



中文核心期刊
中国科技核心期刊
中国科学引文数据库(CSCD)来源期刊
RCCSE中国核心学术期刊(A)
中国农林核心期刊

ISSN 2095-1191

CODEN NNXAAB

南方农业学报

Nanfang Nongye Xuebao

第53卷 第7期 2022年7月

Journal of Southern Agriculture

Vol.53 No.7 Jul. 2022

7

2022

广西壮族自治区农业科学院 主办

Sponsored by Guangxi Academy of Agricultural Sciences



科学出版社 出版
Published by Science Press

南方农业学报

Nanfang Nongye Xuebao

第53卷 第7期 2022年7月

目 次

优秀青年学者论坛

- 1785 广西家蚕僵病流行趋势及其主要病原遗传规律研究
..... 唐亮,胡文娟,蒋满贵,黄深惠,董桂清,李标,唐名艳,赵烨芸,何骥,潘志新

作物遗传育种·种质资源·分子生物学

- 1796 云南同名地方稻种资源主要表型性状及遗传变异的比较分析
..... 陈越,陈玲,钟巧芳,张敦宇,李婷婷,程在全
1809 水稻WOX家族基因鉴定及其种子在逆境萌发中的表达分析
..... 张琪,张爱霞,贾俊婷,赵华,刘军,陈兵先
1821 普通小麦及其亲缘种农艺与籽粒品质性状及金属元素含量相关分子标记分析
..... 余慧霞,刘彩霞,李清峰,许娜丽,王彦青,姚明明,陈佳静,孙刚,王掌军
1832 microRNA研究概况及其在农业生产中的应用前景 李祥,刘龙,安世恒,关若冰

生理生化·土壤肥料·农业生态环境

- 1843 特色紫甜玉米自交系选育高营养水果型杂交玉米的应用研究(英文)
..... 范光俊,阮忠德,阮氏月英,武文烈,武氏春萍,吕荣华
1855 不同类型调理剂对镉污染土壤修复效果和微生物群落的影响
..... 李奇,王艳红,李义纯,李林峰,唐明灯,艾绍英
1867 复合钝化材料对农田土壤砷有效性及白菜生长的影响
..... 黄安林,付绘澄,柴冠群,范成五,黎瑞君,秦松
1875 应用近红外光谱和化学计量法测定甜玉米种子活力 赵冰,王爱文,赵华
1883 开花期渍水对土壤不同形态氮素含量及小麦氮素积累运转和产量的影响
..... 李霞,李赟,李慕嵘,尹立俊,王小燕,漆栋良
1893 有机碳肥对糖料甘蔗生长、产量形成及经济效益的影响
..... 樊保宁,丘立杭,游建华,庞天,罗含敏,覃诺忠,闫海锋
1899 蚯蚓生态类型和密度对水浇地土壤综合质量的影响
..... 陈静,陈金洁,杨倩楠,Cevin Tibihenda,李祥东,张晓龙,王超,张池,刘科学
1908 镉污染对稻田土壤真菌群落结构及多样性的影响
..... 罗路云,蒋宏华,王殿东,郑立敏,张德咏,曾军,彭俊彩,张卓

植物保护·农业气象

- 1917 甘薯基腐病病原鉴定及生长特性测定
..... 唐伟,张成玲,王芳,杨冬静,马居奎,陈晶伟,谢逸萍,孙厚俊

- 1925 不同月季品种灰霉病抗性鉴定及与表型相关性分析 李思思, 韩洋琳, 袁文斌, 杨佳, 李学, 吴红芝
- 1935 坡柳种子精油对5种植物病原真菌的熏蒸活性及化学成分分析 刘全俊, 付立新, 张扬, 李丰超, 于航, 李金梁, 秦小萍
- 1944 南宁市柑橘木虱自然天敌种类调查 白津铭, 黄元腾吉, 廖咏梅, 黄奕蔓, 朱文倩, 任立云
- 1953 桉蝙蛾幼虫对桉树树干及其林下浅层土壤挥发物的嗅觉行为反应 许原, 张玉静, 熊运凡, 黄颖, 钟声, 朱昭华, 杨振德, 胡平

