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Research Interests

- **Straw returning techniques and environmental effect**
- **Mechanism of saline-alkali soils amelioration**
- **Farming system**
- **Crop ecology**

Publication

Grain shape as a predictor of salt tolerance in Sunflower, Agronomy journal, 2016, DOI: 10.2134/ agronj2016.04.0191

Depth of stover layer for salt management influences sunflower production in saline soils, Crop science, 2016, DOI: 10.2135/cropsci2015.05.0305

Long-term performance of flue gas desulfurization gypsum in a large-scale application in a saline-alkali wasteland in northwest China,Agriculture, Ecosystems and Environment, 2018, DOI: 10. 1016/j.agee.2018.01.009

Extensive reclamation of saline-sodic soils with flue gas desulfurization gypsum on the Songnen Plain, Northeast China, Geoderma, 2018, DOI: 10.1016/j.geoderma.2018.01.033

Effects of pelletized straw on soil nutrient properties in relation to crop yield, Soil Use and Management, 2018, DOI: 10.1111/sum.12450

Types of stover layers used for salt management influence sunflower production in saline soils, Crop science, 2018, DOI: 10.2135/cropsci2017.11.0660

Combined application of a straw layer and flue gas desulphurization gypsum to reduce soil salinity and alkalinity, Pedosphere, 2020, DOI: 10.1016/S1002-0160(17)60480-6

Returning granulated straw for accelerating decomposition rate and improving soil fertility(CN), Transactions of the Chinese Society of Agricultural Engineering(Transactions of the CSAE), 2017, DOI: 10.11975/j.issn.1002-6819.2017.06.023

Botanical illustration of plants in salinization land in the Hetao Plain and Erdos Plateau(CN), Beijing/China agricultural science and technology press. 2017, ISBN: 978-7-5116-3403-0

Technical regulations for ameliorating saline soil in the upper-middle reach of Yellow River(CN), Beijing/China agricultural science and technology press. 2019, ISBN: 978-7-5116-3528-0