

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 06 期(月刊) Vol.34 No.06(Monthly)

2013.06

ISSN 1000-2561



9 771000 256131

06>



万方数据

目次

遗传育种、作物营养与栽培

橡胶树三倍体种质创制及生物学鉴定.....赖杭桂, 陈霞, 徐洪伟, 吴繁花, 唐燕琼, 胡新文 (1001)

根癌农杆菌介导柱花草炭疽菌遗传转化体系的优化

.....胡彩平, 郑金龙, 高建明, 蔡志英, 黄贵修, 习金根, 张世清, 陈河龙, 易克贤 (1007)

基于EST-SSRs的巴西橡胶树魏克汉种质核心种质构建研究.....方家林, 龙青娥, 华玉伟, 黄华孙 (1013)

木薯遗传图谱16号连锁群与其细胞学图谱的整合.....王婧菲, 高和琼, 庄南生, 李开绵, 王英 (1018)

施用生物有机肥对可可苗期生长及土壤酶活性的影响

.....赵青云, 王华, 王辉, 朱飞飞, 赵秋芳, 赵溪竹, 鱼欢, 朱自慧 (1024)

耕作方式对不同抛秧水稻品种立苗期根系生长的影响

.....秦华东, 张玉, 肖巧珍, 江立庚, 徐世宏, 丁成泉, 杨彩铃, 汪妮娜 (1029)

利用改良型cDNA-AFLP技术筛选木薯干旱胁迫相关基因.....王宇阳, 陈新, 夏志强, 陈青, 王文泉 (1033)

冬种马铃薯的氮素吸收、积累、分配特征研究.....汤丹峰, 张新明, 陈洪, 全锋, 伍尤国, 曹先维 (1041)

腰果叶片氮磷钾年周期变化及再吸收效率.....王金辉, 黄海杰, 黄伟坚, 张中润, 梁李宏 (1045)

逆境条件下烟草维生素B₆存在形态的变化.....王灵红, 黄龙全, 张剑韵 (1050)

海南岛旱季气候变化对冬季瓜菜生产的影响.....周鹏, 杨福孙, 陈汇林, 侯伟 (1054)

蝴蝶兰27个品种观赏性状评价.....陈和明, 朱根发, 操君喜, 李佐, 尤毅, 肖文芳, 李冬梅, 吕复兵 (1060)

生物技术与组织培养

巴西橡胶树蔗糖磷酸合成酶基因的克隆和表达分析.....肖小虎, 方永军, 曹冰, 龙翔宇, 秦云霞, 唐朝荣 (1065)

甘蔗割手密种和热带种基因差异表达的基因芯片和Solexa高通量技术

的比较分析.....侯平, 王英, 高和琼, 庄南生 (1071)

PRSV-NiB基因同源dsRNA的原核表达及其在番木瓜叶片原生质体

瞬时表达体系中诱导RNA沉默的研究.....杨国峰, 沈文涛, 言普, 黎小瑛, 周鹏 (1076)

木薯苹果酸脱氢酶基因克隆和表达分析

.....尹奇, 仝征, 贺庭琪, 王力敏, 黄启星, 郭运玲, 孔华, 王旭初, 郭安平 (1082)

不同品种木薯叶绿体比较蛋白质组学初步研究

.....贺庭琪, 徐兵强, 郭安平, 王力敏, 王丹, 黄启星, 仝征, 尹奇, 王旭初 (1090)

香蕉泛素结合酶基因的克隆及其功能初步分析.....李羽佳, 金志强, 刘菊华, 贾彩红, 张建斌, 王甲水, 许奕, 徐碧玉 (1098)

脐橙CsACBP₃基因家族在果皮褐变过程中的表达分析.....杨阳, 唐宁, 李正国 (1103)

几种常见蝴蝶兰组培突变体的RAPD检测.....肖文芳, 李佐, 尤毅, 陈和明, 吕复兵 (1110)

植物生理生化

叶色白化水稻突变体转绿中若干生理与叶绿体发育特型的研究.....武立权, 尤翠翠, 柯建, 何清华 (1115)

氮素对模拟胁迫下土沉香幼苗抗旱生理的影响.....杨晓清, 周再知, 梁坤南, 马华明, 黄桂华 (1121)

7个水稻品种非结构性物质积累量及其再转移速度的比较研究.....辛阳, 杨重法, 王清峰, 罗海伟 (1128)

文心兰唇瓣花色表型及类黄酮色素组成.....李崇晖, 黄少华, 黄明忠, 徐世松 (1133)

作物病虫害及防治、环境保护

木薯细菌性枯萎病菌hprG基因突变体的获得.....时涛, 李超萍, 刘先宝, 黄贵修 (1139)

木薯细菌性枯萎病菌转座子库的构建及其质量评价.....陈江莎, 李超萍, 祝天成, 时涛, 黄贵修 (1144)

甘蔗黑穗病菌拮抗菌HAS的筛选和鉴定.....熊国如, 赵更峰, 伍苏然, 冯翠莲, 张树珍 (1149)

