

目 次

组学与生物技术

橡胶 HbOT1、HbOT2 蛋白序列分析及其与 HbPIP2;3 间互作关系的研究

..... 黄欣羽, 赵平娟, 林晨俞, 刘子凡, 安 锋 (1651)

低重组频率 SSR 标记鉴定橡胶树子代自然三倍体的来源

..... 王 旭, 杨红俐, 董 馨, 黄 肖, 曹 杰, 张源源 (1660)

芒果 MiPH 基因家族鉴定及与有机酸积累的关联性分析

..... 叶秀旭, 傅经效, 王佩琳, 齐家乐, 张翠仙, 尼章光, 王 鹏 (1670)

白辣椒青熟期果色主效 QTL 定位及候选基因筛选

..... 赵 虎, 赵曾菁, 李宗俊, 黄莉萍, 龚明霞, 吴 星, 王 萌, 王日升 (1683)

种质资源与遗传育种

木薯苗期耐低钾种质筛选与综合评价 张 欣, 王 君, 陈佳富, 陈 默, 梁 菲, 朱杰辉, 宋 勇 (1693)

柚果实性状变异分析与优良种质筛选 徐祥增, 邓乐晔, 张彩虹, 张小娇, 万子龙, 邓琴霖, 高世德 (1703)

草果种质资源表型鉴定及雌雄异熟指纹图谱构建 韩丽戎, 陈浩文, 杨绍兵, 苏俊宇, 范源洪 (1715)

广东省湛江市滨海植物资源及其区系特征 蒙丽妃, 江行玉, 郑殿峰, 段婷婷 (1724)

绿色象草 (CIAT6263) 遗传转化体系构建与优化 毛雅珍, 罗佳佳, 赵雪儿, 董荣书, 蔡泽坪 (1735)

作物栽培与生理生化

不同水分处理对开割橡胶树非结构性碳分配的影响

..... 彭文涛, 程琳琳, 张盈盈, 刘华妍, 周立军, 谢贵水, 王纪坤, 安 锋 (1748)

橡胶树割胶新技术综合评价 高 茜, 王文兵, 李勤江, 胡永华, 杨恩山, 孙一弘, 刘忠亮, 邱彦芬, 肖再云 (1756)

木薯间作大豆对退化水稻土改良与作物产量的影响

..... 梁万栋, 曾 炜, 谷 雨, 谢红霞, 周 萍, 盛 浩, 宋 勇 (1764)

螯合钙镁喷施对菠萝生长发育、养分积累及产量品质的影响

..... 王新新, 王泉雄, 孙梦洁, 叶进刚, 何佳璇, 李长江, 李昌珍 (1774)

不同品种咖啡果实糖组分差异 李亚麒, 喻好好, 付兴飞, 李亚男, 胡发广 (1786)

网室栽培枇杷穗留果量研究 许奇志, 刘小英, 胡文舜, 吴碧君, 曾丽兰, 魏伟淋, 蒋际谋 (1799)

不同基质覆盖量对免耕红壤水热盐运移及玉米生长的影响

..... 严晓丽, 何冯光, 邹华芬, 李海亮, 徐 磊, 徐志军, 孙海天, 王宏轩, 王丽媛, 张雪姣, 李裕展 (1810)

干旱胁迫强度与时长对忧遁草多酚及抗氧化能力的影响 覃 敏, 董欣雨, 温美霞, 李文龙, 薛阿辉 (1824)

植物保护与生物安全

咖啡患根腐病与健康植株根际土壤细菌群落结构差异分析 杨爱玲, 景跃波, 刘 凌, 杨江春, 张知晓 (1835)

咖啡灭字脊虎天牛在普洱咖啡园的空间分布及抽样技术分析

..... 杨昌和, 樊 桦, 周兴涛, 罗 凯, 马云昆, 柴正群, 吴国星, 高 熹 (1845)

高稻草叶斑病原分离鉴定、生物学特性分析及防治药剂筛选

..... 李嘉淇, 马荣健, 何鹏搏, 何鹏飞, 吴毅歆, 何月秋 (1854)