园艺·园林·林业

- 1963 顶坛花椒不同季节萌发枝条的果皮氨基酸累积特征 王登超, 符羽蓉, 喻阳华, 陈卯, 韦昌盛
- 1973 松乳菇菌株的分离鉴定及其与马尾松的互作效应 向健伟, 龙芳, 张立秋, 周家春, 郑威, 马琼
- 1981 基于近红外光谱技术的杉木总酚含量模型构建与应用 程琳, 黄开勇, 蓝肖, 陈代喜, 李魁鹏, 莫宗恒, 王斌, 赖苑修
- 1989 贵州高海拔区3个苹果品种果实挥发性物质成分分析 韩秀梅, 吴亚维, 冯建文, 宋莎, 杨华, 李顺雨

畜牧·兽医·水产·蚕桑

- 1999 黔北麻羊毛色差异皮肤组织的蛋白组学研究 张颜, 孙宝盛, 肖贵榜, 杨玉能, 杨泓涛, 李世春, 邓位喜
- 2007 2株广西鹅源基因XII型新城疫病毒的病原学分析 曾婷婷, 谢芝勋, 华俊, 谢丽基, 李孟, 黄娇玲, 张民秀, 张艳芳, 范亚东, 撒薇
- 2015 21种大眼蟹线粒体COI基因比较及系统进化分析 孟磊, 张莹, 张旭, 龚理, 韦信贤, 童桂香, 高阳
- 2025 基于线粒体COII基因序列的长江下游翘嘴鲌群体遗传多样性分析 张桂宁, 方弟安, 薛向平, 毛成诚, 彭云鑫
- 2033 斑马鱼zgc113227多克隆抗体及卵形鲳鲹EVM0008813多肽抗体的制备 张永德, 宋漫玲, 罗辉, 余燕玲, 林勇, 陈晓汉, 冯鹏霏, 罗洪林
- 2042 3种雀形目鸟类羽毛显微结构观察 侯森林, 刘大伟, 费宜玲, 王滨
- 2049 体外法评价青贮玉米与青贮菠萝渣的组合效应 郭广振, 杨伟光, 刘娟, 王胜男, 陈佳怡, 彭苏, 尹福泉, 高振华, 赵志辉
- 2060 单一和复合乳酸菌添加对高丹草青贮效果的影响 付薇, 陈伟, 王小利, 周丽, 覃涛英, 韩永芬, 孟军江

农业信息技术·农业经济

- 2068 基于BERT字向量和TextCNN的农业问句分类模型分析 鲍彤, 罗瑞, 郭婷, 贵淑婷, 任妮

本期执行编辑:麻小燕

期刊基本参数:CN 45-1381/S*1940*m*A4*292*zh+en*P* ¥ 45.00*1000*31*2022-07

Journal of Southern Agriculture

Vol.53 No.7, 2022

Contents

Outstanding Young Scholars Forum

- 1785 Prevalence tendency and genetic laws of main pathogens of silkworm muscardine diseases in Guangxi
..... TANG Liang, HU Wen-juan, JIANG Man-gui, HUANG Shen-hui, DONG Gui-qing,
LI Biao, TANG Ming-yan, ZHAO Ye-yun, HE Ji, PAN Zhi-xin