枯草芽孢杆菌CS16抑菌活性与胞外产物成分分析.....李占飞, 林陈强, 张慧, 李昱, 林新坚, 陈济琛 (1155)

菠萝粉蚨种类调查及发生规律研究.....何衍彪, 詹儒林, 刘映红, 孙光明, 李国平, 赵艳龙 (1161)

高温对阿里山潜蝇茧蜂体内保护酶系活性的影响.....郭俊杰, 王勇, 季清娥, 陈家骅 (1166)

农产品加工、贮藏、保鲜与分析检测

无刺卡因菠萝果实发育期间香气物质的变化.....张钰乾, 魏长宾, 刘胜辉, 何新华, 孙光明, 孙伟生 (1170)

石蒜生物碱的双向薄层色谱分析及气质联用鉴定.....张玉琼, 高翠云, 朱景存, 董召荣, 陈娜 (1176)

极香罗勒的花、叶和茎挥发性成分比较分析.....张玄兵, 王健, 谢琳, 张银东 (1182)

香蕉果实乙烯释放量GC的测定方法及其不同处理下的变化趋势

.....王甲水, 贾彩红, 张建斌, 刘菊华, 金志强, 徐碧玉 (1188)

综述与文献计量学

人工味觉系统在茶叶品质评价中的应用进展.....郭雅玲, 赖凌凌 (1192)

《热带作物学报》2008~2012年载文、作者及引文分析.....黄东杰, 李永龙, 孙继华 (1200)

CONTENTS

Genetic Breeding, Crop Nutrition and Culture

Creation and Biological Identification of Triploid Germplasm in Rubber Tree

.....LAI Hanggui, CHEN Xia, XU Hongwei, WU Fanhua, TANG Yanqiong, HU Xinwen (1001)

Optimization of Genetic Transformation System of *Stylo Anthracnose* Mediated by *Agrobacterium tumefaciens*.....HU Caiping,

ZHENG Jinlong, GAO Jianming, CAI Zhiying, HUANG Guixiu, XI Jingen, ZHANG Shiqing, CHEN Helong, YI Kexian (1007)

Establishment of a *Hevea brasiliensis* Germplasm Core Collection Based on EST-SSRs

.....FANG Jialin, LONG Qingyi, HUA Yuwei, HUANG Huasun (1013)

Integration of Sixteenth Linkage Group of Genetic and Cytological Maps in Cassava

.....WANG Jingfei, GAO Heqiong, ZHUANG Nansheng, LI Kaimian, WANG Ying (1018)

Effects of Different Bio-organic Fertilizer Application on Cacao Plant Growth and Soil Enzyme Activities

.....ZHAO Qingyun, WANG Hua, WANG Hui, ZHU Feifei, ZHAO Qiufang, ZHAO Xizhu, YU Huan, ZHU Zihui (1024)

Effect of Tillage Pattern on Root Growth of Different Rice Cultivar During Seedling Standing Period

.....QIN Huadong, ZHANG Yu, XIA Qiaozhen, JIANG Ligeng, XU Shihong, DING Chengquan, YANG Cailing, WANG Nina (1029)

Modified cDNA-AFLP Technique Analysis of Drought-resistance Related Genes Screened

in Cassava (*Manihot esculenta* Crantz).....WANG Yuyang, CHEN Xin, XIA Zhiqiang, CHEN Qing, WANG Wenquan (1033)

Characteristics of Nitrogen Absorption, Accumulation and Distribution of Winter Potato

.....TANG Danfeng, ZHANG Xinming, CHEN Hong, QUAN Feng, WU Youguo, CAO Xianwei (1041)

Annual Variation and Resorption Characteristic of Leaf N, P and K of Cashew

.....WANG Jinhui, HUANG Haijie, HUANG Weijian, ZHANG Zhongrun, LIANG Lihong (1045)

Changes of the Existing Forms of Vitamin B₆ in Tobacco in Response to Abiotic Stress

.....WANG Linghong, HUANG Longquan, ZHANG Jianyun (1050)

Climate Change in Dry Season to Winter Vegetables Production in Hainan.....ZHOU Peng, YANG Fusun, CHEN Huilin, HOU Wei (1054)

Ornamental Characteristics Evaluation of 27 *Phalaenopsis* Varieties

.....CHEN Heming, ZHU Genfa, CAO Junxi, LI Zuo, YOU Yi, XIAO Wenfang, LI Dongmei, Lü Fubing (1060)

Biotechnology and Tissue Culture

Cloning and Expression Analysis of a Sucrose Phosphate Synthase Gene in *Hevea brasiliensis*

.....XIAO Xiaohu, FANG Yongjun, CAO Bing, LONG Xiangyu, QIN Yunxia, TANG Chaorong (1065)

Comparison Between Gene Chip Technology and Solexa Sequencing for Differential Expression of Genes

in *Saccharum officinarum* and *S. spontaneum*.....HOU Ping, WANG Ying, GAO Heqiong, ZHUANG Nansheng (1071)

Bacterially Expressed Double-stranded RNAs Targeting PRSV-NiB Gene Inducing RNA Silencing

in Papaya Protoplasts.....YANG Guofeng, SHEN Wentao, YAN Pu, LI Xiaoying, ZHOU Peng (1076)

