

中国科技核心期刊

ISSN 0253-9829

土壤
(双月刊)

第五十一卷

第六期

二〇一九年十二月

科学出版社

Soils 土壤



2019
第 51 卷 6



中国科学院南京土壤研究所 主办
科学出版社 出版

万方数据



目 次

◆ 专论与综述

植物小肽研究进展 I：来源、鉴定和调控 李文凤，兰 平 (1049)

◆ 研究报告

喀高低应答 CO₂ 水稻品种苗期根系对高碳环境的响应 吴晶晶，施卫明 (1057)

华东地区小麦缓控释配方肥技术研究 孙 婷，马宏卫，王孟兰，张 媛 (1065)

连续 5 年配施有机肥茶园土壤活性铝含量变化状况 吴志丹，江福英，尤志明，李 刚，翁伯琦 (1070)

摘除不适用叶与喷施微肥对烤烟上部叶生理特性及产质量的影响

刘 领，李 冬，周俊学，白 峰，王艳芳，申洪涛 (1078)

调理剂对茶园土壤和茶叶产量及品质的影响 万 青，胡振民，李 欢，李荣林，杨亦扬 (1086)

滇中东部典型岩溶区农田土壤肥力评价 范茂攀，周 锋，吴开贤，安瞳昕，吴伯志 (1093)

陕西武功县猕猴桃园土壤养分调查与评价 王亚国，李 衡，郭培明，雷玉山 (1100)

有机肥增减施后红壤水稻土团聚体有机碳的变化特征

谢丽华，廖超林，林清美，唐 茹，孙钰翔，黎丽娜，尹力初 (1106)

亚热带典型地貌下旱地和水田可溶性有机物化学组成特征 郑小东，陈香碧，胡亚军，苏以荣 (1114)

模拟盐度变化对人工湿地脱氮除磷效果的影响

赵林丽，姜小三，邵学新，吴 明，陆琳莹，陶吉兴 (1122)

喀土壤磺胺类抗生素固相萃取-高效液相色谱法的构建与优化

刘潇雅，徐源洲，贺南南，李辉信，胡 锋，徐 莉 (1129)

便携式 X 射线荧光光谱法(PXRF)在肥料重金属快速检测中的应用

万梦雪，胡文友，黄 标，董騄睿 (1137)

化工污染场地氯苯分布特征 孟宪荣，许 伟，张建荣 (1144)

不同土壤中镉对大麦和多年生黑麦草毒性阈值的研究 王子萱，陈宏坪，李 明，杨新萍 (1151)

重庆主城区空气降尘中重金属的特点及其在表层土壤中的累积量研究

王 佳，刘 斌，肖柏林，李余杰，张田硕，吴 瑕，张玉婷 (1160)

中国西南地区页岩气田水基钻屑理化性状与污染物分析

高昊辰，张 春，张思兰，刘广明，周泽军，陈科平，何 勇，陈金林 (1168)

有机肥替代部分化肥对滨海盐碱地土壤改良和小麦产量的影响

李 玉，田宪艺，王振林，代兴龙，董元杰，贺明荣 (1173)

不同年限温室土壤盐分变化及对土壤退化的影响 张敬敏，隋申利，李艳玮，魏 琦，赵利华 (1183)

不同植稻年限土壤剖面基本性质与水-氮分布的关系

张 君，刘目兴，易 军，张海林，李胜龙，段 赫，杨 倩 (1188)

干湿循环对土壤斥水性的影响 杨 松，王 磊，周明凯，马泽慧，李 铭 (1196)

广西喀斯特地区甘蔗地土壤收缩变化研究

郑思文，李振东，陈晓冰，张金莲，马 蕊，陈廷速，甘 磊 (1202)

棕壤与褐土击实容重对含水量的响应 邱德勋，张含玉，姜自龙，刘前进，陈锦鸿，韩曜蔚 (1209)

亚热带山地草甸土性态的变异及其在中国土壤系统分类中的地位

章明奎，邱志腾，姚玉才，毛霞丽，杨良觎，麻万诸 (1216)