Crop Genetics & Breeding · Germplasm Resources · Biotechnology

- 1796 Comparative analysis of main phenotypic traits and genetic variations of the local rice germplasm resources of the same name in Yunnan CHEN Yue, CHEN Ling, ZHONG Qiao-fang, ZHANG Dun-yu, LI Ting-ting, CHENG Zai-quan
1809 Rice *WOX* family gene identification and expression analysis of seeds germinated under stress ZHANG Qi, ZHANG Ai-xia, JIA Jun-ting, ZHAO Hua, LIU Jun, CHEN Bing-xian
1821 Analysis of agronomic and grain quality traits and molecular markers related to metal element content in common wheat and its related species YU Hui-xia, LIU Cai-xia, LI Qing-feng, XU Na-li, WANG Yan-qing,
YAO Ming-ming, CHEN Jia-jing, SUN Gang, WANG Zhang-jun
1832 Overview of microRNA research and its application prospect in agricultural production LI Xiang, LIU Long, AN Shi-heng, GUAN Ruo-bing

Physiology & Biochemistry · Soil & Fertilizer · Agroecology Environment

- 1843 Application analysis of novel purple sweet corn inbred line development for hybrid nutrient-rich fruit corn breeding PHAM Quang-tuan, NGUYEN Trung-duc, NGUYEN Thi-nguyet-anh, VU Van-liet, VU Thi-xuan-binh, LYU Rong-hua
1855 Effects of the different types of conditioners on remediation and microbial community in Cd-contaminated soil LI Qi, WANG Yan-hong, LI Yi-chun, LI Lin-feng, TANG Ming-deng, AI Shao-ying
1867 Effects of compound passivation material on soil arsenic availability and cabbage growth in farmland HUANG An-lin, FU Hui-cheng, CHAI Guan-qun, FAN Cheng-wu, LI Rui-jun, QIN Song
1875 Determination of sweet corn seed vigor by near infrared spectra and chemometrics ZHAO Bing, WANG Ai-wen, ZHAO Hua
1883 Effects of waterlogging at anthesis stage on nitrogen content of different forms in soil and nitrogen accumulation and translocation of wheat and yield LI Xia, LI Yun, LI Mu-rong, YIN Li-jun, WANG Xiao-yan, QI Dong-liang
1893 Effects of organic carbon fertilizer on the growth and yield formation and economic benefits of sugarcane FAN Bao-ning, QIU Li-hang, YOU Jian-hua, PANG Tian, LUO Han-min, QIN Nuo-zhong, YAN Hai-feng
1899 Effects of earthworm ecotype and density on comprehensive quality of watered land soil CHEN Jing, CHEN Jin-jie, YANG Qian-nan, CEVIN Tibihenda, LI Xiang-dong,
ZHANG Xiao-long, WANG Chao, ZHANG Chi, LIU Ke-xue
1908 Effects of cadmium pollution on fungal community structure and diversity in paddy field LUO Lu-yun, JIANG Hong-hua, WANG Dian-dong, ZHENG Li-min,
ZHANG De-yong, ZENG Jun, PENG Jun-cai, ZHANG Zhuo

Plant Protection · Agrometeorology

- 1917 Identification and growth characteristics determination of sweet potato foot rot pathogens TANG Wei, ZHANG Cheng-ling, WANG Fang, YANG Dong-jing,
MA Ju-kui, CHEN Jing-wei, XIE Yi-ping, SUN Hou-jun

- 1925 Identification of gray mold resistance in different rose varieties and phenotype correlation analysis LI Si-si, HAN Yang-lin, YUAN Wen-bin, YANG Jia, LI Xue, WU Hong-zhi
- 1935 Fumigant activity and chemical component analysis of essential oil of *Dodonaea viscosa* seed against 5 pathogenic fungi LIU Quan-jun, FU Li-xin, ZHANG Yang, LI Feng-chao, YU Hang, LI Jin-liang, QIN Xiao-ping
- 1944 Investigation into natural enemy species of *Diaphorina citri* in Nanning City BAI Jin-ming, HUANG Yuan-tengji, LIAO Yong-mei, HUANG Yi-man, ZHU Wen-qian, REN Li-yun
- 1953 Olfactory responses of *Endoclita signifer* Walker larvae to volatiles of eucalyptus trunks and shallow soil under eucalyptus forest XU Yuan, ZHANG Yu-jing, XIONG Yun-fan, HUANG Ying, ZHONG Sheng, ZHU Zhao-hua, YANG Zhen-de, HU Ping

