

《中文核心期刊要目总览》核心期刊
中国科学引文数据库 (CSCD) 核心期刊
中国科技论文统计源核心期刊
《国家科技学术期刊开放平台》收录期刊

ISSN 1000-2561
CN 46-1019/S

热带作物学报

CHINESE JOURNAL OF TROPICAL CROPS



2020.11

第41卷 第11期 Vol. 41 No. 11

主办

中国热带作物学会
中国热带农业科学院



科学出版社
Science Press

万方数据

热带作物学报

2020 年 11 月 第 41 卷 第 11 期 (月刊 1980 年创刊)

目 次

组学与生物技术

- 番荔枝中一个 SWEET 家族基因的克隆与表达分析 安振宇, 方 仁, 黄伟雄, 尧金燕, 韦萌瞳 (2143)
- 荷花株型相关性状与 SSR 分子标记的关联分析 杨 丹, 杜凤凤, 常雅军, 崔 键, 孙林鹤, 刘晓静, 姚东瑞 (2149)
- 基于表型和 SRAP 标记的盆栽菊遗传多样性分析 沈 瑶, 王晗璇, 侯海娟, 吴智明, 周厚高 (2156)
- 柚芽变株系类胡萝卜素代谢差异基因的转录组学分析
..... 潘鹤立, 潘腾飞, 余文琴, 徐世荣, 李小婷, 黄汉唐, 陈 源, 吴少华, 潘东明 (2165)

种质资源与遗传育种

- 一株临沧野生灵芝的鉴定与驯化栽培 张焱珍, 周会明, 白玉英, 柴红梅, 古广红, 赵娅通, 田利波, 卯明娟 (2176)
- 不同激素种类及浓度对红厚壳嫩枝扦插育苗的影响 张阳锋, 任 征, 林明平, 蔡卫京, 施国政, 于 彬 (2183)
- 二硝基苯胺类除草剂对单头切花菊‘白扇’的倍性诱导效果
..... 杨惠婷, 陈桂信, 胡计红, 吉玉婷, 康建坂, 潘腾飞, 余文琴 (2190)
- 90 份油棕种质资源主要农艺性状的遗传多样性分析 周丽霞, 赵志浩, 曹红星 (2197)
- 苗期甘蔗氮高效基因型评价指标的筛选 杨 柳, 廖 芬, Muhammad ANAS, 李 强, 彭李顺, 黄东亮, 李杨瑞 (2205)

作物栽培与生理生化

- 间作香露兜提高槟榔根系生长和土壤酶活性 鱼 欢, 唐瑾暄, 李倩松, 秦晓威, 宗 迎, 郝朝运, 白亭玉 (2219)
- 华石斛组培苗炼苗基质的筛选与优化 姚肖健, 宋希强, 杨福孙 (2226)
- 不同状态培养基下 pH 对香菇、滑菇及金针菇漆酶活性的影响
..... 张维瑞, 刘盛荣, 周修超, 阮俊峰, 陈经纬, 崔晓伟 (2232)
- 火龙果对于干旱胁迫的适应性研究 王 荔, 张 雪, 赵晓珍, 肖图舰, 马玉华 (2237)
- 印楝幼苗对不同水分和光照条件的生理生态学响应 孙 恒, 张燕平, 王友琼, 吴疆翀, 彭兴民, 郑益兴 (2245)
- 不同水肥耦合处理下毛竹光合特性 乔一娜, 刘 凯, 邓智文, 徐林政, 苏建霖, 荣俊冬, 陈礼光 (2253)

植物保护与生物安全

- 长春花接种丛枝菌根真菌对柑橘黄龙病菌的抑制效果
..... 全达万, 李 栋, 张金莲, 宋 娟, 胡 柳, 程 通, 黄京华, 陈廷速 (2259)
- 香蕉园斜纹夜蛾幼虫的空间分布格局和抽样技术 杜 浩, 只佳增, 李宗锴, 周劲松, 杨绍琼, 陈伟强 (2267)
- 不同木薯品种对木瓜秀粉蚧抗氧化酶活性的影响 陈 谦, 梁 晓, 伍春玲, 陈 青, 刘 迎, 张 哲 (2273)
- 海南岛黄瓜病毒病种类鉴定及其发生分布研究 车海彦, 曹学仁, 贺延恒, 罗大全 (2280)
- 一种橡胶小蠹虫自制粘捕装置的研制及其田间诱捕参数筛选 干 威, 周 祥, 郭技星, 张明霞, 李志东, 白春秀 (2285)
- 嗜菌异小杆线虫 H06 品系对红棕象甲幼虫的室内致死能力测定
..... 钟宝珠, 吕朝军, 李朝绪, 阎 伟, 黄山春, 覃伟权 (2292)

