

土 壤

TURANG

第 42 卷 第 4 期

2010 年 8 月

目 次

◆专论与综述

- 连作花生土壤障碍原因及消除技术研究进展.....王兴祥, 张桃林, 戴传超 (505)
- 土壤水力特性的空间尺度效应研究进展.....舒乔生, 谢立亚 (513)
- 冻融交替对土壤 CO₂ 及 N₂O 释放效应的研究进展.....杨红露, 秦纪洪, 孙 辉 (519)

◆研究报告

- 长期施用畜禽粪便对土壤生物化学质量指标的影响.....李江涛, 钟晓兰, 刘 勤, 张 斌, 赵其国 (526)
- 扎龙湿地苔藓群落土壤动物的分布及多样性.....潘 林, 焦德志, 王文峰, 郭继勋 (536)
- 黄土丘陵区退耕地生物结皮影响下的土壤腐殖质分异特征.....张 健, 刘国彬, 许明祥 (541)
- 解磷细菌 K₃ 的 GFP 标记及其解磷能力检测.....李晓婷, 董彩霞, 杨兴明, 钟增涛, 沈其荣, 徐阳春 (548)
- 运用多隔层根箱研究玉米幼苗根际微域中芘的降解.....许 超, 夏北成 (554)
- 不同耕种年限红壤性水稻土理化性质的变化特征.....马 良, 徐仁扣 (560)
- 凋落物中次生代谢物对森林土壤可溶性氮的影响.....刘维丽, 马红亮, 彭秀明, 夏 清, 陈 功, 孙 杰 (564)
- 麦秆还田氮肥运筹对水稻产量及土壤氮素供应的影响.....李 勇, 曹红娣, 储亚云, 邓九胜, 朱荣松, 朱彩云, 蒋新华, 白洁瑞 (569)
- 硫包衣尿素对辣椒产量、品质及氮肥利用率的影响研究.....许仙菊, 高豫汝, 张永春, 朱绿丹, 汪吉东, 宁运旺, 胡永红 (574)
- 种植密度和氮磷钾肥对药用菊花的产量及光合效率的影响.....周可金, 章力干, 张俊霞, 马成泽 (579)
- 基于线性回归的农业氮磷流失比定量模型研究.....蔡龙炎 (584)
- 彭州市新黄村地震灾后土壤有机碳含量分布特征及影响因素.....宋 旭, 蔡 艳, 张世熔, 李 婷, 袁大刚, 杨 杰, 黄爱萍 (589)
- 潮州市土壤重金属元素分布及潜在生态风险评价.....陈 江, 张海燕, 何小峰, 曹水华, 杨国祥 (595)
- 重庆地区酸性紫色土锌有效性及其影响因素研究.....石中山, 王春苗, 特拉津·那斯尔, 杨剑虹 (600)
- 重金属铜在甘蔗体内的吸收及对甘蔗产量和品质的影响.....郭家文, 崔雄维, 张跃彬, 刘少春 (606)
- 磷灰石等改良剂对重金属铜镉污染土壤的田间修复研究.....崔红标, 周 静, 杜志敏, 范玉超, 司友斌 (611)
- 施硒对药用菊花主要有效成分和花中硒含量的影响.....李永明, 孙玉新, 刘德辉 (618)
- 不同浸提剂对海南稻田土壤有效硒浸提效果比较.....耿建梅, 王文斌, 罗 丹, 吴露露, 唐树梅 (624)
- 地下水浅埋区重度盐碱地不同滴灌种植年限土壤盐分分布特征.....窦超银, 康跃虎 (630)
- 苏打碱化土壤碱化参数的干湿季节动态变化.....李 彬, 王志春, 武 恒 (639)
- 浙江省嘉兴市郊水稻土酸度比较研究.....李艾芬, 范文俊, 陆建中, 张晓伟 (644)
- 安徽省宣城市特色烟种植潜力定量评价.....季学军, 王大州, 沈思灯, 席晋峰, 李德成, 李贤胜, 杨 平, 周立祥 (648)
- 江苏省土地资源禀赋度空间变化研究.....皮啸菲, 周生路, 吴绍华 (652)
- 甘肃省土地利用综合效益空间分异研究.....潘竟虎, 石培基 (658)

◆研究简报

- 氨基酸态氮和硝态氮混合营养下番茄生长及其生态化学计量学特征.....袁 伟, 董元华, 王 辉 (664)
- 新鲜和冻干样品对河滨缓冲带土壤微生物群落结构分析的影响.....刘艳青, 尧水红, 王庆海, 李辉信 (669)
- 噬氢副球菌 HPD-2 对苯并[a]芘的降解特性及代谢途径初探.....刘增俊, 滕 应, 骆永明, 李振高 (676)
- 蓝藻沼肥对土壤的影响.....姜继辉, 严少华, 陈 巍, 韩世群, 刘海琴 (678)

