

中文核心期刊

全国农业学会优秀期刊奖

ISSN 1000-2561

中国科技核心期刊

中国核心期刊(遴选)数据库源期刊

CODEN RZXUEX

中国农业科技核心期刊

热带农业文摘(荷兰)源期刊

全国优秀科技期刊奖

国际热带农业中心CIAT收录期刊

热带作物学报

REDAI ZUOWU XUEBAO

CHINESE JOURNAL OF TROPICAL CROPS



主 办 中国热带作物学会

第 34 卷 第 01 期(月刊) Vol.34 No.01(Monthly)

2013.01



万方数据

热带作物学报

2013年1月 第34卷第1期 (月刊 1980年创刊)

目次

遗传育种、作物营养与栽培

- 188份巴西橡胶树种质材料AFLP指纹图谱分析.....钟淦彬, 李维国, 吴春太, 易晓洁 (001)
- 菠萝冠芽变异及鸡冠状冠芽遗传稳定性初步研究.....吴青松, 孙伟生, 李运合, 孙光明 (010)
- 4种文心兰的核型分析.....杨光穗, 黄素荣, 黄少华, 周艳霞 (014)
- 苎麻属野生植物农艺性状、纤维物理性能及其相关性研究.....孟桂元, 伍波, 周静, 孙焕良 (018)
- 基于滴灌条件下的甘蔗施肥减量技术研究.....谭宏伟, 刘永贤, 周柳强, 谢如林, 杨尚东, 黄金生, 黄美福 (024)
- 包膜尿素与水耦合作用对甘蔗产量品质的影响.....施卫省, 彭争, 李洋 (029)
- 高产冬种马铃薯的钾素吸收、积累、分配特征研究.....曹先维, 汤丹峰, 陈洪, 全锋, 贺奕民, 伍尤国, 张新明 (033)
- 不同施肥及修剪措施对香叶天竺葵

出油率及生物产量的影响.....段曰汤, 黄文英, 刘海刚, 瞿文林, 何璐, 马开华, 杨子祥 (037)

生物技术与组织培养

- 橡胶树3个可溶性无机焦磷酸酶基因的原核表达.....朱家红, 徐靖, 于晓惠, 畅文军, 张治礼 (041)
- 福州宦溪野生蕉 (*Musa spp.* AB group) 2个PSAG成员的克隆及生物信息学分析.....刘炜焜, 赖钟雄 (046)
- 草莓*psy*、*pds*和*zds*基因克隆及植物表达载体的构建.....朱海生, 陈敏敏, 林晖, 花秀凤, 温庆放 (054)
- 剑麻愈伤组织的诱导和再生体系的建立.....张燕梅, 陈志, 李俊峰, 周文钊, 陆军迎 (061)
- 樟树优良家系的组培育苗技术研究.....周丽华, 蔡燕灵, 曾令海, 蔡静如, 张谦 (067)
- 高含油小球藻紫外突变CE14-67培养条件优化.....邓晓东, 周玉娇, 费小雯 (074)

植物生理生化

- 橡胶树3个品系产排胶特性季节变化的比较.....王岳坤, 阳江华, 秦云霞, 戚继艳, 龙翔宇, 唐朝荣 (081)
- 枇杷二次短截修剪对结果母枝和果实品质的影响.....许奇志, 蒋际谋, 林美和, 邓朝军, 郑少泉, 许秀淡 (087)
- 不同品种火龙果耐盐差异性研究.....袁亚芳, 陈明贤, 陈清西, 余志雄, 郑梦娇 (092)

作物病虫害及防治、环境保护

- 9种热区植物白粉病菌的rDNA-ITS序列及系统发育分析.....刘先宝, 高宏华, 蔡吉苗, 张新春, 黄贵修 (098)
- 大蕉枯萎病原菌的分离、鉴定和致病性测定.....郭立佳, 彭军, 杨腊英, 王国芬, 梁昌聪, 刘磊, 黄俊生 (105)
- 不同香蕉品种多聚半乳糖醛酸酶抑制蛋白活性的比较.....刘昆昂, 王振中 (111)
- 拮抗香蕉枯萎病菌的解淀粉芽孢杆菌LX1菌株的

- 鉴定及其抗菌蛋白基因的克隆.....卢娟, 夏启玉, 顾文亮, 孙建波, 卢雪花, 张欣, 王宇光 (117)
- 比较12个OsHsf在抗感水稻品种响应白叶枯病菌中的表达.....匡洁, 胡海涛, 张维林, 王长春, 杨玲 (125)
- ‘隆丰黑李’细菌性穿孔病病害调查及杀菌剂对其病原菌毒力测定.....姚锦爱, 余德亿, 黄鹏, 方大琳 (130)
- 植物根际促生菌及其在克服连作障碍中的潜力.....檀国印, 杨志玲, 袁志林, 杨旭 (135)
- 不同诱捕处理在苦瓜地上对瓜实蝇和

