



全国中文核心期刊
中国科技核心期刊
中国科学引文数据库来源期刊

ISSN 2095-1191

CODEN NNXAAB

南方农业学报

NANFANG NONGYE XUEBAO

第43卷 第12期 2012年12月

JOURNAL OF SOUTHERN AGRICULTURE

Vol.43 No.12 Dec. 2012

12

2012

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 43 卷 第 12 期 2012 年 12 月

目 次

作物遗传育种·种质资源·分子生物学

- 1911 云南湿润生态型甘蔗细茎野生种血缘 F_1 代创新种质材料同一度分类
周清明,边 芯,董立华,桃联安,杨李和,安汝东,朱建荣,孙友芳,经艳芬
- 1916 华南杂交稻亲本米质性状配合力的 SSR 标记鉴定
黄永相,郭建夫,王 慧,陈志强
- 1922 杂交水稻亲本亲和性改良研究初报
刘 驰,马曾凤,黄大辉,张月雄,李容柏
- 1927 白玉蔗组织培养研究
余坤兴,杨 柳,刘俊仙,李 松,方锋学,杨丽涛,李杨瑞
- 1934 Trizol 试剂法快速高效提取 3 种作物不同组织总 RNA
吴凯朝,黄诚梅,李杨瑞,杨丽涛,吴建明

耕作栽培·生理生化

- 1940 适合旱地单粒精播的高产花生品种筛选
钟瑞春,唐秀梅,陆文科,熊发前,韩柱强,李 涛,蒋 菁,李 忠,贺梁琼,唐荣华
- 1945 不同甘蔗品种对干旱和复水的生态生理响应
金 伟,杨丽涛,英 潘,杨建波,罗超有,李杨瑞
- 1952 氯吡脲和多效唑配施对山药叶片一些生理特性的影响
李创珍,王军民,徐 晶,何龙飞,何海旺
- 1958 植物染色体标本的制备和染色体核型分析研究进展
丁 鸿,邱东萍,陈少雄

植物保护·农业气象

- 1963 甘蔗种质资源抗宿根矮化病特性鉴定
张 妍,范业赓,莫璋红,吴凯朝,李 鸣,秦新民,梁 俊
- 1968 板栗苞壳提取物对思茅松毛虫肠道细菌的抑菌作用
刘绍雄,王明月,王金华,张敬宜,思 斯,熊 智
- 1973 拮抗菌 AYM-18 对番茄叶霉病的抑制作用
张雪辉,唐 蕊
- 1976 采用 CFDA 荧光染色技术监测木薯渣堆肥中的细菌动态
吴圣进,韦仕岩,王灿琴,汪 茜,覃晓娟,陈廷速

土壤肥料·节水灌溉·农业生态环境

- 1981 老挝中部不同利用方式土壤养分状况分析(英文)
刘 忠,唐其展,陈桂芬,蒙炎成
- 1986 施肥与植被覆盖对坡地铵态氮流失的影响
梁 丽,赵 梅
- 1991 不同温度及化肥绿肥施用比例对果园土壤有机碳矿化的影响
王 峰,王义祥,陈玉真,吴志丹,江福英,尤志明,张文锦,翁伯琦
- 1997 叶面肥对油茶幼苗生长及养分吸收的影响
何应会,曹继钊,唐 健,覃其云,宋贤冲,农必昌
- 2001 喷施叶面肥对塔罗科血橙果实色泽的影响
王 武,胡佳羽,陈 霞,程玥晴,谢永红

