-analysis on the effects of low molecular weight organic acids on increasing availability of soil phosphorus(CN), Journal of Plant Nutrition and Fertilizers, 2019, DOI: 10.11674/zwyf.19330

Response of soil organic nitrogen fractions and enzyme activities to cattle manure addition in long-term fertilized fluvo-aquic soil(CN), Journal of Plant Nutrition and Fertilizers, 2019, DOI: 10.11674/zwyf.18516

Soil labile organic carbon fractions and soil organic carbon stocks as affected by long-term organic and mineral fertilization regimes in the North China Plain, Soil and Tillage Research, 2018, DOI: 10.1016/j.still.2017.08.008

Temperature effects on soil organic carbon, soil labile organic carbon fractions, and soil enzyme activities under long-term fertilization regimes, Applied Soil Ecology, 2016, DOI: 10.1016/j.apsoil.2016.02.004

Effects of cattle manure addition on soil organic carbon mineralization and priming effects under long-term fertilization regimes(CN), Transactions of the Chinese Society of Agricultural Engineering, 2016, DOI: 10.11975/j.issn.1002-6819.2016.z2.016

Soil microbial community structure and function are significantly affected by long-term organic and mineral fertilization regimes in the North China Plain, Applied Soil Ecology, 2015, DOI: 10.1016/j.apsoil.2015.07.001

Microbial community structure and functional metabolic diversity are associated with organic carbon availability in an agricultural soil, Journal of Integrative Agriculture, 2015, DOI: 10.1016/S2095-3119(15)61229-1

Effects of long-term combined application of organic and mineral fertilizers on microbial biomass, soil enzyme activities and soil fertility, Agricultural Sciences in China, 2008, DOI: 10.1016/S1671-2927(08)60074-7

Fertilization systems and land use sustainability(CN), Beijing/China Science Publishing & Media Ltd, 2012, ISBN: 978-7-03-035764-9