- 桔小实蝇的诱捕效果研究.....廖永林, 张杨, 李燕芳, 肖汉祥, 张振飞, 符悦冠 (142)
- 海南岛农田土壤重金属背景值评价方法研究——以铬为例.....王登峰, 魏志远, 漆智平 (146)

农产品加工、贮藏、保鲜与分析检测

- 云南普洱茶不同溶剂提取物抗氧化活性研究.....郭刚军, 彭春秀, 何享, 龚加顺 (151)
- 小乔木型中叶类茶树品种的扁形绿茶加工工艺研究.....郭雅玲, 赖凌凌 (157)
- 抗氧化剂对胡椒调味油贮藏稳定性的影响.....刘红, 谭乐和, 郭华松, 赵建平, 初众, 谷凤林, 宗迎, 朱红英 (164)
- 艾纳香总黄酮提取工艺的研究.....庞玉新, 王丹, 袁媛, 于福来, 武孔媛, 邱明 (168)
- 1株产细菌素海洋乳酸菌的分离筛选及鉴定.....赵鸭美, 刘林, 安静莹, 胡雪琼, 刘颖 (171)

资源区划与生态学

- 检疫性杂草甘菊在中国的适生性与分布.....郭琼霞, 黄振, 于文涛, 虞赞, 鲁志彤, 黄可辉 (176)
- 八门湾红树林土壤可培养真菌的多样性分析.....徐友林, 刘敏, 黄惠琴, 朱军, 鲍时翔 (181)

综述

- 特色热带作物种质资源收集评价与创新利用.....王庆煌, 陈业渊, 李琼, 何云 (188)
- 荔枝蟥防治研究进展.....黎荣欣, 赵冬香, 王玉洁, 高景林 (195)
- 富硒茶的研究进展.....温立香, 郭雅玲 (201)

CHINESE JOURNAL OF TROPICAL CROPS

Jan. 2013 Vol.34 No.01 (Monthly, Founded in 1980)

CONTENTS

Genetic Breeding, Crop Nutrition and Culture

AFLP Analysis of 188 Germplasms Material for

Rubber Tree (*Hevea brasiliensis*).....ZHONG Ganbin, LI Weiguo, WU Chuntai, YI Xiaojie (001)

Variation and the Heredity Stability of Cockscomb Buds in

Pineapple [*Ananas comosus* (L) Merr].....WU Qinsong, SUN Weisheng, LI Yunhe, SUN Guangming (010)

The Karyological Study of Four Species of *Oncidiinae*YANG Guangsui, HUANG Surong, HUANG Shaohua, ZHOU Yanxia (014)

Agronomic Traits, Fiber Physical Properties and

Their Correlation of Wild *Boehmeria*.....MENG Guiyuan, WU Bo, ZHOU Jing, SUN Huanliang (018)

Reduction Fertilization Techonogies under Drip for Sugarcane

IrrigationTAN Hongwei, LIU Yongxian, ZHOU Liuqiang, XIE Rulin, YANG Shangdong, HUANG Jinsheng, HUANG Meifu (024)

Effect of Coupling Coated Urea and Water on the Quality of Sugarcane.....SHI Weisheng, PENG Zheng, LI Yang (029)

Potassium Absorption, Accumulation and Distribution Characteristics of

Potato in Winter.....CAO Xianwei, TANG Danfeng, CHEN Hong, QUAN Feng, HE Yimin, WU Youguo, ZHANG Xinming (033)

The Impact of Fertilization Measures and Harvest Times on Oil Extraction Rate and Biomass Yield of

Pelargonium graveolens L.DUAN Yuetang, HUANG Wenying, LIU Haigang, QU Wenlin, HE Lu, MA Kaihua, YANG Zixiang (037)

Biotechnology and Tissue Culture

Prokaryotic Expression for Three Soluble Inorganic Pyrophosphatase

Genes from *Hevea brasiliensis*ZHU Jiahong, XU Jing, YU Xiaohui, CHANG Wenjun, ZHANG Zhili (041)

Cloning and Bioinformatics Analysis of Two Members of *PSA G* in the

Wild Banana (*Musa* spp., AB Group) from Huanxi Town in FuzhouLIU Weihua, LAI Zhongxiong (046)

Cloning of *psy*, *pds* and *zds* of Strawberry and Construction of

Their Plant Expression Vectors.....ZHU Haisheng, CHEN Mindong, LIN Hui, HUA Xiufeng, WEN Qingfang (054)

Establishment of Sisal Callus Induction and

Shoot Regeneration System.....ZHANG Yanmei, Chen Zhi, LI Junfeng, ZHOU Wenzhao, LU Junying (061)

Tissue Culture and Micropropagation of Superior Families of

Cinnamomum camphora (L.) Presl.ZHOU Lihua, CAI Yanling, ZENG Linghai, CAI Jingru, ZHANG Qian (067)

Optimizing the Cultivation Condition of the High Oil Content

Ultraviolet Mutant *Chlorella vulgaris* CE14-67.....DENG Xiaodong, ZHOU yujiao, FEI Xiaowen (074)