园艺·园林·林业

2006 木薯酒精渣适栽草菇品种筛选试验

覃晓娟,熊建文,韦仕岩,王灿琴,
晨 晓,吴圣进

2009 野生苦瓜与栽培苦瓜的生物学性状和光合特性比较

罗海玲,蒋义平,黄玉辉,刘杏连
闫海霞,武 鹏,曾文丹,万正林,

2015 光温对蝶豆种子萌发的影响

李杰梅,卜朝阳,邓俭英

2020 香蕉抹花、疏果、垫把及套袋技术在南宁市的应用研究

陆 丹,刘厚铭,欧桂兰,莫凯琳,
粟继军

2025 不同育苗方式及种粒大小对擎天树苗木生长的影响

梁 机,杜加加,罗桂强,苏金俊,
郑岚芳

2030 节约型城市绿地系统评价指标体系的构建
——以广西百色市为例

龚本海,黄海玲

2035 呼伦贝尔草原不同程度退化下羊草群落特征

桂 花,乌仁其其格

2040 粤东地区客家风水林群落特征研究

杨期和,陈美凤,赖万年,杨和生,
况 伟

加工·贮藏·农业工程

2045 云南不同产区烤烟致香物质含量分析

董高峰,张 强,孙 力,向 明,
卢 伟,李红武

2051 微波辅助提取芒果叶总黄酮的工艺研究

许晓鑫,黄咸洲,王 芳

2056 桑菊饮的抗氧化及保护线粒体作用

景晓卫,李兴泰

2060 不同配比污泥对玉米秸秆产气特性的影响

刘彦珍,李安华

2064 PVA/丝片化稻草复合材料的制备及其性能测定

吴传保,孙 平,王玉凤,曾湘晖

2069 云南三七工厂化育苗工程技术体系分析

杨文彩,朱有勇,杜 迁,奚 琪

畜牧·兽医·水产·蚕桑

2074 半滑舌鳎养殖群体性腺发育观察

梁 卓,陈松林,张 静,宋文涛,
刘姗姗

2079 鸡传染性法氏囊病病毒抗血清的研制

王占伟,邵国青,刘茂军,冯志新,
王 丽,高云飞,周开华,尹秀凤

2083 高原鼠兔种群密度与草场植被群落结构的相关性

刘菊梅,司万童

2087 黄芪多糖脂质体对罗非鱼免疫功能和抗氧化能力的影响

彭 婷,胡庭俊,陈 忠,林 勇,
唐章生,曾 兰,张 妍,蒋 斌

2092 不同类型养殖大水域主要理化因子动态变化分析

左 婷,姬永杰,陈福艳,程光平,
桑明远,邓荣志

2099 NS复合乳酸菌对猪生长性能及其肠道菌群平衡的影响

何 颖,陈忠伟,韦明宇,陈中华,
梁保忠,秦毅斌,梁家幸,赵 武,
苏乾莲,胡 旭,金 锋,孙志勇

专论·农业信息技术·农业经济

2104 四川省农作物育种攻关信息资源建设与服务效果评价

唐江云,李 晓,向 平,雷 波,
母培松,胡 亮,万志玲

2109 基于无线传感器网络的温室环境监测系统中低功耗协议研究

李 琼,杨 军

2113 广西蔗区新台糖 22 号种性退化现状分析及对策措施

韦昌联

2118 广西牡蛎养殖业的现状与对策

庞耀珊,谢芝勋,谢丽基,邓显文,
刘加波,谢志勤,范 晴

2122 广西北部湾海洋渔业科技组织与服务现状及发展对策

莫 云,何龙飞,詹 浩

2126 四川“三州”农村人力资源开发路径探析

刘小俊

JOURNAL OF SOUTHERN AGRICULTURE

Vo1. 43 No.12, 2012

CONTENTS

Crop genetics & breeding · germplasm resources · biotechnology

- 1911 Identical degree classification of humid ecotype thin-stalked *Saccharum spontaneum* L. F₁ generation innovation germplasm materials in Yunnan ZHOU Qing-ming, BIAN Xin, DONG Li-hua, TAO Lian-an, YANG Li-he, AN Ru-dong, ZHU Jian-rong, SUN You-fang, JING Yan-fen
- 1916 Identification of SSR markers linked with quality grain traits combining ability of elite hybrid rice parents in Southern China HUANG Yong-xiang, GUO Jian-fu, WANG Hui, CHEN Zhi-qiang
- 1922 Preliminary report on compatibility improvement of hybrid rice parents LIU Chi, MA Zeng-feng, HUANG Da-hui, ZHANG Yue-xiong, LI Rong-bai
- 1927 Tissue culture of Baiyu chewing cane YU Kun-xing, YANG Liu, LIU Jun-xian, LI Song, FANG Feng-xue, YANG Li-tao, LI Yang-rui
- 1934 Fast and effective total RNA extraction from different tissues in 3 crops through the Trizol reagent method WU Kai-chao, HUANG Cheng-mei, LI Yang-rui, YANG Li-tao, WU Jian-ming

