

Soils 土壤



2022
第 54 卷 6



目 次

◆专论与综述

新烟碱类杀虫剂降解特性研究进展 葛 玲, 王 新, 张亚楠 (1093)

◆研究报告

不同形态叶面施肥对水稻吸收和转运硒的影响 王 琪, 王雅琦, 万亚男, 李花粉 (1101)
贵州省清镇市土壤硒含量的分布及其影响因素

..... 柴冠群, 王国坤, 王 丽, 刘桂华, 罗沐欣键, 范成五, 王 虎 (1108)

喷施山梨醇螯合钙对花生生长及钾、钙、镁吸收的影响
..... 李腾升, 魏倩倩, 王文昊, 崔玉照, 谭慧婷, 孙 伟, 杨 羽, 张欢洋, 韩传浩, 颜冬云 (1117)生物有机肥对宁夏盐碱地土壤养分和生物学特性的影响
..... 司海丽, 纪立东, 李 磊, 勉有明, 朱 英, 刘菊莲, 尚红莺, 杨 洋 (1124)

升金湖沿湖不同土地利用方式下土壤有机质和养分变化特征 郭绍义, 王红新, 刘文彬, 陈 云 (1132)

灌丛化对干旱区草地土壤有机碳化学结构和热稳定性的影响
..... 张 宇, 刘耘华, 滕俐闯, 白崇皓, 盛建东 (1138)烟秆生物质炭与化肥配施对植烟土壤有机碳组分及微生物的影响
..... 张红雪, 朱巧莲, 郭力铭, 吴凤英, 毛艳玲 (1149)滨海盐渍化土壤中氨氧化微生物丰度和多样性特征
..... 宋延静, 张晓黎, 付 燕, 李 萌, 王 洁, 马 兰 (1157)三种城市景观竹土壤微生物群落结构特征 付 浩, 曾歆花, 宋志琳, 兰思仁, 黄卫昌 (1165)
不同类型粪肥还田对土壤酶活性及微生物群落的影响
..... 张 英, 武淑霞, 雷秋良, 翟丽梅, 王洪媛, 李 浩, 杨 波, 刘宏斌 (1175)土壤微生态在西瓜枯萎病发病过程中的变化研究
..... 郑明子, 杨丙烨, 杨晶晶, 俞仪阳, 姚协丰, 徐锦华, 郭建华, 蒋春号 (1185)除草剂苄嘧磺隆降解菌 *Hansschlegelia zhihuiae* S113 菌剂的研发
..... 滕 晓, 徐铭阳, 李锦涛, 田雁宁, 陈 洋, 黄 星 (1193)不同施肥处理下旱地红壤中阿特拉津的环境归趋及其调控研究
..... 董攀月, 陈禹竹, 曾 军, 林先贵, 骆永明, 吴宇澄 (1201)过硫酸盐在不同类型土壤中分解产生自由基的过程机制研究 彭 菲, 王肖磊, 方国东, 高彦征 (1210)
三种有机物料对稻田土壤汞甲基化及水稻汞积累的影响 杜舒阳, 丁昌峰, 王兴祥 (1219)锰改性猪粪炭对水稻吸收累积土壤中汞镉的影响
..... 王月梅, 王作鹏, 李承骏, 赵 玲, 滕 应, 骆永明 (1225)不同分子量腐植酸的结构特征及其对土壤镉有效性的影响
..... 吴洪燕, 李清君, 陈士更, 吴钦泉, 高 斌, 陈卫民, 刘同信 (1233)酸性土壤上伴生矿景天铝毒的缓解技术研究
..... 董 蓓, 周嘉文, 詹 娟, 程新峰, 周 通, 王雨阳, 周守标, 吴龙华 (1240)

基于文献计量分析的地下水中氨氮污染去除研究 王生晖, 杨宗帅, 陈粉丽, 宋 昕, 魏昌龙 (1247)