广西 4 种水稻螟虫对 6 种杀虫剂的敏感性

..... 黄 芊, 龙丽萍, 陈伟源, 蔡理文, 韦成鲜, 黄小凤, 黄所生, 吴碧球, 李 成, 伍国阳, 凌 炎 (1861)

水旱轮作对苦瓜根际土壤微生物群落结构及枯萎病发生的影响 陈中钊, 杜文丽, 许端祥, 曾小玲, 高 山 (1869)

采后处理与质量安全

基于可见/近红外高光谱技术的菠萝糖酸比无损预测模型

..... 杨迎秋, 高章允, 李川玲, 付 琼, 朱祝英, 贺军军, 吴青松, 陈嘉景, 姚艳丽, 张秀梅 (1879)

采前碳点处理调控火龙果果实品质形成与采后生理的持续效应研究

..... 王帆林, 简纯平, 张熠莹, 成宏斌, 潘晓翠, 王代军, 王永鹏 (1889)

CHINESE JOURNAL OF TROPICAL CROPS

Jul. 2026 Vol. 47 No. 7 (Monthly, established in 1980)

CONTENTS

Omics & Biotechnology

- Research on the Protein Sequences of HbOT1 and HbOT2 and Their Interaction with HbPIP2;3
.....HUANG Xinyu, ZHAO Pingjuan, LIN Chenyu, LIU Zifan, AN Feng (1651)
- Identification of the Origin of Natural Triploid Progeny in Rubber Tree Using Low-Recombination-Frequency SSR Markers
.....WANG Xu, YANG Hongli, DONG Xin, HUANG Xiao, CAO Jie, ZHANG Yuanyuan (1660)
- Identification of the MiPH Gene Family in Mango and Correlation Analysis with Organic Acid Accumulation
.....YE Xiuxu, FU Jingxiao, WANG Peilin, QI Jiale, ZHANG Cuixian, NI Zhangguang, WANG Peng (1670)
- Major QTL Mapping for Fruit Color During the Green-mature Stage of White Peppers and Screening of Candidate Genes
.....ZHAO Hu, ZHAO Zengjing, LI Zongjun, HUANG Liping, GONG Mingxia, WU Xing, WANG Meng, WANG Risheng (1683)

Germplasm Resources, Genetic & Breeding

- Screening and Comprehensive Evaluation of Cassava Germplasms with Low Potassium Tolerance at Seedling Stage
.....ZHANG Xin, WANG Jun, CHEN Jiafu, CHEN Mo, LIANG Fei, ZHU Jiehui, SONG Yong (1693)
- Variation Analysis of Fruit Traits of Pomelo Germplasm Resources and Screening of Excellent Germplasm
.....XU Xiangzeng, DENG Yueye, ZHANG Caihong, ZHANG Xiaojiao, WAN Zilong, DENG Qinlin, GAO Shide (1703)
- Phenotypic Characterization of *Amomum tsao-ko* Germplasm Resources and Construction of Dichogamous Maturity Fingerprint Profiles
.....HAN Lirong, CHEN Haowen, YANG Shaobing, SU Junyu, FAN Yuanhong (1715)
- Floristic Characteristics and Coastal Plant Resources in Zhanjiang City, Guangdong Province, China
.....MENG Lifei, JIANG Xingyu, ZHENG Dianfeng, DUAN Tingting (1724)
- Establishment and Optimization of Genetic Transformation System of Green Elephant Grass (CIAT6263)
.....MAO Yazhen, LUO Jiajia, ZHAO Xueer, DONG Rongshu, CAI Zeping (1735)

