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Research Interests

- New fertilizer development
- Fertilizer application technology
- Fertilizer resources

Publication

Characterization of pH-fractionated humic acids derived from Chinese weathered coal,Chemosphere,2017, DOI:10.1016/j.chemosphere.2016.09.095

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Combining humic acid with phosphate fertilizer affects humic acid structure and its stimulating efficacy on the growth and nutrient uptake of maize seedlings, Scientific reports, 2020, DOI:10.1038/s41598-020-74349-6

Effects of humic acid urea on maize yield and the fate of fertilizer nitrogen(CN), Journal of Plant Nutrition and Fertilizer, 2017, DOI:10.11674/zwyf.17046

Contents of the main metabolites in maize affected by humic acids with different molecular weight derived from weathered coal(CN), Journal of Plant Nutrition and Fertilizers, 2019, DOI:10.11674/zwyf.18403

New Fertilizers, Bei jing/Science press, 2013, ISBN:978-7-03-038832-2

Overview of Value-added Fertilizer, China Science & Technology Press, 2020, ISBN:978-7-5116-5070-2