



目 次

◆专论与综述

- 农田土壤重金属污染现状与安全利用技术研究进展.....余琼阳, 李婉怡,
张 宁, 赵 玲, 王月梅, 宋家音, 马文亭, 张光华, 董荷玲, 於维维, 滕 应, 骆永明, 沈仁芳 (229)
连作障碍产生机理及防控现状苏 浩, 张锐澎, 吴思炫, 姚槐应, 李雅颖 (242)
苏打盐碱土壤黏粒分散特征研究进展.....罗雪娇, 王志春, 杨 帆 (255)
- ◆研究报告
- 水氮管理对黑土稻作土壤碳氮磷化学计量特征的影响....秦子元, 张忠学, 郑和祥, 畅利毛, 韩再慧, 杜思澄 (264)
长期不同施肥模式对大麦-双季稻田根际土壤有机氮组分的影响.....
.....郭 勇, 文 丽, 石丽红, 张腊梅, 程凯凯, 李 超, 郑华斌, 唐海明 (273)
基于文献计量的近 30 年堆肥氮排放和转化研究分析.....字 晓, 侯红阳, 沈宗专, 李 荣 (281)
亳州菊花生长与土壤肥力的关系
-王一帆, 陈小琴, 李词周, 赵百海, 王 疊, 查玉婕, 谢保光, 姜超强, 王火焰 (291)
白鹤滩水电站项目区土壤肥力评价及其空间变异.....
.....曹 涛, 周蓓蓓, 吴山山, 赵宇航, 崔 磊, 夏振尧, 任 远, 姚少雄 (300)
华南冬瓜主产区土壤镁素淋洗损失规律.....
.....焦加斌, 李金隆, 李 静, 常静静, 陈 潘, 宋 刹, 栗 振, 张白鸽 (309)
外源钾铝对不同镁肥在砖红壤中淋溶的影响.....
.....熊章裕, 陈慧涓, 何业柳, 姚 婧, 范晓红, 陈璐俊杰, 耿建梅 (319)
连续施用不同种类生物质炭对植烟土壤养分的影响.....
.....肖和友, 朱 伟, 郑生猛, 刘聪聪, 何祥春, 刘 蓉, 张赐喜, 刘娜梅, 刘 旭, 唐 涛, 陈立军 (326)
化肥减量配施有机肥对花生土壤有机碳及其组分的影响.....
.....张 慧, 王 斌, 孙九胜, 孙 晨, 槐国龙, 崔 磊 (333)
免耕对不同麦玉轮作农田土壤碳组分及理化性质的影响.....
.....田 琦, 杨彩红, 吴建东, 李艳翠, 刘育秉, 姜晓敏, 崔文强 (342)
山东省不同植被类型土壤有机碳及其组分分布特征 ...张金硕, 李素艳, 孙向阳, 周文志, 赵冠宇, 白雪亭 (350)
健康与患病河蟹池塘底泥微生物群落特征差异.....陈友明, 葛家春, 李建刚, 夏爱军, 马行空, 董元华 (358)
有机物料对农田土壤肥力及镉有效性的影响.....曹雪莹, 谭长银, 杨 佳, 赵信林, 张培育, 马 军 (367)
施苯菌灵抑制丛枝菌根真菌对污染土壤-玉米系统镉迁移的影响.....
.....陈起跃, 曾文增, 梁新然, 王 磊, 何永美, 和成忠, 涂春霖, 湛方栋 (375)
不同水稻品种对五氯酚钠的吸收累积特征.....武桃旗, 苏傲雪, 李学宁, 谢广雪, 宋欣录, 徐 艳 (382)
重庆市植烟土壤质量评价指标体系的构建与应用.....代先强, 周 嵘, 周鑫斌, 冉 茂 (388)
滨海垦区表层盐渍土理化性质和盐分离子动态特征.....
.....路 迅, 李建国, 潘 霞, 岳亚朋, 王松林, 左希爱, 徐 璐 (398)
基于贝叶斯最大熵的黄河三角洲土壤含盐量空间分布预测.....杨 清, 范晓梅, 王林林, 唐 影 (406)
玉米农田行尺度土壤热特性变异特征及其对土壤含水量和温度的响应王月月, 任图生 (415)
典型植物根系对紫色土化学属性和化学蚀变指数的影响.....李 雪, 李春培, 李永梅, 范茂攀, 赵吉霞 (425)
- ◆研究简报
- 污泥生物质炭对杨树人工林土壤环境质量的影响.....白莉萍, 徐国庆 (433)
基于碳承载力对河南省能源消费碳排放及其驱动因素的研究.....
.....陶 勤, 王世航, 徐胜祥, 杨 震, 赵明松, 王 奇, 邓 良 (439)
晋西黄土区不同入渗水量下刺槐林地优先流特征.....
.....宋艺琳, 毕华兴, 赵丹阳, 巩大鹏, 王 宁, 刘泽晖, 黄靖涵 (448)