Plant Cultivation, Physiology & Biochemistry

- Effects of Different Water Treatment on Non-structural Carbon Allocation in Tapped Rubber Trees (*Hevea brasiliensis*)
.... PENG Wentao, CHENG Linlin, ZHANG Yingying, LIU Huayan, ZHOU Lijun, XIE Guishui, WANG Jikun, AN Feng (1748)
- Comprehensive Evaluation of New Tapping Technologies for Rubber Trees
.....GAO Qian, WANG Wenbing, LI Mengjiang, HU Yonghua, YANG Enshan, SUN Yihong, LIU Zhongliang, QIU Yanfen, XIAO Zaiyun (1756)
- Effects of Cassava-soybean Intercropping on Degraded Paddy Soil Improvement and Crop Yield
.....LIANG Wandong, ZENG Wei, GU Yu, XIE Hongxia, ZHOU Ping, SHENG Hao, SONG Yong (1764)
- Effects of Chelated Calcium and Magnesium Spraying on Growth, Nutrient Accumulation, Yield and Quality of Pineapple
.....WANG Xinxin, WANG Xiaoxiong, SUN Mengjie, YE Jingang, HE Jiaxuan, LI Changjiang, LI Changzhen (1774)

CHINESE JOURNAL OF TROPICAL CROPS

Jul. 2026 Vol. 47 No. 7 (Monthly, established in 1980)

Variation in Sugar Components among Different Fruits of Coffee Varieties

.....LI Yaqi, YU Haohao, FU Xingfei, LI Yanan, HU Faguang (1786)

Fruit Retention of Loquat in Net House Cultivation

.....XU Qizhi, LIU Xiaoying, HU Wenshun, WU Bijun, ZENG Lilan, WEI Weilin, JIANG Jimou (1799)

Impact of Substrate Coverage on Water-Heat-Salt Dynamics and Growth and Development of Maize in No-till Red Soil

.....YAN Xiaoli, HE Fengguang, ZOU Huafen, LI Hailiang, XU Lei, XU Zhijun, SUN Haitian, WANG Hongxuan,
WANG Liyuan, ZHANG Xuejiao, LI Yuzhan (1810)

Effects of Drought Stress Intensity and Duration on Polyphenols and Antioxidant Capacity of *Clinacanthus nutans*

.....QIN Min, DONG Xinyu, WEN Meixia, LI Wenlong, XUE Ahui (1824)

Plant Protection & Bio-safety

Differences in Bacterial Community Structure in Rhizosphere Soil between Root Rot-diseased and Healthy Coffee Plants

.....YANG Ailing, JING Yuebo, LIU Ling, YANG Jiangchun, ZHANG Zhixiao (1835)

Analysis of Spatial Distribution and Sampling Techniques for *Xylotrechus quadripes* Chevrolat in Pu'er Coffee Plantations

.....YANG Changhe, FAN Hua, ZHOU Xingtao, LUO Kai, MA Yunkun, CHAI Zhengqun, WU Guoxing, GAO Xi (1845)

Isolation, Identification, Biological Characteristics and Fungicide Screening of the Pathogen of Leaf Spot Disease

in *Sorghoryza*

.....LI Jiaqi, MA Rongjian, HE Pengbo, HE Pengfei, WU Yixin, HE Yueqiu (1854)

Susceptibility of Four Rice Stem Borer Species in Guangxi to Six Insecticides

.....HUANG Qian, LONG Liping, CHEN Weiyuan, CAI Liwen, WEI Chengxian, HUANG Xiaofeng,
HUANG Suosheng, WU Biqu, LI Cheng, WU Guoyang, LING Yan (1861)

Effects of Paddy-upland Rotation on the Microbial Community Structure and the Occurrence of *Fusarium* Wilt Disease

in the Rhizosphere Soil of Bitter Gourd

.....CHEN Zhongshan, DU Wenli, XU Duanxiang, ZENG Xiaoling, GAO Shan (1869)

Post-harvest Treatment & Quality Safety

Non-destructive Prediction Model of Sugar-acid Ratio of Pineapple Based on Visible / Near Infrared Hyperspectral
Technology

.....YANG Yingqiu, GAO Zhangyun, LI Chuanling, FU Qiong, ZHU Zhuying, HE Junjun,
WU Qingsong, CHEN Jiajing, YAO Yanli, ZHANG Xiumei (1879)

Sustained Effects of Preharvest Carbon Dots Application on Fruit Quality Formation and Postharvest Physiology in Pitaya

.....WANG Fanlin, JIAN Chunping, ZHANG Yiyi, CHENG Hongbin, PAN Xiaocui, WANG Daijun, WANG Yongpeng (1889)