

目次

● 特约论文

香蕉 miR164-NAC 调控模块的鉴定与分析

..... 朱虹, 曾俊, 孔祥锦, 彭宽, 朱孝扬, 温玲蓉, 屈红霞, 蒋跃明 (1)

基于 SSR 标记的 12 个非洲菊品种指纹图谱构建及杂交 F_1 后代鉴定

..... 刘小飞, 于波, 任桂萍, 余超然, 刘冲, 孙映波, 钟荣辉, 冯恩友 (16)

● 种质资源收集保存与评价利用

广东增城兰溪荔枝种质资源调查与分析

..... 冯延聪, 吉娜, 聂博轩, 刘帅, 张湛辉, 赵明磊, 廖美敬, 李建国 (25)

50 份黄瓜核心种质的 SSR 标记筛选与聚类分析

..... 金庆敏, 林毓娥, 吴廷全, 钟玉娟, 王瑞 (39)

基于 SSR 分子标记的‘粤秀 3 号’黄瓜杂交种子纯度及真实性鉴定

..... 金庆敏, 林毓娥, 王瑞, 钟玉娟, 吴廷全 (49)

野生香菇菌株鉴定及其与栽培菌株的生物学特性比较

..... 李宏月, 欧小云, 刘斌 (59)

● 遗传育种

园艺植物 *WRKY* 基因功能研究进展

..... 叶红, 王斌, 任飞, 朱云娜, 肖艳辉, 何金明, 王玉昆 (68)

荔枝铝激活苹果酸转运蛋白基因家族的鉴定及表达分析

..... 钱义容, 王弋, 全振炫, 郑雪文, 李伟才, 董晨 (79)

菜心 *BcCIPK23* 基因克隆及表达特性分析

..... 朱云娜, 杨景辉, 王斌, 王玉昆, 周裕荣, 卢威宇, 刘建国 (89)

墨兰 *CsAPI-A* 基因克隆及表达分析

..... 周荣, 刘嘉超, 杨凤玺 (99)

基于深度神经网络的 SSR 分子标记对茶叶产地的溯源研究

..... 龚浩, 张莉莉, 陈富荣, 林丽霞, 陈意君, 张乐, 孙春莲, 孙键 (108)

● 栽培生理与分子生物学

荔枝果皮细胞壁组成与裂果发生的关系研究

..... 葛涵涛, 林诗雅, 王惠聪 (117)

‘仙进奉’荔枝结果母枝质量与坐果和果实品质的关系研究

..... 张 航, 何紫迪, 孔子尚, 梁志俭, 覃宏铭, 马兴帅, 赵明磊, 李建国 (127)

秋冬季补光处理对‘阳光玫瑰’葡萄叶片及冬果发育的影响

..... 冯 洋, 黄思浩, 谢恒毅, 李秀文, 杨 玲, 陆洁梅, 黄旭明 (135)

华南连栋温室基质袋培模式下 6 个樱桃番茄品种的综合鉴评

..... 陈金香, 王艳娣, 梁健文, 谢振斌, 覃 敏, 杨小龙, 陈日远, 张轶婷 (142)

苦瓜苗期对高温胁迫的生理响应及耐热性初步评价

..... 江 定, 李光光, 黄剑锋, 郑岩松 (155)

植物生长调节剂对建兰开花的调控作用研究

..... 周 荣, 贺琪馨, 陆楚桥 (165)

7 种秋海棠属植物叶片解剖结构分析与耐热性评价

..... 周志雄, 王龙远, 郭 微, 谈 静, 吴 伟, 许 凯, 薛彬娥, 李凌飞 (173)

硅对迷你椒草试管苗抗逆生理特性的影响

..... 干雨露, 丰 锋, 范紫云, 向星星, 于奕宁, 陈灿强 (181)

耐盐闽粤石楠组培快繁体系的建立

..... 向星星, 丰 锋, 干雨露, 于奕宁 (191)

● 采后保鲜

AOS1 基因克隆及其在鲜切芋头褐变中的表达模式分析

..... 袁 晓, 杨盼迪, 王 斌 (198)

顶空固相微萃取结合气相色谱质谱法分析不同品种香水莲花的香气成分

..... 邓琳玥, 罗丽霞, 高 杰, 苏忠书, 张昭其, 黄雪梅, 方 方, 林文洪 (207)

● 产业经济

广东省蔬菜产业高质量发展的区域差异与动态演进

..... 梁伟森, 储霞玲, 郑林秀, 叶高松, 陈俊秋 (218)

主管: 广东省农业科学院

主办: 广东省农业科学院
华南农业大学

协办: 广州市农业科学研究院
广州花卉研究中心
深圳市农业科技促进中心

特邀编委:

张 华 广州市农业科学研究院 院长 研究员

周晓云 广州花卉研究中心 副主任(主持工作) 正高级农艺师

李志强 深圳市农业科技促进中心 副主任 正高级农艺师

GUANGDONG AGRICULTURAL SCIENCES

(Monthly)

Vol. 50 No. 9 Sep. 2023

MAIN CONTENTS

● Invited Paper

Identification and Characterization of miR164–NAC Regulatory Modules in Banana

··· ZHU Hong, ZENG Jun, KONG Xiangjin, PENG Kuan, ZHU Xiaoyang, WEN Lingrong, QU Hongxia, JIANG Yueming (1)

Construction of Fingerprint Map of 12 Varieties Based on SSR Markers and Identification of Hybrid F₁ Progenies in *Gerbera hybrida*

··· LIU Xiaofei, YU Bo, REN Guiping, YU Chaoran, LIU Chong, SUN Yingbo, ZHONG Ronghui, FENG Enyou (16)