CONTENTS

Present Pollution Status and Safe Utilization Technologies of Heavy Metal-polluted Farmland Soil: A Review	YU Qiongyang, LI Wanyi, ZHANG Ning, ZHAO Ling, WANG Yuemei, SONG Jiayin, MA Wenting, ZHANG Guanghua, DONG Heling, YU Weiwei, TENG Ying, LUO Yongming, SHEN Renfang (229)
Mechanisms of Continuous Cropping Obstacles and Current Situation of Prevention and Control.....	SU Hao, ZHANG Ruipeng, WU Sixuan, YAO Huaiying, LI Yaying (242)
Research Progress on Clay Dispersion Characteristics of Saline-sodic Soil	LUO Xuejiao, WANG Zhichun, YANG Fan (255)
Effects of Water and Nitrogen Management on Stoichiometric Characteristics of Soil Carbon, Nitrogen and Phosphorus in Rice Farming Area Black Soil	QIN Ziyuan, ZHANG Zhongxue, ZHENG Hexiang, CHANG Limao, HAN Zaihui, DU Sicheng (264)
Effects of Long-term Application of Fertilizers on Rhizosphere Soil Organic Nitrogen Fraction in Barley-Double Cropping Rice Field	GUO Yong, WEN Li, SHI Lihong, ZHANG Lamei, CHENG Kaikai, LI Chao, ZHENG Huabin, TANG Haiping (273)
Analysis of Research on Nitrogen Emissions and Conversion from Composting in Past 30 Years Based on Bibliometrics	ZI Xiao, HOU Hongyang, SHEN Zongzhan, LI Rong (281)
Soil Fertility Evaluation and Its Relationship with Growth of <i>Chrysanthemum Morifolium</i> in Bozhou, China	WANG Yifan, CHEN Xiaoqin, LI Cizhou, ZHAO Baihai, WANG Tao, ZHAO Yujie, XIE Baoguang, JIANG Chaoqiang, WANG Huoyan (291)
Assessment of Soil Fertility and Spatial Variation in Project Area of Baihetan Hydropower Station	CAO Tao, ZHOU Beibei, WU Shanshan, ZHAO Yuhang, CUI Lei, XIA Zhenyao, REN Yuan, YAO Shaoxiong (300)
Study on Soil Magnesium Leaching Loss in Main Producing Areas of Wax Gourd in South China	JIAO Jiabin, LI Jinlong, LI Jing, CHANG Jingjing, CHEN Xiao, SONG Zhao, LI Zhen, ZHANG Baige (309)
Effect of Exogenous Potassium and Aluminum on Magnesium Leaching from Different Magnesium Fertilizers in Latosol	XIONG Zhangyu, CHEN Huijuan, HE Yeliu, YAO Jing, FAN Xiaohong, CHEN-LU Junjie, GENG Jianmei (319)
Effects of Continuous Application of Different Biochars on Tobacco-planting Soil Nutrients	XIAO Heyou, ZHU Wei, ZHENG Shengmeng, LIU Congcong, HE Xiangchun, LIU Rong, ZHANG Cixi, LIU Namei, LIU Xu, TANG Tao, CHEN Lijun (326)
Effects of Chemical Fertilizer Reduction Combined with Organic Fertilizer on Soil Organic Carbon and Its Components in Peanut Soil	ZHANG Hui, WANG Bin, SUN Jusheng, SUN Chen, HUAI Guolong, CUI Lei (333)