土壤黏粒和磁化率特征对绰墩古水稻土成因的指示

李学林，李福春，杨 梅，代静玉，陈国岩，杨用钊 (1226)

土地整理后土壤理化性状和烤烟产质量空间变异

张久权，张瀛，黄一兰，林建麒，陈德鑫，陈守木，赵鹏超 (1232)

云南曲靖植烟土壤交换性钙、镁与关联土壤属性的特征研究 余小芬，李军营，韩小女，

解 燕，刘加红，张瑞勤，吕亚琼，马淑琴，陈秀华，杨树明，闫 辉，邱学礼 (1240)

基于熵权 TOPSIS 的湖北省农业水土资源承载力时空动态研究

杨 剑，丁玲玲，李新尧，常华进，孙小舟 (1246)

◆ 研究简报

超声提取-离子色谱法测定土壤中 10 种水溶性阴离子

马兵兵，姜 淼，罗 燕，周汝兰，卜云磊，徐 阳 (1253)

CONTENTS

Research Progress of Plant Signal Peptide: Origin, Identification and Regulation	LI Wenfeng, LAN Ping (1056)
Response of Root Morphology in Seedling Stage of Different Rice Cultivars to High Carbon Condition	WU Jingjing, SHI Weiming (1064)
Application of Controlled-Release Formulated Fertilizer on Winter Wheat in East China	SUN Ting, MA Hongwei, WANG Menglan, ZHANG Yuan (1069)
Variation of Active Aluminum Content in Tea Garden Soil with Manure Applied for 5 Years	WU Zhidan, JIANG Fuying, YOU Zhiming, LI Gang, WENG Boqi (1077)
Effects of Removing Inapplicable Leaves and Spraying Micronutrient Fertilizer on Physiological Characteristics of Upper Leaves, Yield and Quality of Flue-cured Tobacco	LIU Ling, LI Dong, ZHOU Junxue, BAI Feng, WANG Yanfang, SHEN Hongtao (1085)
Effects of Soil Conditioners on Soil Properties and Yield and Quality Components of Tea in Tea Garden	WAN Qing, HU Zhenmin, LI Huan, LI Ronglin, YANG Yiyang (1092)
Evaluation of Farmland Fertility of Typical Karst Area in Central and Eastern Yunnan	FAN Maopan, ZHOU Feng, WU Kaixian, AN Tongxin, WU Bozhi (1099)
Investigation and Assessment on Soil Nutrients of Kiwifruit Orchards in Wugong County of Shaanxi Province	WANG Yaguo, LI Heng, GUO Peiming, LEI Yushan (1105)
Characteristics of Soil Aggregate Organic Carbon (SAOC) in Paddy Soil After Increasing or Reducing Input of Organic Fertilizer	XIE Lihua, LIAO Chaolin, LIN Qingmei, TANG Ru, SUN Yuxiang, LI Lina, YIN Lichu (1113)
Chemical Constituents of DOM in Upland and Paddy Soils Under Typical Landforms in Subtropical Region	ZHENG Xiaodong, CHEN Xiangbi, HU Yajun, SU Yirong (1121)
Effects of Simulated Salinity Change on Nitrogen and Phosphorus Removal in Constructed Wetland	ZHAO Linli, JIANG Xiaosan, SHAO Xuexin, WU Ming, LU Linying, TAO Jixing (1128)
Optimization and Detecting Sulfamethoxazole in Soils Using Solid Phase Extraction-High Performance Liquid Chromatography	LIU Xiaoya, XU Yuanzhou, HE Nannan, LI Huixin, HU Feng, XU Li (1136)
Application of Portable X-ray Fluorescence (PXRF) for Rapid Determination of Heavy Metals in Fertilizers	WAN Mengxue, HU Wenyou, HUANG Biao, DONG Lurui (1143)
Distribution Characters of Chlorobenzene in Polluted Chemical Industrial Site	MENG Xianrong, XU Wei, ZHANG Jianrong (1150)
Toxicity Thresholds of Cadmium to Barley and Perennial Ryegrass as Determined by Root-Elongation and Growth Tests in Soils	WANG Zixuan, CHEN Hongping, LI Ming, YANG Xinping (1159)
