



目 次

◆ 专论与综述

- 土壤活性有机质组分的光谱分析方法及应用 周 萌, 肖 扬, 刘晓冰 (1093)
- 我国不同尺度烤烟种植区划与思考 谢新乔,
李湘伟, 朱云聪, 田育天, 胡保文, 杨继周, 王丹丹, 梅玲丽, 王美艳, 史学正, 柳成柱, 景元书 (1105)

◆ 研究报告

- 籼粳杂交稻高效吸收氮素的相关机理研究
..... 陈 贵, 陈 梅, 朱静娜, 胡文凌, 章 斐, 张红梅, 王士磊, 施卫明, 程旺大 (1113)
- 外源蔗糖对高 NH_4^+ 胁迫下拟南芥碳氮代谢的影响 李 伟, 杨顺瑛, 郝东利, 苏彦华 (1120)
- CO_2 浓度与氮磷供应水平对黄瓜根系生长及各组织矿质养分含量的影响
..... 陈雨娇, 李 汛, 田兴军, 段增强 (1129)
- 长期施肥对酸性土壤磷形态及有效性的影响 颜晓军, 苏 达, 郑朝元, 叶德练, 吴良泉 (1139)
- 穴施条件下肥料养分在土壤中迁移规律的初步研究 张 磊, 宋 航, 陈小琴, 卢殿君, 王火焰 (1145)
- 水稻生物硝化抑制剂 1,9-癸二醇的定量方法优化 张晓楠, 陆玉芳, 杨 婷, 施卫明 (1152)
- 高耐铝红酵母 RS1 的红外光谱和拉曼光谱研究 程 思, 王 超, 沈仁芳 (1158)
- 基于激光吸收光谱技术的太湖流域稻田氨挥发研究
..... 阙华礼, 杨文亮, 王书伟, 丁世杰, 邵玲玲, 朱安宁 (1164)
- 生物质炭添加对不同 pH 紫色土硝化作用及 N_2O 排放的影响 王 启, 兰 婷, 赖晶晶, 高雪松 (1170)
- 江苏省‘苏翠 1 号’高产及中低产梨园土壤与叶片养分的差异研究
..... 王 莉, 叶小梅, 张应鹏, 王子臣, 奚永兰, 靳红梅 (1179)
- 桂北柑橘园土壤化学性状研究 张超博,
邱洁雅, 王 敏, 李有芳, 朱攀攀, 王 彤, 邓崇岭, 付行政, 凌丽俐, 刘升球, 陈传武, 彭良志 (1187)
- 围垦对崇明东滩湿地全程氨氧化微生物的影响
..... 宋怡轩, 金 锐, 张鑫磊, 张 洁, 贾仲君, 张耀鸿 (1196)
- 沼液对河西绿洲葡萄园土壤微生物功能多样性的影响 郝 燕, 李金霞, 孙小妹, 陈年来 (1203)
- 丛枝菌根真菌对镉胁迫下芦竹生长、光合特性和矿质营养的影响
..... 滕秋梅, 张中峰, 李红艳, 徐广平, 周龙武, 黄玉清 (1212)
- 水肥调控对二月兰和后茬花生养分累积及土壤肥力的影响
..... 赵彩衣, 王媛媛, 殷小冬, 董青君, 朱国梁, 刘满强, 李辉信, 胡 锋, 焦加国 (1222)
- 基于水稻产量的江苏省稻麦轮作区土壤质量评价
..... 赵 贺, 王绪奎, 刘绍贵, 高 飞, 李 鹏, 李其胜, 李辉信, 焦加国 (1230)
- 基于投影寻踪的土壤养分综合评价及影响因素研究
..... 张 彬, 杨联安, 杨粉莉, 王 辉, 谢贤健, 陈卫军 (1239)
- 滇中不同植物群落土壤养分及其计量比的变化特征 赵洛琪, 付登高, 吴晓妮, 朱安琪, 徐子萱 (1248)
- 酸角人工林不同坡位土壤有机碳及其活性组分的变化
..... 王艳丹, 何光熊, 宋子波, 张梦寅, 杨淦舟, 史亮涛 (1256)
- 柠檬酸对珊瑚砂溶蚀过程及机理研究 李鹏飞, 刘 云, 李越焯, 潘 杰, 王 萍, 董元华 (1263)
- 有机肥施用量对残塍沟壑区苹果园土壤优先流特征的影响 孟凡旭,
王树森, 马迎梅, 张淑媛, 秦富仓, 罗于洋, 王迪海, 郭 宇, 郭向东, 程冀文, 张 娜, 张 平 (1272)
- 西安地区主要粮食作物水分生产率时空分布特性研究 李 涛, 张建丰, 高景灏 (1281)
- 广西水耕人为土黏粒矿物组成及其空间分布特征
..... 欧锦琼, 黄伟濠, 卢 瑛, 李 博, 阳 洋, 唐 贤, 贾重建, 秦海龙 (1290)
- 基于特征变量与支持向量机回归克里格(SVRK)法的湿地土壤有机质空间变异特征分析
..... 陈思明, 王 宁, 秦艳芳, 张红月 (1298)
- ◆ 研究简报
- 民勤绿洲灌区保护性耕作对土壤风蚀与土壤物理性质的影响
..... 李银科, 李菁菁, 周兰萍, 刘光武, 张芝萍, 张进虎, 郑庆钟 (1306)