盐碱地应用根际促生菌对土壤改良、作物产量与品质的影响——基于 Meta 分析
..... 梁洪榜, 赵 丽, 周云鹏, 刘 畅, 和 靖, 匡乃昆, 李云开 (1257)黄土高原丘陵区典型退耕恢复植被土壤碳分布特征及其影响因素
..... 沙国良, 陈宇轩, 魏天兴, 任 康, 郭 鑫, 傅彦超 (1265)大面积高寒山区土壤养分空间预测与管理分区
..... 杜龙全, 刘 峰, 史 舟, 赵 霞, 李德成, 张甘霖, 董晋鹏, 陈东升 (1273)四川盆地耕地土壤 pH 空间变异特征及影响因素
..... 邓 茜, 方红艳, 张元媛, 李呈吉, 宋靓丽, 冉 敏, 代天飞, 王昌全, 李启权 (1283)黄河三角洲不同长势柽柳对土壤水盐异质性的影响
..... 胡鑫隆, 齐 继, 于千钧, 刘金娣, 潘英华, 陈小兵, 胡秋丽, 赵 英 (1291)铁矿尾砂配施有机物料对褐土压缩及回弹特性的影响
..... 孙奥博, 安 晶, 虞 娜, 叶旭红, 刘虹豆, 邹洪涛, 张玉龙 (1300)

浙江省典型土壤类型整段标本的采集和制作 庄 俐, 邹 平, 麻万诸, 沈阿林 (1307)