Characteristics of Heavy Metals in Atmospheric Deposition and Its Impact on Their Accumulation in Soil of Chongqing	WANG Jia, LIU Bin, XIAO Bolin, LI Yujie, ZHANG Tianshuo, WU Huang, ZHANG Yuting (1167)
Analysis of Physiochemical Properties and Pollutants of Water-Based Drilling Cuttings in Shale Gas Field near Southwest China	GAO Haochen, ZHANG Chun, ZHANG Silan, LIU Guangming, ZHOU Zejun, CHEN Keping, HE Yong, CHEN Jinlin (1172)
Effects of Substitution of Partial Chemical Fertilizers with Organic Fertilizers on Soil Improvement and Wheat Yield in Coastal Saline and Alkaline Land	LI Yu, TIAN Xianyi, WANG Zhenlin, DAI Xinglong, DONG Yuanjie, HE Mingrong (1182)
Soil Salinity Changes in Greenhouse with Years and Their Effects on Soil Degradation	ZHANG Jingmin, SUI Shenli, LI Yanwei, WEI Min, ZHAO Lihua (1187)
Profile Characteristics of Soil Properties and Water/Nitrogen Distribution in Paddy Fields with Different Cultivation Years	ZHANG Jun, LIU Muxing, YI Jun, ZHANG Hailin, LI Shenglong, DUAN He, YANG Qian (1195)
Effect of Drying-Wetting Cycles on Soil Water Repellency	YANG Song, WANG Lei, ZHOU Mingkai, MA Zehui, LI Ming (1201)
Research on Soil Shrinkage in Sugarcane Field of Karst Region in Guangxi	ZHENG Siwen, LI Zhendong, CHEN Xiaobing, ZHANG Jinlian, MA Rui, CHEN Tingsu, GAN Lei (1208)
Responses of Compacted Bulk Density of Brown Soil and Cinnamon Soil to Moisture Content	QIU Dexun, ZHANG Hanyu, JIANG Zilong, LIU Qianjin, CHEN Jinhong, HAN Yaowei (1215)
Variation of Pedogenetic Characteristics of Mountain Meadow Soils in Subtropical Region of China and Their Placement in Chinese Soil Taxonomy	ZHANG Mingkui, QIU Zhiteng, YAO Yucai, MAO Xiali, YANG Liangyu, MA Wan Zhu (1225)
Significance of Clay Fraction and Magnetic Susceptibility for Origin of Ancient Paddy Soil at Chuodun Agriculture Site	LI Xuelin, LI Fuchun, YANG Mei, DAI Jingyu, CHEN Guoyan, YANG Yongzhao (1231)
Spatial Variation of Soil Physiochemical Properties and Tobacco Yield and Quality of Consolidated Land	ZHANG Jiuquan, ZHANG Ying, HUANG Yilan, LIN Jianqi, CHEN Dexin, CHEN Shoumu, ZHAO Pengchao (1239)
Study on Characteristics Between Exchangeable Calcium, Magnesium and Related Soil Properties of Tobacco-growing Soil in Qujing	YU Xiaofen, LI Junying, HAN Xiaonü, XIE Yan, LIU Jiahong, ZHANG Ruiqin, LÜ Yaqiong, MA Shuqin, CHEN Xiuhua, YANG Shuming, YAN Hui, QIU Xueli (1245)
Study on Temporal-spatial Dynamics of Carrying Capacity of Agricultural Water and Soil Resources (CCAWSR) in Hubei Province Based on Entropy-weight TOPSIS	YANG Jian, DING Lingling, LI Xinyao, CHANG Huajin, SUN Xiaozhou (1252)
Determination of ten Water-soluble Anions in Soil by Ion Chromatography with Ultrasonic Extraction	MA Bingbing, JIANG Ying, LUO Yan, ZHOU Rulan, BU Yunlei, XU Yang (1256)