Cloning and Expression Analysis of *Malate Dehydrogenase* Gene from Cassava

.....YIN Qi, TONG Zheng, HE Tingqi, WANG Limin, HUANG Qixing, GUO Yunlin, KONG Hua, WANG Xuchu, GUO Anping (1082)

Comperative Proteomic of Chloroplast From Different Species of *Manihot esculenta*

...HE Tingqi, XU Bingqiang, GUO Anping, WANG Limin, WANG Dan, HUANG Qixing, TONG Zheng, YIN Qi, WANG Xuchu (1090)

Cloning and Expression Analysis of *mauce2* Gene from Banana's Root

.....LI Yujia, JIN Zhiqiang, LIU Juhua, JIA Caihong, ZHANG Jianbin, WANG Jiashui, XU Yi, XU Biyu (1098)

CHINESE JOURNAL OF TROPICAL CROPS

Jun. 2013 Vol.34 No.06 (Monthly, Founded in 1980)

Expression Analysis of *CsA CBPs* Genes from Navel Orange during the Pitting of Fruits.....YANG Yang, TANG Ning, LI Zhengguo (1103)

Detection of Several Common *Phalaenopsis* Somaclonal Mutants by RAPD

.....XIAO Wenfang, LI Zuo, YOU Yi, CHEN Heming, Lü Fubing (1110)

Phytophysiology and Biochemistry

Chloroplast Development and Physiological Characteristics of Green-Revertible Albino

Leaf Color Mutants in Rice.....WU Liquan, YOU Cuicui, KE Jian, HE Qinghua (1115)

Effects of Nitrogen Nutrition on Physiological Traits of the *Aquilaria Sinensis* Seedlings

Under Simulated Water Stress.....YANG Xiaoqing, ZHOU Zaizhi, LIANG Kunnan, MA Huaming, Huang Guihua (1121)

Studies on Accumulation and Translocation Rate of the Non-structural Matter in Seven Different Rice Varieties

.....XIN Yang, YANG Zhongfa, WANG Qingfeng, LUO Haiwei (1128)

Labellum Colors of *Oncidium* Alliance and Their Flavonoid Composition

.....LI Chonghui, HUANG Shaohua, HUANG Mingzhong, XU Shisong (1133)

Crop Pests, Diseases and Their Control

Establishment of *hrpG* Gene Mutant from *Xanthomonas axonopodis* pv. *manihotis*

.....SHI Tao, LI Chaoping, LIU Xianbao, HUANG Guixiu (1139)

Construction of Transformants Library in *Xanthomonas axonopodis* pv. *manihotis*

and It's Quality Assessment.....CHEN Jiangsha, LI Chaoping, ZHU Tiancheng, SHI Tao, HUANG Guixiu (1144)

Screening and Identification of a Biocontrol Strain, HAS Antagonistic to *Sporisorium scitaminea* Syd

.....XIONG Guoru, ZHAO Gengfeng, WU Suran, FENG Cuilian, ZHANG Shuzhen (1149)

Analysis of Antimicrobial Activity and Extracellular Metabolites of *Bacillus subtilis* Strain CS16

.....LI Zhanfei, LIN Chenqiang, ZHANG Hui, LI Yu, LIN Xinjian, CHEN Jichen (1155)

Survey of the Pineapple Mealybugs and Their Occurrence Rule in China

.....HE Yanbiao, ZHAN Rulin, LIU Yinghong, SUN Guangming, LI Guoping, ZHAO Yanlong (1161)

The Influence of the Activity of *Fopius arisanus* (Sonan) Protective Enzyme System

at High Temperature.....GUO Junjie, WANG Yong, JI Qinge, CHEN Jiahua (1166)

Agricultural Product Processing, Storage, Analysis and Detection

The Variation of Aroma Components of Smooth Cayenne Pineapple during Fruit Development

.....ZHANG Yuqian, WEI Changbin, LIU Shenghui, HE Xinhua, SUN Guangming, SUN Weisheng (1170)

The Analysis of *Lycoris radiata* Alkaloids by Two-Dimensional TLC and Identification by GC-MS

.....ZHANG Yuqiong, GAO Cuiyun, ZHU Jingcun, DONG Zhaorong, CHEN Na (1176)

Comparative Analysis on Volatile Compounds of Flowers, Leaves and Stems of Basil

.....ZHANG Xuanbing, WANG Jian, XIE Lin, ZHANG Yingdong (1182)

Determination of Ethylene Release Rate in Banana Fruit Using Gas Chromatography

.....WANG Jiashui, JIA Caihong, ZHANG Jianbin, LIU Juhua, JIN Zhiqiang, XU Biyu (1188)

Review and Bibliometrics

Advances: Applications of Artificial Taste Systems in Tea Quality Evaluation.....GUO Yaling, LAI Lingling (1192)

Bibliometric Analysis of the Author, Papers and Citation in Chinese Journal

of Tropical Crops During the Years from 2008 to 2012.....HUANG Dongjie, LI Yonglong, SUN Jihua (1200)