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Research Interests

- **Digital soil development and digital soil mapping**
- **Soil quality assessment and spatio-temporal evolution**
- **Evaluation of soil suitability of production area**
- **Soil nutrition management**

Publication

Quality Control of Soil Map Database at 1:50 000 Scale in China(CN), Scientia Agricultura Sinica, 2018, DOI: 10.3864/j.issn.0578-1752.2018.22.008

Research on Spatial Distribution of Soil Particle Size Distribution in Loess Region Based on Three Spatial Prediction Methods—Taking Haiyuan County in Ningxia as an Example(CN), Scientia Agricultura Sinica, 2020, DOI: 10.3864/j.issn.0578-1752.2020.18.008

Spatial and temporal variation of SOM and cause analysis in Hainan Island in resent 30 years(CN), Scientia Agricultura Sinica, 2019, DOI: 10.3864/j.issn.0578-1752.2019.06.007

Research on spatial distribution of soil organic matter in Hainan Island based on three spatial prediction models(CN), Acta Pedologica Sinica, 2018, DOI: 10.11766/trxb201710240410

Construction of a color matching model for soil types and its application to soil mapping(CN), Acta Pedologica Sinica, 2015, DOI: 10.11766/trxb201404300207

Spatial prediction of soil total nitrogen by different methods in large scale—A case study of Hainan island(CN), Soil and Fertilizer Sciences in China, 2015, DOI: 10.11838/sfsc.20150602

Nitrgon losses under simulated rainfall conditions in different cropping lands of Taihu lake region(CN), Plant nutrition and fertilizer science, 2010

Phosphorus leaching losses in different planting farmlands in the riverne plain area if Taihu lake, 2009, Plant nutrition and fertilizer science

Effects of manure on soil nitrogen components and nitrogen loss from farmland in North China(CN), Soil and Fertilizer Sciences in China, 2011

Study on nitrogen leaching in farmlands with different crops in riverine plain area of Taihu lake, Journal of Nanjing agricultural university, 2009

Environmental suitability assessment and regional division of organic products(CN), Beijing/China Science Publishing & Media Ltd. 2019, ISBN: 978-7-03-062479-6