CONTENTS

Methods and Applications of Spectral Analysis for Soil Labile Organic Matter Components.....	ZHOU Meng, XIAO Yang, LIU Xiaobing (1093)
Research Progresses and Consideration on Flue-cured Tobacco Planting Regionalization in China.....	XIE Xinqiao, LI Xiangwei, ZHU Yuncong, TIAN Yutian, HU Baowen, YANG Jizhou, WANG Dandan, MEI Lingli, WANG Meiyan, SHI Xuezheng, LIU Chengzhu, JING Yuanshu (1105)
Mechanism of High N Uptake Efficiency in Indica-japonica Hybrid Rice.....	CHEN Gui, CHEN Mei, ZHU Jingna, HU Wenling, ZHANG Fei, ZHANG Hongmei, WANG Shilei, SHI Weiming, CHENG Wangda (1113)
Effect of Exogenous Sucrose on Nitrogen and Carbon Metabolism of <i>Arabidopsis</i> Under High NH_4^+ Stress.....	LI Yi, YANG Shunying, HAO Dongli, SU Yanhua (1120)
Effects of Atmospheric CO_2 Concentration, Nitrogen and Phosphorus Levels on Root Growth and Mineral Nutrient Concentrations in Different Organs of Cucumber.....	CHEN Yujiao, LI Xun, TIAN Xingjun, DUAN Zengqiang (1129)
Effects of Long-term Fertilization on Phosphorus Forms and Availability in Acid Soils.....	YAN Xiaojun, SU Da, ZHENG Chaoyuan, YE Delian, WU Liangquan (1139)
Primary Study on Nutrient Migration Under Hole Fertilization in Soils.....	ZHANG Lei, SONG Hang, CHEN Xiaoqin, LU Dianjun, WANG Huoyan (1145)
Optimized Determination of Biological Nitrification Inhibitor 1,9-decanediol in Rice Root Exudates.....	ZHANG Xiaonan, LU Yufang, YANG Ting, SHI Weiming (1152)
Infrared Spectroscopy and Raman Spectroscopy Study on High Resistant Aluminum <i>Rhodotorula Taiwanensis</i> RS1.....	CHENG Si, WANG Chao, SHEN Renfang (1158)
Ammonia Emission from Paddy Field Measured by Laser Absorption Spectroscopy in Taihu Lake Region.....	QUE Huali, YANG Wenliang, WANG Shuwei, DING Shijie, SHAO Lingling, ZHU Anning (1164)
Effects of Biochar Application on Nitrification and N_2O Emission in Purple Soils with Different pH.....	WANG Qi, LAN Ting, LAI Jingjing, GAO Xuesong (1170)
Nutrient Differences in Soils and Leaves Between Yield-invigorating and -debilitating Pear Orchards of 'Sucui No.1' in Jiangsu Province.....	WANG Li, YE Xiaomei, ZHANG Yingpeng, WANG Zichen, XI Yonglan, JIN Hongmei (1179)
Study on Soil Chemical Properties of Citrus Orchards in Northern Guangxi.....	ZHANG Chaobo, QIU Jieya, WANG Min, LI Youfang, ZHU Panpan, WANG Tong, DENG Chongling, FU Xingzheng, LING Lili, LIU Shengqiu, CHEN Chuanwu, PENG Liangzhi (1187)
Effect of Reclamation on Abundance of Comammox Microorganism in Chongming Wetland.....	SONG Yixuan, JIN Rui, ZHANG Xinlei, ZHANG Jie, JIA Zhongjun, ZHANG Yaohong (1196)
