

中国烟草科学

CHINESE TOBACCO SCIENCE

2023年4月 第44卷 第2期

April, 2023, Vol. 44, No.2

目 次 CONTENTS

遗传育种 Genetics and Breeding

1 烤烟品种中川208特异性指纹图谱的构建及分析

贾振国，王亚男，罗成刚，张玉，耿锐梅，陈志强，杨爱国，刘国祥，任民

Construction and Analysis of Specific Fingerprint of Flue-cured Tobacco Variety Zhongchuan208

JIA Zhenguo, WANG Yanan, LUO Chenggang, ZHANG Yu, GENG Ruimei,
CHEN Zhiqiang, YANG Aiguo, LIU Guoxiang, REN Min

7 烟草NtHDZIV8基因在腺毛发育中的功能验证

崔露莹，陈明丽，余文，李志远，巫升鑫，
李东徽，盖梦琦，解敏敏，龚达平，程崖芝

Functional Verification of NtHDZIV8 Gene in the Development of Glandular Trichomes in Tobacco

CUI Luying, CHEN Mingli, YU Wen, LI Zhiyuan, WU Shengxin, LI Donghui,
GAI Mengqi, XIE Minmin, GONG Daping, CHENG Yazhi

栽培营养 Cultivation, Nutrition and Fertilization

15 大理典型植烟县烟田土壤速效养分时空变异特征

程晓梅，王晋峰，孙楠，蒯雁，范志勇，张久权，徐明岗，李建华

Spatial-temporal Variability of Soil Available Nutrients in Typical Tobacco Planting Counties of Dali

CHENG Xiaomei, WANG Jinfeng, SUN Nan, KUAI Yan, FAN Zhiyong,
ZHANG Jiuquan, XU Minggang, LI Jianhua

22 龙岩烟区烤烟磷钾养分配比优化研究

蒋代兵，卢彬荣，李明，吴树松，李钦书，周道金，廖学文，曾文龙

Optimization of the Phosphorus and Potassium Ratio in Tobacco Special Fertilizer in Longyan

JIANG Daibing, LU Binrong, LI Ming, WU Shusong, LI Qinshu,
ZHOU Daojin, LIAO Xuewen, ZENG Wenlong

植物保护 Pests and Diseases

27 暹罗芽孢杆菌挥发性物质拮抗下烟草赤星病菌转录组分析

李艺池，梁金昌，韦承建，王东坤，王卫民，陈勇华，
宋光龙，胡希好，程德杰，任广伟，王晓强

Transcriptome Analysis of *Alternaria alternata* under the Antagonism of Volatile Substances from *Bacillus siamesis*

LI Yichi, LIANG Jinchang, WEI Chengjian, WANG Dongkun, WANG Weimin, CHEN Yonghua,
SONG Guanglong, HU Xihao, CHENG Dejie, REN Guangwei, WANG Xiaoqiang

35 转录因子NbNAC062及其纳米药物对PVY侵染的抑制作用

曲潇玲，宋丽云，张道顺，丁程瀛，沈广材，张友臣，
张晓亮，焦裕冰，李莹，杨金广，申莉莉

NbNAC062 and Its Nanomedicine Confer Inhibition to Potato Virus Y

QU Xiaoling, SONG Liyun, ZHANG Daoshun, DING Chengying, SHEN Guangcai, ZHANG Youchen,
ZHANG Xiaoliang, JIAO Yubing, LI Ying, YANG Jingguang, SHEN Lili

43 烟草镰刀菌根腐病抗性鉴定方法研究

李雪君，郭敬，孙计平，孙焕，李芳芳，平文丽，
李建华，俎焕新，李旭辉，侯咏，耿胜娜

Study on Identification of Tobacco Variety Resistance to *Fusarium oxysporum*

LI Xuejun, GUO Jing, SUN Jiping, SUN Huan, LI Fangfang, PING Wenli,
LI Jianhua, ZU Huanxin, LI Xuhui, HOU Yong, GENG Shengna

52 扶桑绵粉蚧在烟草上的适合度和药剂筛选研究

李 萌，罗昭标，饶 智，吕洪坤，夏长剑，王智慧，孙美玲，陈德鑫
Fitness and Screening of Insecticides of *Phenacoccus solenopsis* Tinsley on Tobacco

LI Meng, LUO Zhaobiao, RAO Zhi, LYU Hongkun, XIA Changjian,
WANG Zhihui, SUN Meiling, CHEN Dexin

58 一株耐酸性拮抗细菌的筛选、鉴定及对茄雷尔氏菌的抑制作用

耿铭言，刘建阳，林 伟，洪天龙，闫 鼎，孔凡玉，王 静，蔡宪杰
Screening, Identification and Inhibitory Effect of an Acid-tolerant Bacterial Strain to *Ralstonia solanacearum*

GENG Mingyan, LIU Jianyang, LIN Wei, HONG Tianlong,
YAN Ding, KONG Fanyu, WANG Jing, CAI Xianjie

66 顺-冷杉醇诱导烟草抗青枯病的效果及作用机制研究

孙雨晴，桂祖卿，孙菲菲，韩 晓，宗 浩，杜咏梅
Effect and Mechanism of cis-Abienol to Induce Tobacco against Bacterial Wilt

SUN Yuqing, GUI Zuqin, SUN Feifei, HAN Xiao, ZONG Hao, DU Yongmei

品质化学 Tobacco Chemistry and Quality

74 不同烤烟品种化学成分及致香物质差异分析

刘 涛，曹建敏，郭 存，陈 刚，文利超，邓智超，郭永峰，李 伟
Difference Analysis on Chemical Composition and Aroma Components of Different Flue-cured Tobacco Cultivars

LIU Tao, CAO Jianmin, GUO Cun, CHEN Gang, WEN Lichao,
DENG Zhichao, GUO Yongfeng, LI Wei

83 油印产生原因及对烟叶质量的影响

黄本荣，范兆烽，王 飞，陈宇鹏，林建麒，林水良，
张鹏辉，陈 时，林春贵，杨 业，陈满生
Causes of Oil Printing Tobacco Leaves and Their Influence on Tobacco Leaf Quality

HUANG Benrong, FAN Zhao Feng, WANG Fei, CHEN Yupeng, LIN Jianqi, LIN Shui liang,
ZHANG Penghui, CHEN Shi, LIN Chungui, YANG Ye, CHEN Mansheng

88 甘油对不同部位烤烟香味成分释放行为的影响

郭春生，王轶群，陈 晨，张贾宝，杜 赫，许艳冉，梁 森，乔月梅，张峻松
Effects of Glycerin on the Release of Aroma Components from Different Parts of Flue-cured Tobacco

GUO Chunsheng, WANG Yiqun, CHEN Chen, ZHANG Jiabao, DU He,
XU Yanran, LIANG Miao, QIAO Yuemei, ZHANG Junsong

工业利用 Industrial Utilization

97 过热水蒸气蒸馏-干馏法提取烟草香料的组成及香气构效关系

段昊元，朱 凯，杨 菁，陈义纯，冯 奇
Composition and Aroma Structure-activity Relationship of Tobacco Flavor Extracted by Superheated Steam Distillation-cracking Process Integrated Technology

DUAN Haoyuan, ZHU Kai, YANG Jing, CHEN Yichun, FENG Qi

其他 Others

57 《中国烟草学报》2023年第2期目次

96 《烟草科技》2023年第3期目次

96 《烟草科技》2023年第4期目次