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单位地址	南京市浦口区点将台路 40 号	邮编	210031	
研究领域	农业废弃物的综合利用			
社会兼职	美国生物与农业工程学会(ASABE), 会员, 2014 年至今; 中国农业工程学会, 会员, 2007 年至今			
承担项目	<p>1、国家自然科学基金青年项目: 还田后秸秆腐解对土壤真核微生物细胞自噬的影响及机制(主持, 编号: 41301261), 在研</p> <p>2、江苏省自然科学基金青年项目: 基于细胞自噬的还田后秸秆腐解抑制土传病害的机理研究(主持, BK20130680), 在研</p> <p>3、国家科技支撑计划子课题: 土壤肥力培育机械化关键技术研究与示范(2013BAD08B04-1), 在研</p> <p>4、南京市生物农业项目: 秸秆腐熟菌剂的产业化开发及机械化撒施试验示范(主持, 苏农财[2013]116 号宁财农[2013]727 号), 在研</p>			
学术成果	<p>近期主要论文:</p> <p>(1) Yutao Liu, Sanqin Zhao, Qi Zhu, Weimin Ding. Image grey value analysis for estimating the effect of microorganism inoculants on straws decomposition, <i>Computers and Electronics in Agriculture</i>. 2016, 128: 120-126.</p> <p>(2) Shenshen Zou*, Yutao Liu*, Caiyun Zhang, Sidney Yu and Yongheng Liang. Bet3 participates in autophagy through GTPase Ypt1 in <i>Saccharomyces cerevisiae</i>, <i>Cell Biology International</i>. 2015, 39, 466-474(* 共同第一作者).</p> <p>(3) Zou S*, Liu Y*, Zhang X*, Chen Y, Ye M, Zhu X, Yang S, Lipatova Z, Liang Y*, Segev N*. Modular TRAPP complexes regulate intracellular protein trafficking through multiple Ypt/Rab GTPases in <i>S. cerevisiae</i>. <i>Genetics</i>, 2012, 191 (2): 451-460(* 共同第一作者).</p> <p>授权专利:</p> <p>(1) 刘玉涛, 丁为民, 陈玉仑, 高瑾. 一种基于荧光蛋白分布比例的土壤内可利用氮素的检测方法. 专利号: ZL 2014 1 0071519.9 (发明专利, 已授权)</p> <p>(2) 尚帅楠, 刘玉涛, 朱奇, 荣昭强. 一种基于 STM32 单片机的分布式多点温度检测监控存储系统. 专利号: ZL 2015 2 0969055.3 (实用新型, 已授权)</p>			

Teaching staff/ Personal information

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Research field	Comprehensive Utilization of Agricultural Residues.			
Social appointments	2014-Present: Member of ASABE 2007-Present: Member of CSAE			
Research projects	<p>(1) NSFC Project: Effects of straw decomposition on autophagy in soil eukaryotic microorganism groups after straw returning and the effect mechanism (PI, in progress).</p> <p>(2) Jiangsu Natural Science Foundation Project: The mechanism of the inhibition to soil-borne disease during the straw decomposition after returning to field from the view of autophagy (PI, in progress).</p> <p>(3) National Scientific and Technological Support Project: Study on the key technologies and set examples for the mechanization of improving and culturing soil fertilization (Participant, in progress).</p> <p>(4) Project from Agricultural Commission, Nanjing Municipal Government: Study on the utilization of microorganisms for decomposing straw in fields and the spray technology by machines (PI, in progress)</p>			
Academic achievements	<p>Publications:</p> <p>(1) Yutao Liu, Sanqin Zhao, Qi Zhu, Weimin Ding. Image grey value analysis for estimating the effect of microorganism inoculants on straws decomposition, Computers and Electronics in Agriculture. 2016, 128: 120-126.</p> <p>(2) Shenshen Zou*, Yutao Liu*, Caiyun Zhang, Sidney Yu and Yongheng Liang. Bet3 participates in autophagy through GTPase Ypt1 in <i>Saccharomyces cerevisiae</i>, Cell Biology International. 2015, 39, 466-474(* Co-1st author).</p> <p>(3) Zou S*, Liu Y*, Zhang X*, Chen Y, Ye M, Zhu X, Yang S, Lipatova Z, Liang Y*, Segev N*. Modular TRAPP complexes regulate intracellular protein trafficking through multiple Ypt/Rab GTPases in <i>S. cerevisiae</i>. Genetics, 2012, 191 (2) : 451-460(*Co-1st author).</p> <p>Patents:</p> <p>(1) The methods to measure the content of available nitrogen in soil on the distribution ratio of fluorescent protein in cell. No. ZL 2014 1 0071519.9 (Invention model patent)</p>			

	(2) One system for detection and storage of multi-point temperature on STM32. ZL 2015 2 0969055.3 (Utility model patent)
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