采后处理与质量安全

- QuEChERS/超高效液相色谱-串联质谱法同时测定香蕉中 8 种植物生长调节剂残留
..... 吴学进, 王明月, 马 晨, 张 群, 庞朝海 (2297)
- 贵州主栽杧果品种果实品质及香气成分分析 康专苗, 何凤平, 黄 海, 李向勇, 刘清国, 张 燕, 龚德勇,
范建新, 黄建峰, 党志国, 王艺蓉, 吴小波, 刘 荣 (2305)
- 低温贮藏对‘松风本’龙眼果实品质和耐贮性的影响 陈 锦, 林毅雄, 林育钊, 刘竞运, 林河通, 林艺芬 (2314)

农业生态与环境保护

- 不同离海距离木麻黄防护林单木健康评价 刘贺娜, 李茂瑾, 王艳艳, 江传阳, 李坤玲, 吴承祯, 陈 灿 (2322)
- 翁源青云山自然保护区维管束植物区系特征分析
..... 杜晓洁, 谢冲林, 余小玲, 邓双文, 杨新东, 陈流保, 王发国, 邢福武 (2329)

综述

- 椰子组培研究四十年 穆治华, 李志瑛, 刘 蕊, 范海阔 (2335)
- 香蕉园化肥施用现状、面源污染风险及其养分综合管理措施
..... 赵凤亮, 邹刚华, 单 颖, 丁哲利, 吴佩聪, 张 鹏, 朱治强 (2346)
- 芒果核仁油理化特性及其开发利用研究进展 涂行浩, 马会芳, 魏 芳, 谢 亚, 吕 昕, 陈 洪, 杜丽清 (2353)

CHINESE JOURNAL OF TROPICAL CROPS

Nov. 2020 Vol. 41 No. 11 (Monthly, established in 1980)

CONTENTS

Omics & Biotechnology

Cloning and Expression Analysis of a SWEET Family Gene from *Annona squamosa* L.

..... AN Zhenyu, FANG Ren, HUANG Weixiong, YAO Jinyan, WEI Shutong (2143)

Association Studies of Plant Architecture Traits and SSR Markers in *Nelumbo* Adans

..... YANG Dan, DU Fengfeng, CHANG Yajun, CUI Jian, SUN Linhe, LIU Xiaojing, YAO Dongrui (2149)

Genetic Diversity Analysis of the Potted Chrysanthemum Based on Phenotype and SRAP Marker

..... SHEN Yao, WANG Hanxuan, HOU Haixian, WU Zhiming, ZHOU Hougao (2156)

Transcriptome Analysis of Carotenoid Metabolism Differential Genes in Pomelo Bud Strain..... PAN Heli, PAN Tengfei,

SHE Wenqin, XU Shirong, LI Xiaoting, HUANG Hantang, CHEN Yuan, WU Shaohua, PAN Dongming (2165)

Germplasm Resources, Genetics & Breeding

Identification and Domestication Cultivation of a Wild-type *Ganoderma lingzhi* Strain from Lincang, Yunnan

..... ZHANG Yanzhen, ZHOU Huiming, BAI Yuying, CHAI Hongmei, GU Guanghong,

ZHAO Yatong, TIAN Libo, MAO Mingjuan (2176)

Effects of Different Hormone Types and Concentrations on Softwood Cutting Propagation of *Calophyllum inophyllum*

..... ZHANG Yangfeng, REN Zheng, LIN Mingping, CAI Weijing, SHI Guozheng, YU Bin (2183)

Ploidy Induction Effect of Dinitroaniline Herbicides on the Single-headed Cutting *Chrysanthemum* 'Iwa-no-hakusen'

..... YANG Huiting, CHEN Guixin, HU Jihong, JI Yuting, KANG Jianban, PAN Tengfei, SHE Wenqin (2190)

Genetic Diversity Analysis on the Major Agronomic Traits of 90 Oil Palm Germplasm

..... ZHOU Lixia, ZHAO Zhihao, CAO Hongxing (2197)

Screening of Sugarcane with High Nitrogen Efficiency at Seedling Stage

..... YANG Liu, LIAO Fen, Muhammad ANAS, LI Qiang, PENG Lishun, HUANG Dongliang, LI Yangrui (2205)

Plant Cultivation, Physiology & Biochemistry

Intercropping with *Pandanus amaryllifolius* Roxb. Improved Root Growth of *Areca catechu* L. and Soil Enzyme Activities

..... YU Huan, TANG Jinxuan, LI Qiansong, QIN Xiaowei, ZONG Ying, HAO Chaoyun, BAI Tingyu (2219)

Selection and Optimization of Matrix for Seedlings of *Dendrobium sinense* *in vitro*

..... YAO Xiaojian, SONG Xiqiang, YANG Fusun (2226)

Effects of pH on Laccase Activity of *Lentinula edodes*, *Pholiota nameko*, and *Flammulina velutipes* Grown in Different

State Media..... ZHANG Weirui, LIU Shengrong, ZHOU Xiuzhao, RUAN Junfeng, CHEN Weiwei, CUI Xiaowei (2232)