Effects of No-till on Soil Carbon Components and Physicochemical Properties Under Different Wheat-Maize Rotation Fields	TIAN Kun, YANG Caihong, WU Jiandong, LI Yanpei, LIU Yubing, JIANG Xiaomin, CUI Wenqiang (342)
Characteristics of Soil Organic Carbon and Its Components Under Different Vegetation Types in Shandong Province	ZHANG Jinshuo, LI Suyan, SUN Xiangyang, ZHOU Wenzhi, ZHAO Guanyu, BAI Xueting (350)
Study on Microbial Community Structure Differences Between Sediments in Healthy and Diseased Crab Ponds	CHEN Youming, GE Jiachun, LI Jiangang, XIA Aijun, MA Xingkong, DONG Yuanhua (358)
Effects of Organic Material on Farmland Soil Fertility and Cd Availability	CAO Xueying, TAN Changyin, YANG Jia, ZHAO Xinlin, ZHANG Peiyu, MA Jun (367)
Effect of Benomyl on Inhibition of Arbuscular Mycorrhizal Fungi on Cadmium Migration in Polluted Soil-Corn System	CHEN Qiyue, ZENG Wenzeng, LIANG Xinran, WANG Lei, HE Yongmei, HE Chengzhong, TU Chunlin, ZHAN Fangdong (375)
Uptake and Accumulation Characteristics of Sodium Pentachlorophenate (PCP-Na) in Different Rice Varieties	WU Guangqi, SU Aoxue, LI Xueling, XIE Guangxue, SONG Xinlu, XU Yan (382)
Construction and Application of Soil Quality Evaluation Index System for Tobacco Planting in Chongqing	DAI Xianqiang, ZHOU Rong, ZHOU Xinbin, RAN Mao (388)
Characteristics of Physicochemical Properties and Salt Ion Evolution of Surface Saline Soils in Coastal Reclamation Areas	LU Xun, LI Jianguo, PAN Xia, YUE Yapeng, WANG Songlin, ZUO Xiai, XU Lu (398)
Prediction of Spatial Distribution of Soil Salinity Content in Yellow River Delta Based on Bayesian Maximum Entropy Model	YANG Qing, FAN Xiaomei, WANG Linlin, TANG Ying (406)
Temporal and Spatial Variation of Thermal Properties in Row Scale and Their Responses to Soil Water Content and Temperature in Maize Field	WANG Yueyue, REN Tusheng (415)
Influence of Typical Plant Roots on Chemical Properties and Chemical Index Alteration of Purple Soil	LI Xue, LI Chunpei, LI Yongmei, FAN Maopan, ZHAO Jixia (425)
Effects of Sewage Sludge Biochar on Soil Environmental Quality of Poplar Plantation	BAI Liping, XU Guoqing (433)
Carbon Emission and Driving Factors of Energy Consumption in Henan Province Based on Carbon Carrying Capacity	TAO Qin, WANG Shihang, XU Shengxiang, YANG Zhen, ZHAO Mingsong, WANG Qi, DENG Liang (439)
Characteristic of Preferential Flow in <i>Robinia pseudoacacia</i> Forests in Loess Plateau in Western Shanxi Province Under Different Infiltration Conditions	SONG Yilin, BI Huaxing, ZHAO Danyang, GONG Dapeng, WANG Ning, LIU Zehui, HUANG Jinghan (448)