

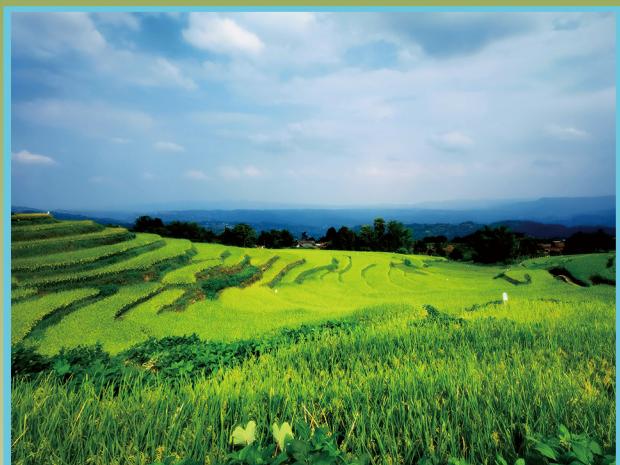


ISSN 1001-7216
CODEN ZSKHBX

2022年9月 第36卷 第5期 Vol. 36 No. 5

中国水稻科学

CHINESE JOURNAL OF RICE SCIENCE



中国水稻研究所 主办

水稻生物学国家重点实验室 协办

Sponsored by the China National Rice Research Institute
in Cooperation with the State Key Laboratory of Rice Biology

ISSN 1001-7216
9 771001721133

目 次

研究报告

我国优质杂交稻主要品种推广情况与展望 曾波 龚俊义 张芳	439
水稻幼穗响应稻曲病菌毒素胁迫早期的转录组分析 伏荣桃 王剑 陈诚 赵黎宇 陈雪娟 卢代华	447
利用CRISPR/Cas9技术创制高效抗除草剂水稻 尹丽颖 张元野 李荣田 何明良 王芳权 许扬 刘欣欣 潘婷婷 田晓杰 卜庆云 李秀峰	459
含草甘膦抗性标记的水稻核不育繁殖系载体构建与验证 李焱瑶 邓力华 李昕晏 李华 秦冠男 翁绿水 于江辉 李锦江 肖国樱	467
水杨酸通过一氧化氮途径调控水稻缓解低磷胁迫 朱春权 魏倩倩 党彩霞 黄晶 徐青山 潘林 朱练峰 曹小闯 孔亚丽 项兴佳 刘佳 金千瑜 张均华	476
结实期低温胁迫对水稻强、弱势粒淀粉形成与积累的影响 陈红阳 贾琰 赵宏伟 瞿炤珺 王新鹏 段雨阳 杨蕊 白旭 王常丞	487
中籼水稻品种改良过程中米质和根系特征对灌溉方式的响应 景文疆 顾汉柱 张小祥 吴昊 张伟杨 顾骏飞 刘立军 王志琴 杨建昌 张耗	505
优良食味水稻品种籽粒蛋白质积累特征及其对氮素水平的响应 陆丹丹 雍明玲 陶钰 叶苗 张祖建	520
“水稻-再生稻”种植模式专用肥轻简施用对产量、肥料利用率及经济效益的影响 王敏羽 戴志刚 余德芳 王向平 关绍华 邵远刚 张家学 李小坤	531
秸秆还田下大气CO ₂ 浓度升高对水稻生长和CH ₄ 排放的影响 曾文静 邱岚英 陈俊杰 钱浩宇 张楠 丁艳锋 江瑜	543

CHINESE JOURNAL OF RICE SCIENCE(Bimonthly)

Volume 36, Number 5, September 2022

<http://www.ricesci.cn>; E-mail: cjrs@263.net

CONTENTS

Research Papers

Analysis and Prospects of Extension of Main Varieties of Hybrid Rice with High Quality in China ZENG Bo, GONG Junyi, ZHANG Fang	439
Transcriptome Analysis of Young Rice Panicles in Response to Exposure to Mycotoxin of <i>Ustilaginoidea virens</i> FU Rongtao, WANG Jian, CHEN Cheng, ZHAO Liyu, CHEN Xuejuan, LU Daihua	447
Improvement of Herbicide Resistance in Rice by Using CRISPR/Cas9 System YIN Liying, ZHANG Yuanye, LI Rongtian, HE Mingliang, WANG Fangquan, XU Yang, LIU Xinxin, PAN Tingting, TIAN Xiaojie, BU Qingyun, LI Xiufeng	459
Construction and Verification of Vector Containing Glyphosate Resistance Selection Marker for Multiplication of Common Genic Male Sterile Lines in Rice LI Yanyao, DENG Lihua, LI Xinyan, LI Hua, QIN Guannan, WENG Lushui, YU Jianghui, LI Jinjiang, XIAO Guoying	467
Salicylic Acid Alleviates Low Phosphorus Stress in Rice via a Nitric Oxide-dependent Manner ZHU Chunquan, WEI Qianqian, DANG Caixia, HUANG Jing, XU Qingshan, PAN Lin, ZHU Lianfeng, CAO Xiaochuang, KONG Yali, XIANG Xingjia, LIU Jia, JIN Qianyu, ZHANG Junhua	476
Effects of Low Temperature Stress During Grain Filling on Starch Formation and Accumulation of Superior and Inferior Grains in Rice CHEN Hongyang, JIA Yan, ZHAO Hongwei, QU Zhaojun, WANG Xinpeng, DUAN Yuyang, YANG Rui, BAI Xu, WANG Changcheng	487
Response of Grain Quality and Root Characteristics to Irrigation Methods During Mid-season <i>indica</i> Rice Varieties Improvement JING Wenjiang, GU Hanzhu, ZHANG Xiaoxiang, WU Hao, ZHANG Weiyang, GU Junfei, LIU Lijun, WANG Zhiqin, YANG Jianchang, ZHANG Hao	505
Characteristics of Grain Protein Accumulation and Its Response to Nitrogen Level in Good Taste Rice Varieties LU Dandan, YONG Mingling, TAO Yu, YE Miao, ZHANG Zujian	520
Effects of Simplified Application of Dedicated Fertilizer on Yield, Fertilizer Use Efficiency and Economic Benefit in Rice-ratoon Rice System WANG Minyu, DAI Zhigang, YU Defang, WANG Xiangping, GUAN Shaohua, SHAO Yuangang, ZHANG Jiaxue, LI Xiaokun	531
Effect of Elevated CO ₂ Concentration on Rice Growth and CH ₄ Emission from Paddy Fields Under Straw Incorporation ZENG Wenjing, QIU Lanying, CHEN Junjie, QIAN Haoyu, ZHANG Nan, DING Yanfeng, JIANG Yu	543