Horticulture · Landscape Architecture · Forestry

- 1963 Amino acid accumulation characteristics in pericarp of germinating branches of *Zanthoxylum planispinum* var. *dintanensis* in different seasons WANG Deng-chao, FU Yu-rong, YU Yang-hua, CHEN Mao, WEI Chang-sheng
- 1973 Isolation and identification of *Lactarius deliciosus* and the interaction with *Pinus massoniana* XIANG Jian-wei, LONG Fang, ZHANG Li-qiu, ZHOU Jia-chun, ZHENG Wei, MA Qiong
- 1981 Establishment and application of total phenols content model of Chinese fir based on near-infrared spectroscopy CHENG Lin, HUANG Kai-yong, LAN Xiao, CHEN Dai-xi, LI Kui-peng, MO Zong-heng, WANG Bin, LAI Yuan-xiu
- 1989 Analysis of fruit volatile substances of 3 apple varieties in high altitude area of Guizhou Province HAN Xiu-mei, WU Ya-wei, FENG Jian-wen, SONG Sha, YANG Hua, LI Shun-yu

Animal Science · Veterinary Science · Aquaculture · Sericulture

- 1999 Proteomic analysis of skin tissue under different colors of wool of *Capra hircus* ZHANG Yan, SUN Bao-sheng, XIAO Gui-bang, YANG Yu-neng, YANG Hong-tao, LI Shi-chun, DENG Wei-xi
- 2007 Etiological analysis of 2 strains of genotype XII Newcastle disease viruses originated from geese in Guangxi ZENG Ting-ting, XIE Zhi-xun, HUA Jun, XIE Li-ji, LI Meng, HUANG Jiao-ling, ZHANG Min-xiu, ZHANG Yan-fang, YUAN Ya-dong, SA Wei
- 2015 Comparison of 21 mitochondrial *COI* gene sequences of Macrophthalmidae species and phylogenetic analysis MENG Lei, ZHANG Ying, ZHANG Xu, GONG Li, WEI Xin-xian, TONG Gui-xiang, GAO Yang
- 2025 Genetic diversity analysis of *Culter alburnus* populations in the lower reach of Yangtze River based on *COII* gene sequences ZHANG Gui-ning, FANG Di-an, XUE Xiang-ping, MAO Cheng-cheng, PENG Yun-xin
- 2033 Preparation of zebrafish zgc113227 polyclonal antibody and *Trachinotus ovatus* EVM0008813 peptide antibody ZHANG Yong-de, SONG Man-ling, LUO Hui, YU Yan-ling, LIN Yong, CHEN Xiao-han, FENG Peng-fei, LUO Hong-lin
- 2042 Observation on microscopic structure of feathers of 3 kinds of Passerine birds HOU Sen-lin, LIU Da-wei, FEI Yi-ling, WANG Bin
- 2049 Evaluation of associative effect of silage corn and silage pineapple residue by *in vitro* method GUO Guang-zhen, YANG Wei-guang, LIU Juan, WANG Sheng-nan, CHEN Jia-yi, PENG Su, YIN Fu-quan, GAO Zhen-hua, ZHAO Zhi-hui
- 2060 Effects of adding single and multiple lactic acid bacteria on silage of *Sorghum bicolor* × *Sorghum sudanense* FU Wei, CHEN Wei, WANG Xiao-li, ZHOU Li, QIN Tao-ying, HAN Yong-fen, MENG Jun-jiang

Agricultural Information Technology · Agriculture Economics

- 2068 Agricultural question classification model based on BERT word vector and TextCNN BAO Tong, LUO Rui, GUO Ting, GUI Shu-ting, REN Ni