Effects of Biogas Slurry on Soil Microbial Functional Diversity of Vineyard in Hexi Oasis.....	HAO Yan, LI Jingxia, SUN Xiaomei, CHEN Nianlai (1203)
Effects of Arbuscular Mycorrhizal Fungi on Growth, Photosynthesis Characteristics and Mineral Nutrition of <i>Arundo donax</i> Under Cd Stress.....	TENG Qiumei, ZHANG Zhongfeng, LI Hongyan, XU Guangping, ZHOU Longwu, HUANG Yuqing (1212)
Effects of Irrigation and Fertilization Regulation on Nutrient Accumulation of <i>Orychophragmus violaceus</i> and Succeeding Peanut and Soil Fertility.....	ZHAO Caiyi, WANG Yuanyuan, YIN Xiaodong, DONG Qingjun, ZHU Guoliang, LIU Manqiang, LI Huixin, HU Feng, JIAO Jiaguo (1222)
Evaluation of Soil Quality in Rice-Wheat Rotation Regions of Jiangsu Province Based on Rice Yield.....	ZHAO He, WANG Xukui, LIU Shaogui, GAO Fei, LI Peng, LI Qisheng, LI Huixin, JIAO Jiaguo (1230)
Study on Comprehensive Evaluation and Influencing Factors of Soil Nutrients Based on Projection Pursuit.....	ZHANG Bin, YANG Lianan, YANG Fenli, WANG Hui, XIE Xianjian, CHEN Weijun (1239)
Changes of Soil Nutrients and Stoichiometric Characteristics Under Different Vegetation Communities in Central Yunnan Province.....	ZHAO Luoqi, FU Denggao, WU Xiaoni, ZHU Anqi, XU Zixuan (1248)
Study on Soil Organic Carbon and Its Active Fractions at Different Slope Sites of <i>Tamarindus indica</i> Plantation.....	WANG Yandan, HE Guangxiong, SONG Zibo, ZHANG Mengyin, YANG Haozhou, SHI Liangtao (1256)
Study on Corrosion Process of Coral Sand by Citric Acid.....	LI Pengfei, LIU Yun, LI Yuexuan, PAN Jie, WANG Ping, DONG Yuanhua (1263)
Effects of Different Application Rates of Organic Fertilizer on Preferential Flow Characteristics in Orchard in Plateau Gully Region.....	MENG Fanxu, WANG Shusen, MA Yingmei, ZHANG Shuyuan, QIN Fucang, LUO Yuyang, WANG Dihai, GUO Yu, GUO Xiangdong, CHENG Jiwen, ZHANG Na, ZHANG Ping (1272)
Spatio-temporal Distribution of Crop Water Productivity in Xi'an Region.....	LI Tao, ZHANG Jianfeng, GAO Jinghao (1281)
Clay Mineral Composition and Spatial Distribution of Stagnic Anthosols in Guangxi.....	OU Jinqiong, HUANG Weihao, LU Ying, LI Bo, YANG Yang, TANG Xian, JIA Chongjian, QIN Hailong (1290)
Study on Spatial Variability of SOM in Estuary Wetland, Southeast China Based on Characteristic Variables and SVRK.....	CHEN Siming, WANG Ning, QIN Yanfang, ZHANG Hongyue (1298)
Effects of Conservation Tillage on Soil Wind Erosion and Soil Physical Properties in Minqin Oasis Irrigational Area.....	LI Yinke, LI Jingjing, ZHOU Lanping, LIU Guangwu, ZHANG Zhiping, ZHANG Jinghu, ZHENG Qingzhong (1306)