Farming · physiology & biochemistry

- 1940 Screening high-yield peanut varieties under single-seed planting in dry-land ZHONG Rui-chun, TANG Xiu-mei, LU Wen-ke, XIONG Fa-qian, HAN Zhu-qiang, LI Tao, JIANG Jing, LI Zhong, HE Liang-qiong, TANG Rong-hua
- 1945 Eco-physiological responses of different sugarcane varieties to drought and re-watering JIN Wei, YANG Li-tao, YING Pan, YANG Jian-bo, LUO Chao-you, LI Yang-rui
- 1952 Effects of forchlorfenuron and paclobutrazol combination on the physiological characteristics of yam leaves LI Chuang-zhen, WANG Jun-min, XU Jing, HE Long-fei, HE Hai-wang
- 1958 Research progress in plant chromosome samples preparation and karyotype analysis DING Hong, QIU Dong-ping, CHEN Shao-xiong

Plant protection · agrometeorology

- 1963 Ratoon stunting disease resistance evaluation on sugarcane germplasm resources ZHANG Yan, FAN Ye-geng, MO Zhang-hong, WU Kai-chao, LI Ming, QIN Xin-min, LIANG Jun
- 1968 Inhibition effect of *Castanea mollissima* Blume bract extract on intestinal bacteria in *Dendrolimu kikuchii* Matsumura LIU Shao-xiong, WANG Ming-yue, WANG Jin-hua, ZHANG Jing-yi, SI Si, XIONG Zhi
- 1973 Inhibitory effect of antagonistic strain AYM-18 against tomato leaf mold ZHANG Xue-hui, TANG Rui
- 1976 Bacteria detection in cassava residue compost by CFDA fluorescent staining technique WU Sheng-jin, WEI Shi-yan, WANG Can-qin, WANG Qian, QIN Xiao-juan, CHEN Ting-su

Soil & fertilizer · water saving irrigation · agroecology environment

- 1981 Analysis of soil nutrient under different types of land-use in Central Laos LIU Zhong, TANG Qi-zhan, CHEN Gui-fen, SEN-GXUA Pheng, DUANPHADY Khonepany, MENG Yan-cheng, SU Li-rong
- 1986 Effect of fertilization and vegetation coverage on ammonium nitrogen runoff in slope soil LIANG Li, ZHAO Mei
- 1991 Effects of temperature and green manure treatments on organic carbon mineralization in orchard soil WANG Feng, WANG Yi-xiang, CHEN Yu-zhen, WU Zhi-dan, JIANG Fu-ying, YOU Zhi-ming, ZHANG Wen-jin, WENG Bo-qi
- 1997 Effect of different foliar fertilizer ratios on the growth and nutrient absorption of camellia seedling HE Ying-hui, CAO Ji-zhao, TANG Jian, QIN Qi-yun, SONG Xian-chong, NONG Bi-chang
- 2001 Effect of foliar fertilizer application on Tarocco blood orange coloration WANG Wu, HU Jia-yu, CHEN Xia, CHENG Yue-qing, XIE Yong-hong

Horticulture · landscape architecture · forestry

- 2006 Preliminary study on screening of optimum *Volvariella volvacea* varieties using cassava bagasse residue cultivation QIN Xiao-juan, XIONG Jian-wen, WEI Shi-yan, WANG Can-qin, CHEN Xiao, WU Sheng-jin
- 2009 Comparative study of the biological properties and photosynthetic characteristics between wild and cultivated bitter gourds LUO Hai-ling, JIANG Yi-ping, HUANG Yu-hui, LIU Xing-lian