● Collection, Preservation, Evaluation and Utilization of Germplasm Resources

Investigation and Analysis on Litchi Germplasm Resources in Lanxi, Zengcheng, Guangdong Province

· FENG Yancong, JI Na, NIE Boxuan, LIU Shuai, ZHANG Zhanhui, ZHAO Minglei, LIAO Meijing, LI Jianguo (25)

Screening of SSR Markers and Cluster Analysis in 50 Cucumber Core Germplasms

·········· JIN Qingmin, LIN Yu'e, WU Tingquan, ZHONG Yujuan, WANG Rui (39)

Purity and Authenticity Identification of 'Yuexiu No.3' Cucumber Hybrid Seeds Based on SSR Molecular Markers

·········· JIN Qingmin, LIN Yu'e, WANG Rui, ZHONG Yujuan , WU Tingquan (49)

Identification of Two Wild *Lentimula edodes* Strains and Their Biological Characteristics Comparing with the Cultivated Strains

·········· LI Hongyue, OU Xiaoyun, LIU Bin (59)

● Genetic Breeding

Research Progress of *WRKY* Gene Functions in Horticultural Plants

·········· YE Hong, WANG Bin, REN Fei, ZHU Yunna, XIAO Yanhui, HE Jinming, WANG Yukun (68)

Identification and Analysis of the *ALMT* Gene Family in Litchi

·········· QIAN Yirong, WANG Yi, QUAN Zhenxuan, ZHENG Xuewen, LI Weicai, DONG Chen (79)

Cloning and Expression Characteristics Analysis of *BcCIPK23* in Flowering Chinese Cabbage

·········· ZHU Yunna, YANG Jinghui, WANG Bin, WANG Yukun, ZHOU Yurong, LU Weiyu, LIU Jianguo (89)

Analysis on Cloning and Expression of *CsAPI-A* Gene in *Cymbidium sinense*

·········· ZHOU Rong, LIU Jiachao, YANG Fengxi (99)

Research on SSR Molecular Markers for Traceability of Tea Origins Based on Deep Neural Network

···· GONG Hao, ZHANG Lili, CHEN Furong, LIN Lixia, CHEN Yijun, ZHANG Le, SUN Chunlian, SUN Jian (108)

● Cultivation Physiology and Molecular Biology

- Study on the Relationship between Cell Wall Components of Pericarp and Fruit Cracking in Litchi
..... GE Hantao, LIN Shiya, WANG Huicong (117)
- Study on the Relationship Between the Quality of Fruit-bearing Shoot, Fruit Setting and Fruit Quality in
'Xianjinfeng' LitchiZHANG Hang,
HE Zidi, KONG Zishang, LIANG Zhijian, QIN Hongming, MA Xingshuai, ZHAO Minglei, LI Jianguo (127)
- Effect of Artificial Supplementary Lighting During Autumn and Winter on Leaf Senescence and Development of
Winter Fruits of 'Shine Muscat' Grape
..... FENG Yang, HUANG Sihao, XIE Hengyi, LI Xiuwen, YANG Ling, LU Jiemei, HUANG Xuming (135)
- Comprehensive Evaluation of 6 Cherry Tomato Varieties Under the Substrate Bag Cultivation Mode in Multi-
span Greenhouse in South China CHEN Jinxiang,
WANG Yandi, LIANG Jianwen, XIE Zhenbin, QIN Ming, YANG Xiaolong, CHEN Riyuan, ZHANG Yiting (142)
- Physiological Response of Bitter Gourd Seedlings to High Temperature Stress and Preliminary Evaluation of
Heat Resistance JIANG Ding, LI Guangguang, HUANG Jianfeng, ZHENG Yansong (155)
- Regulatory Effects of Plant Growth Regulators on the Flowering of *Cymbidium ensifolium*
..... ZHOU Rong, HE Qixin, LU Chuqiao (165)
- Analysis on Leaf Anatomy of 7 *Begonia* Species and Evaluation on Their Heat Tolerance
.....ZHOU Zhixiong, WANG Longyuan, GUO Wei, TAN Jing, WU Wei, XU Kai, XUE Bin'e, LI Lingfei (173)
- Effects of Silicon on the Physiological Characteristics of Stress Resistance of *Cryptocoryne parva* Tube Seedlings
..... GAN Yulu, FENG Feng, FAN Ziyun, XIANG Xingxing, YU Yining, CHEN Canqiang (181)
- Establishment of Tissue Culture and Rapid Propagation System for Salt-tolerant *Photinia benthamiana* Hance
.....XIANG Xingxing, FENG Feng, GAN Yulu, YU Yining (191)

● Postharvest Preservation

- Analysis on Cloning of *AOS1* Gene and Its Expression Pattern During the Browning Process in Fresh-cut Taros
..... YUAN Xiao, YANG Pandi, WANG Bin (198)
- Analysis of Aroma Components in Different Varieties of *Nymphaea hybrid* Based on Headspace Solid-phase
Microextraction and Gas Chromatography-mass Spectrometry DENG Linyue,
LUO Lixia, GAO Jie, SU Zhongshu, ZHANG Zhaoqi, HUANG Xuemei, FANG Fang, LIN Wenhong (207)

● Industrial Economy

- Regional Differences and Dynamic Evolution of High-quality Development of Vegetable Industry in Guangdong Province
..... LIANG Weisen, CHU Xialing, ZHENG Linxiu, YE Gaosong, CHEN Junqiu (218)

本刊声明: 本刊已许可中国学术期刊全文数据库、万方数据 - 数字化期刊群、中文科技期刊数据库、超星数字图书馆等国内外数据库以及博看网, 以数字化方式复制、汇编、发行、信息网络传播本刊全文。作者向本刊提交文章发表的行为即视为同意我刊上述声明。