Phytophysiology and Biochemistry

Comparative Study on the Seasonal Variation of Latex Physiological Characters from

three *Hevea* Clone WANG Yuekun, YANG Jianghua, QIN Yunxia, QI Jiyan, LONG Xiangyu, TANG Chaorong (081)

The Influence on Fruiting Cane and Fruit Quality of Loquat by

Twice Cutting Back Pruning XU Qizhi, JIAN JiMou, LIN MeiHe, DENG ChaoJun, ZHENG Shaoquan, XU Xiudang (087)

The Difference of Salt Tolerance of Different

Pitaya CultivarsYUAN Yafang, CHEN Mingxian, CHEN Qingxi, YU Zhixiong, ZHENG Mengjiao (092)

CHINESE JOURNAL OF TROPICAL CROPS

Jan. 2013 Vol.34 No.01 (Monthly, Founded in 1980)

Crop Pests, Diseases and Their Control

Phylogenetic Relationships and rDNA-ITS Sequence Analyses of

Powdery Mildews on Some Plants in Tropical Regions.....LIU Xianbao, GAO Honghua, CAI Jimiao, HUANG Guixiu (098)

Isolation and Identification of Plantain (*Musa paradisiaca* Linn.) Fusarium Wilt Disease Pathogen and

Pathogenicity Test.....GUO Lijia, PENG Jun, YANG Laying, WANG Guofen, LIANG Changcong, LIU Lei, HUANG Junsheng (105)

Comparison of the Activity of Polygalacturonase Inhibiting Proteins in Different Banana Varieties.....LIU Kunang, WANG Zhenzhong (111)

Isolation, identification of *Bacillus amyloliquefaciens* LX1 Strain Againsts *Fusarium oxysporum* f.sp.*cubense* and Cloning

of Its Antifungal Protein Gene.....LU Juan, XIA Qiyu, GU Wenliang, SUN Jianbo, LU Xuehua, ZHANG Xin, WANG Yuguang (117)

Comparative Expression Analysis of Twelve *OsHsf*s in Resistant and

Susceptible Rice to Bacterial Blight.....KUANG Jie, HU Haitao, ZHANG Weilin, WANG Changchun, YANG Ling (125)

Investigation of Plum Bacterial Shot-hole on "LongFeng" Black Plum and

Determination Virulence of Fungicide to the PathogenYAO Jinai, YU Deyi, HUANG Peng, FANG Dalin (130)

Plant Growth-promoting Rizobacteria and Its Potential in

Overcoming Continuous Cropping Obstacles.....TAN Guoyin, YANG Zhiling, YUAN Zhilin, YANG Xu (135)

Trapping Effects of Different Trapping Methods to *Bactrocera Dorsalis* and *Bactrocera Cucurbitae* in

Bitter Gourd Field.....LIAO Yonglin, ZHANG Yang, LI Yanfang, XIAO Hanxiang, ZHANG Zhenfei, FU Yueguan (142)

Background Estimation of Cr in Arable Land Soil of Hainan, China.....WANG Dengfeng, WEI Zhiyuan, QI Zhiping (146)

Agricultural Product Processing, Storage, Analysis and Detection

Antioxidant Activity of Different Solvent Extracts of Yunnan Pu-erh Teas.....GUO Gangjun, PENG Chunxiu, HE Xiang, GONG Jiashun (151)

Process Optimization of Flat-shaped Green Tea with Tea Cultivars of Subarbor and Middle Leaves.....GUO Yaling, LAI Lingling (157)

Effect of Antioxidants on the Storage Stability of Pepper

Condiment Oil.....LIU Hong, TAN Lehe, WU Huasong, ZHAO Jianping, CHU Zhong, GU Fenglin, ZONG Ying, ZHU Hongying (164)

The Extraction Technology of Total Flavonoids from

Blumea balsamifera (L.) DC.PANG Yuxin, WANG Dan, YUAN Yuan, YU Fulai, WU Kongyuan, DI Ming (168)

Screening and Identification of a Bacteriocin-producing

Marine Lactic Acid Bacterium.....ZHAO Yamei, LIU Lin, AN Jingying, HU Xueqiong, LIU Ying (171)

Resources Division and Ecology

The Potential Distribution of Quarantine

Mikania micrantha in China.....GUO Qionxia, HUANG Zhen, YU Wentao, YU Yun, LU Zhitong, HUANG Kehui (176)

Diversity of Soil Culturable Fungi in

Bamen Bay Mangrove Forests.....XU Youlin, LIU Min, HUANG Huiqin, ZHU Jun, BAO Shixiang (181)

Review

Collection, Evaluation and Innovative Use of the

Special Tropical Crops Genetic Resources.....WANG Qinghuang, CHEN Yeyuan, LI Qiong, HE Yun (188)

Research Progress of Controlling *Tessaratoma papillosa* (Drury).....LI Rongxin, ZHAO Dongxiang, WANG Yujie, GAO Jinglin (195)

Research Progress of Selenium-enriched Tea in China.....WEN Lixiang, GUO Yaling (201)