Drought Adaptability of *Hylocereus undatus*..... WANG Li, ZHANG Xue, ZHAO Xiaozhen, XIAO Tujian, MA Yuhua (2237)

Ecophysiological Responses of *Azadirachta indica* Seedlings to Different Water and Light Conditions

..... SUN Heng, ZHANG Yanping, WANG Youqiong, WU Jiangchong, PENG Xingmin, ZHENG Yixing (2245)

Photosynthetic Characteristics of *Phyllostachys edulis* under Different Water and Fertilizer Coupling Treatment

..... QIAO Yina, LIU Kai, DENG Zhiwen, XU Linzheng, SU Jianlin, RONG Jundong, CHEN Liguang (2253)

Plant Protection & Bio-safety

Effects of Inhibition Citrus Huanglongbing on *Catharanthus roseus* with Different Arbuscular Mycorrhizal Fungi Species

..... QUAN Dawan, LI Dong, ZHANG Jinlian, SONG Juan, HU Liu, CHENG Tong, HUANG Jinghua, CHEN Tingsu (2259)

CHINESE JOURNAL OF TROPICAL CROPS

Nov. 2020 Vol. 41 No. 11 (Monthly, established in 1980)

Spatial Distribution Pattern and Sampling Technique of *Spodoptera litura* Larvae in Banana Parks

..... DU Hao, ZHI Jiazeng, LI Zongkai, ZHOU Jinsong, YANG Shaoqiong, CHEN Weiqiang (2267)

Effects of Different Cassava Cultivars on Antioxidant Enzyme Activities of *Paracoccus marginatus*

..... CHEN Qian, LIANG Xiao, WU Chunling, CHEN Qing, LIU Ying, ZHANG Zhe (2273)

Distribution and Identification of Viruses from Cucumber in Hainan Island

..... CHE Haiyan, CAO Xueren, HE Yanheng, LUO Daquan (2280)

Development of a Homemade Sticky-capture Device for Rubber Bark Beetles and Screening of Field Trapping Parameters

..... GAN Wei, ZHOU Xiang, GUO Jixing, ZHANG Mingxia, LI Zhidong, BAI Chunxiu (2285)

Determination of Lethal Ability of *Heterorhabditis bacteriophora* H06 Strain Against the Larvae of Red Palm Weevil
Rhyncophorus ferrugineus in Laboratory

..... ZHONG Baozhu, LYU Chaojun, LI Chaoxu, YAN Wei, HUANG Shanchun, QIN Weiquan (2292)

Post-harvest Treatment & Quality Safety

Simultaneous Determination of 8 Plant Growth Regulator Residues in Banana by Using Ultra High Performance Liquid
Chromatography-Tandem Mass Spectrometry in Combination with QuEChERS Methodology

..... WU Xuejin, WANG Mingyue, MA Chen, ZHANG Qun, PANG Chaohai (2297)

Analysis on the Quality and Aroma Components of Main Mango Fruits in Guizhou

..... KANG Zhuanmiao, HE Fengping, HUANG Hai, LI Xiangyong, LIU Qingguo, ZHANG Yan,
GONG Deyong, FAN Jianxin, HUANG Jianfeng, DANG Zhiguo, WANG Yirong, WU Xiaobo, LIU Rong (2305)

Effects of Low Temperature Storage on Quality and Storability of 'Songfengben' Longan Fruit

..... CHEN Jin, LIN Yixiong, LIN Yuzhao, LIU Jingyun, LIN Hetong, LIN Yifen (2314)

Agricultural Ecology & Environmental Protection

Single-wood Health Assessment in *Casuarina* Protection Forests at Different Distances from the Coastline

..... LIU Hena, LI Maojin, WANG Yanyan, JIANG Chuanyang, LI Kunling, WU Chengzhen, CHEN Can (2322)

Flora Characteristics of Vascular Plants in Qingyunshan Nature Reserve of Wengyuan, Guangdong Province

..... DU Xiaojie, XIE Chonglin, YU Xiaoling, DENG Shuangwen, YANG Xindong, CHEN Liubao, WANG Faguo, XING Fuwu (2329)

Reviews

The Development of Coconut (*Cocos nucifera* L.) Tissue Culture Technology in the Past 40 Years: A review

..... MU Zhihua, LI Zhiying, LIU Rui, FAN Haikuo (2335)

Current Status of Chemical Fertilizer Application in Banana Plantation, Environmental Risks and Integrated Nutrient
Management Practices

..... ZHAO Fengliang, ZOU Ganghua, SHAN Ying, DING Zheli, WU Peicong, ZHANG Peng, ZHU Zhiqiang (2346)

Research Progress on the Physicochemical Properties and Exploitation of Mango Kernel Oil

..... TU Xinghao, MA Huifang, WEI Fang, XIE Ya, LYU Xin, CHEN Hong, DU Liqing (2353)

CN 46-1019/S*1980*m*A4*222*zh*P*¥50.00*350*29*2020-11