- 2015 Influences of illumination and temperature on *Clitoria ternatea* L. seed germination YAN Hai-xia, WU Peng, ZENG Wen-dan, WAN Zheng-lin, LI Jie-mei, BU Zhao-yang, DENG Jian-ying
- 2020 Applied research on flower-wiping, fruit-thinning, fruit-padding, and fruit-bagging techniques on banana LU Dan, LIU Hou-ming, OU Gui-lan, MO Kai-lin, SU Ji-jun
- 2025 Effects of different seedling-raising methods and seed sizes on the nursery stock growth of *Parashorea chinensis* LIANG Ji, DU Jia-jia, LOU Gui-qiang, SU Jin-jun, ZHENG Lan-fang
- 2030 Research on resources-saving urban green space evaluation index system——A case study in Baise City, Guangxi GONG Ben-hai, HUANG Hai-ling
- 2035 Characteristics analysis in *Leymus chinensis* communities in various degradation degrees on Hulunbeir prairie GUI Hua, Wurenqiqige
- 2040 Community characteristics investigation of Fengshui woods in Eastern Guangdong Province YANG Qi-he, CHEN Mei-feng, LAI Wan-nian, YANG He-sheng, KUANG Wei

Processing·storage·agricultural engineering

- 2045 Analysis of aroma component content in flue-cured tobacco planting from Yunnan Province DONG Gao-feng, ZHANG Qiang, SUN Li, XI-ANG Ming, LU Wei, LI Hong-wu
- 2051 Study on total flavonoids extraction from *Mangifera indica* L. leaves through the microwave-assisted extraction method XU Xiao-xin, HUANG Xian-zhou, WANG Fang
- 2056 Studies on antioxidant and mitochondria protection in Sangju drink JING Xiao-wei, LI Xing-tai
- 2060 Effect of different concentrations of anaerobic sludge on corn stalk biogas production LIU Yan-zhen, LI An-hua
- 2064 Preparation and properties of PVA/silky straw composite materials WU Chuan-bao, SUN Ping, WANG Yu-feng, ZENG Xiang-hui
- 2069 Engineering and technology system analysis on pseudo-ginseng industrial seedling production in Yunnan YANG Wen-cai, ZHU You-yong, DU Qian, XI Qi

Animal science·veterinary science·aquiculture·sericulture

- 2074 Gonadal development process observation of half-smooth tongue sole in rearing population LIANG Zhuo, CHEN Song-lin, ZHANG Jing, SONG Wen-tao, LIU Shan-shan
- 2079 Antiserum development for chicken infectious bursal disease virus WANG Zhan-wei, SHAO Guo-qing, LIU Mao-jun, FENG Zhi-xin, WANG Li, GAO Yun-fei, ZHOU Kai-hua, YIN Xiu-feng
- 2083 Correlation between population density of plateau pika and community structure of grassland LIU Ju-mei, SI Wan-tong
- 2087 Effects of astragalus polysaccharide liposome on the immunity and antioxidant activities of Nile tilapia PENG Ting, HU Ting-jun, CHEN Zhong, LIN Yong, TANG Zhang-sheng, ZENG Lan, ZHANG Yan, JIANG Bin
- 2092 Main physicochemical factors dynamic changes in different types of breeding waters ZUO Ting, JI Yong-jie, CHEN Fu-yan, CHENG Guang-ping, SANG Ming-yuan, DENG Rong-zhi
- 2099 Effects of NS-lactobacillus complex on intestinal flora balance and growth performance of pigs HE Ying, CHEN Zhong-wei, WEI Ming-yu, CHEN Zhong-hua, LIANG Bao-zhong, QIN Yi-bing, LIANG Jia-xing, ZHAO Wu, SU Qian-lian, HU Xu, JIN Feng, SUN Zhi-yong

Monographs·agricultural information technology·agriculture economics

- 2104 Performance evaluation of crops breeding information resources construction and services in Sichuan Province TANG Jiang-yun, LI Xiao, XIANG Ping, LEI Bo, MU Pei-song, HU Liang, WAN Zhi-ling
- 2109 Low power consumption protocol of greenhouse environment monitoring system based on wireless sensor network LI Qiong, YANG Jun
- 2113 Analysis and countermeasures of the degradation status of the sugarcane variety ROC22 in Guangxi WEI Chang-lian
- 2118 Current situations and countermeasures of oyster industry in Guangxi PANG Yao-shan, XIE Zhi-xun, XIE Li-ji, DENG Xian-wen, LIU Jia-bo, XIE Zhi-qin, FAN Qing
- 2122 Current situations and strategies of Guangxi Beibu Gulf marine fishery science and technology organization services MO Yun, HE Long-fei, ZHAN Jie
- 2126 Rural human resources development path analysis in Sichuan "Three Prefectures" LIU Xiao-jun