CONTENTS

- Research Progress on Degradation Characteristics of Neonicotinoid Insecticides GE Ling, WANG Xin, ZHANG Ya'nan (1093)
- Effects of Different Forms of Foliar Selenium Fertilizers on Se Accumulation and Distribution in Rice (*Oryza sativa L.*) WANG Qi, WANG Yaqi, WAN Ya'nan, LI Huafen (1101)
- Distribution of Soil Se Content and Its Influencing Factors in Qingzhen City, Guizhou Province CHAI Guanqun, WANG Guokun, WANG Li, LIU Guihua, LUO Muxinjian, FAN Chengwu, WANG Hu (1108)
- Effects of Sorbitol Chelated Calcium on Peanut Growth and Absorption of Potassium, Calcium and Magnesium LI Tengsheng, WEI Qianqian, WANG Wenhao, CUI Yuzhao, TAN Huiting, SUN Wei, YANG Yu, ZHANG Huanyang, HAN Chuanhao, YAN Dongyun (1117)
- Effects of Long-term Application of Bioorganic Fertilizer on Soil Nutrients and Biological Characteristics of Saline Alkali Land in Ningxia SI Haili, JI Lidong, LI Lei, MIAN Youming, ZHU Ying, LIU Julian, SHANG Hongying, YANG Yang (1124)
- Characteristics of Soil Organic Matter and Nutrient Contents Under Different Land Use Types Along Shengjin Lake GUO Shaoyi, WANG Hongxin, LIU Wenbin, CHEN Yun (1132)
- Effects of Woody Proliferation on Chemical Structure and Thermal Stability of Soil Organic Carbon in Arid Grasslands ZHANG Yu, LIU Yunhua, TENG Lichuang, BAI Chonghao, SHENG Jiandong (1138)
- Effects of Combined Application of Tobacco Stem Biochar and Chemical Fertilizers on Organic Carbon Fractions and Microorganism in Tobacco-growing Soil ZHANG Hongxue, ZHU Qiaolian, GUO Liming, WU Fengying, MAO Yanling (1149)
- Patterns of Activity and Community of Ammonia Oxidizers Along Salinity Gradient in Salinized Soils SONG Yanjing, ZHANG Xiaoli, FU Rao, LI Meng, WANG Jie, MA Lan (1157)
- Soil Microbial Community Structures Under Three Urban Landscape Bamboo Forests FU Hao, ZENG Xinhua, SONG Zhilin, LAN Siren, HUANG Weichang (1165)
- Effects of Different Manures on Soil Enzyme Activity and Microbial Community ZHANG Ying, WU Shuxia, LEI Qiuliang, ZHAI Limei, WANG Hongyuan, LI Hao, YANG Bo, LIU Hongbin (1175)
- Study on Pathogenesis of Watermelon *Fusarium* Wilt from Perspective of Soil ZHENG Mingzi, YANG Bingye, YANG Jingjing, YU Yiyang, YAO Xiefeng, XU Jinhua, GUO Jianhua, JIANG Chunhao (1185)
- Study of Bensulfuron-degrading Strain *Hansschlegelia zhihuiae* S113 Microbial Agents TENG Xiao, XU Mingyang, LI Jintao, TIAN Yanning, CHEN Yang, HUANG Xing (1193)
- Environmental Fate and Regulation of Atrazine in Upland Red Soil Under Different Fertilization Regimes DONG Panyue, CHEN Yuzhu, ZENG Jun, LIN Xiangui, LUO Yongming, WU Yucheng (1201)
- Study on Mechanism of Persulfate Decomposition and Free Radical Generation in Different Soil Types PENG Fei, WANG Xiaolei, FANG Guodong, GAO Yanzheng (1210)
- Effects of Three Kinds of Organic Materials on Mercury Methylation in Paddy Soil and Mercury Accumulation in Brown Rice DU Shuyang, DING Changfeng, WANG Xingxiang (1219)
- Effect of Mn Modified Pig Manure Biochar on Uptake and Accumulation of Hg and Cd in Rice WANG Yuemei, WANG Zuopeng, LI Chengjun, ZHAO Ling, TENG Ying, LUO Yongming (1225)
- Structural Characteristics of Humic Acids with Different Molecular Weights and Their Effect on Cadmium Availability in Soil WU Hongyan, LI Qingjun, CHEN Shigeng, WU Qinquan, GAO Bin, CHEN Weimin, LIU Tongxin (1233)
- Alleviating Aluminum Toxicity to Cadmium Hyperaccumulator *Sedum plumbizincicola* in Acid Soils DONG Bei, ZHOU Jiawen, ZHAN Juan, CHENG Xinfeng, ZHOU Tong, WANG Yuyang, ZHOU Shoubiao, WU Longhua (1240)
- Research on Removal of Ammonia Nitrogen Pollution from Groundwater Based on Bibliometric Analysis WANG Shenghui, YANG Zongshuai, CHEN Fenli, SONG Xin, WEI Changlong (1247)
- Effects of Rhizosphere Growth-promoting Bacteria on Soil Improvement, Crop Yield and Quality in Saline-alkali Land—A Meta-analysis LIANG Hongbang, ZHAO Li, ZHOU Yunpeng, LIU Chang, HE Jing, KUANG Naikun, LI Yunkai (1257)
- Distribution of Soil Carbon and Its Driving Factors Under Typical Restored Vegetation in Hilly Areas of Loess Plateau SHA Guoliang, CHEN Yuxuan, WEI Tianxing, REN Kang, GUO Xin, FU Yanchao (1265)
- Spatial Prediction and Management Zoning of Soil Nutrients in Large-scale Alpine Mountainous Areas DU Longquan, LIU Feng, SHI Zhou, ZHAO Xia, LI Decheng, ZHANG Ganlin, DONG Jinpeng, CHEN Dongsheng (1273)
- Spatial Variability of Cropland Soil pH and Its Influencing Factors in Sichuan Basin DENG Qian, FANG Hongyan, ZHANG Yuanyuan, LI Chengji, SONG Liangying, RAN Min, DAI Tianfei, WANG Changquan, LI Qiquan (1283)
- Effects of Different *Tamarix chinensis* Growth on Variability of Soil Moisture and Salinity in Yellow River Delta HU Xinlong, QI Ji, YU Qianjun, LIU Jindi, PAN Yinghua, CHEN Xiaobing, HU Qiuli, ZHAO Ying (1291)
- Effects of Iron Tailings Combined with Organic Materials on Compression and Rebound Characteristics of Cinnamon Soil SUN Aobo, AN Jing, YU Na, YE Xuhong, LIU Hongdou, ZOU Hongtao, ZHANG Yulong (1300)
- Brief Introduction of Methods of Collecting and Making Soil Monoliths in Zhejiang Province ZHUANG Li, ZOU Ping, MA Wan Zhu, SHEN Alin (1307)