CONTENTS

Advance in mechanism and countermeasures of peanut succession monocropping obstacles···WANG Xing-xiang, ZHANG Tao-lin, DAI Chuan-chao	(505)
Advances in spatial scaling effects of soil hydraulic properties·····SHU Qiao-sheng, XIE Li-ya	(513)
A Review: Response of soil CO ₂ and N ₂ O emissions to freeze-thaw pattern change·····YANG Hong-lu, QIN Ji-hong, SUN Hui	(519)
Effects of long-term application of livestock manures on soil biochemical quality indicators·····	
·····LI Jiang-tao, ZHONG Xiao-lan, LIU Qin, ZHANG Bin, ZHAO Qi-guo	(526)
Soil fauna distribution and diversity in moss communities in Zhalong National Nature Reserve Wetland·····	
·····PAN Lin, JIAO De-zhi, WANG Wen-feng, GUO Ji-xun	(536)
Influence of biological soil crusts on soil humus in rehabilitated grassland of Hilly Loess Region, China·····	
·····ZHANG Jian, LIU Guo-bin, XU Ming-xiang	(541)
Labeling of phosphate-solubilizing bacteria K ₃ with GFP and its phosphate solubilization ability·····	
·····LI Xiao-ting, DONG Cai-xia, YANG Xing-ming, ZHONG Zeng-tao, SHEN Qi-rong, XU Yang-chun	(548)
Degradation of pyrene in rhizosphere of maize seedlings (<i>Zea mays</i> L.) in a rhizobox·····XU Chao, XIA Bei-cheng	(554)
Physico-chemical characteristics of paddy soils derived from quaternary red clay under different cultivated years·····MA Liang, XU Ren-kou	(560)
Effect of secondary metabolites of litter on soluble nitrogen in forest soils·····	
·····LIU Wei-li, MA Hong-liang, PENG Xiu-ming, XIA Qing, CHENG Gong, SUN Jie	(564)
Effects of wheat straw returning and nitrogen application model on rice yield and soil nitrogen supply·····	
·····LI Yong, CAO Hong-di, CHU Ya-yun, DENG Jiu-sheng, ZHU Rong-song, ZHU Cai-yun, JIANG Xin-hua, BAI Jie-rui	(569)
Effects of several sulfur-coated urea fertilizers on green pepper's yield, quality and nitrogen recovery efficiency·····	
·····XU Xian-ju, GAO Yu-ru, ZHANG Yong-chun, ZHU Lv-dan, WANG Ji-dong, NING Yun-wang, HU Yong-hong	(574)
Effects of nitrogen, phosphorus, potassium and density on yield and photosynthetic efficiency of <i>Chrysanthemum morifolium</i> Ramat.·····	
·····ZHOU Ke-jin, ZHANG Li-gan, ZHANG Jun-xia, MA Cheng-ze	(579)
Quantitative model for nitrogen and phosphorus loss ratios from agriculture in China based on linear regression·····CAI Long-yan	(584)
Distribution characteristics and influencing factors of soil organic carbon content after earthquake in New Huang Village of Pengzhou City·····	
·····SONG Xu, CAI Yan, ZHANG Shi-rong, LI Ting, YUAN Da-gang, YANG Jie, HUANG Ai-ping	(589)
Distribution and evaluation on potential ecological risk of heavy metals in soils of Huzhou·····	
·····CHEN Jiang, ZHANG Hai-yan, HE Xiao-feng, CAO Shui-hua, YANG Guo-xiang	(595)
Available zinc content and influence factors of acidity purple soil in Chongqing·····	
·····SHI Zhong-shan, WANG Chun-miao, TELAJIN-Nasir, YANG Jian-hong	(600)
Cu uptake by sugarcane and its effects on sugarcane yield and quality·····GUO Jia-wen, CUI Xiong-wei, ZHANG Yue-bin, LIU Shao-chun	(606)
Field remediation of Cu/Cd polluted soil by apatite and other amendments·····CUI Hong-biao, ZHOU Jing, DU Zhi-min, FAN Yu-chao, SI You-bin	(611)
Effects of applying selenium on contents of total flavonoid, chlorogenic acid and selenium in flower of <i>Chrysanthemum morifolium</i> ·····	
·····LI Yong-ming, SUN Yu-xin, LIU De-hui	(618)
Comparative studies on effects of several extractants on available selenium of paddy soils in Hainan·····	
·····GENG Jian-mei, WANG Wen-bin, LUO Dan, WU Lu-lu, TANG Shu-mei	(624)
Characteristics of soil salinity distribution in saline-sodic soil with shallow water table under mulch-drip irrigation in different planting years·····	
·····DOU Chao-yin, KANG Yue-hu	(630)
Variations of alkalization parameters of soda solonchets during dry and wet season·····LI Bin, WANG Zhi-chun, WU Heng	(639)
Comparison between paddy soil acidity in suburbs of Jiaxing City, Zhejiang Province·····	
·····LI Ai-fen, FAN Wen-jun, LU Jian-zhong, ZHANG Xiao-wei	(644)
Quantitative evaluation on suitable potential for distinctive tobacco growth in Xuancheng·····	
·····JI Xue-jun, WANG Da-zhou, SHEN Si-deng, XI Jin-feng, LI De-cheng, LI Xian-sheng, YANG Ping, ZHOU Li-xiang	(648)
Study on spatial variation of land resource endowment degree in Jiangsu Province·····PI Xiao-fei, ZHOU Sheng-lu, WU Shao-hua	(652)
Spatial differentiation of comprehensive land use efficiency in Gansu Province·····PAN Jing-hu, SHI Pei-ji	(658)
Growth of tomato and its ecological stoichiometry characteristics under hydroponic condition with mixture nitrogen nutrition of amino acid and nitrate ·····	
·····YUAN Wei, DONG Yuan-hua, WANG Hui	(664)
Effects of fresh and freeze-dried soil sample treatments on soil microbial community structures·····	
·····LIU Yan-qing, YAO Shui-hong, WANG Qing-hai, LI Hui-xin	(669)
Benzo[a]pyrene degradation characteristics and metabolic pathway by <i>Paracoccus aminovorans</i> HPD-2 ·····	
·····LIU Zeng-jun, TENG Ying, LUO Yong-ming, LI Zhen-gao	(676)
Effects of cyanobacteria residue fertilizer on soil ·····JIANG Ji-hui, YAN Shao-hua, CHEN Wei, HAN Shi-qun, LIU Hai-qin	(678)