



中文核心期刊
 中国科技核心期刊
 中国科学引文数据库(CSCD)来源期刊
 RCCSE中国核心学术期刊(A)
 中国农林核心期刊

ISSN 2095-1191
 CODEN NNXAAB

南方农业学报

Nanfang Nongye Xuebao

第52卷 第1期 2021年1月

Journal of Southern Agriculture

Vol.52 No.1 Jan. 2021

1

2021

广西壮族自治区农业科学院 主办

Sponsored by Guangxi Academy of Agricultural Sciences

科学出版社 出版

Published by Science Press



南方农业学报

Nanfang Nongye Xuebao

第52卷 第1期 2021年1月

目次

优秀青年学者论坛

- 1 黄白双花口服液治疗犍牛腹泻的系统药理学分析
..... 董书伟,樊灵芝,李磊,王海峰,朱海鲸,翟军军,屈雷,王胜义

专题:稻

- 11 云南哈尼梯田地方水稻品种月亮谷对白背飞虱取食的主要防御反应
..... 黄钰,王玥,杨金睿,赵慧婷,陈斌,肖关丽
- 20 抽穗期高温对水稻叶片光合特性、叶绿素荧光特性和产量构成因素的影响
..... 吴思佳,李仁英,谢晓金,张娟,陈佳林,徐向华,胡宗荟,卢炳浩,张娜
- 28 寒地水稻分蘖期耐盐碱性筛选与评价
..... 李逸,张巩亮,赵海成,韩宇,刘欣宇,张常钰,李红宇
- 37 稻飞虱诱导下水稻挥发物分析 陈灿,张晓丽,刘百龙,秦学毅,郭辉,冯锐
- 45 湖南双季稻田氮素去向及残效定量研究 樊鹏飞,刘伟民,杨勇,向红坤,田昌,张振华
- 55 8种杀菌剂对水稻细菌性条斑病的防效评价
..... 冯爱卿,陈深,汪聪颖,杨健源,封金奇,陈凯玲,陈炳,朱小源
- 63 氮高效型优质常规稻品种筛选
..... 吴子帅,罗翠萍,李虎,罗群昌,陈传华,朱其南,周新明,吴佳桔,刘广林
- 70 怀集药用野生稻农艺性状及其抗氧化酶特性分析
..... 周丽萍,李嘉庆,刘拥海,彭春芳,俞乐,李新昌
- 78 基于隶属函数值法的直播稻芽期和幼苗期耐低温淹水能力综合评价
..... 张晓丽,陶伟,陈雷,高国庆,张小泉,梁天锋,唐茂艳
- 86 10种常用杀菌剂对水稻纹枯病菌的敏感性及其协同作用
..... 周艾艾,田旭军,刘世江,丁怡,赵琪君,李明,李荣玉
- 95 广西热区晚稻田稗草种类及其分布特点 佟瑶,义珊池,黄梦鸽,刘书宇,韦晨阳,唐文伟
- 104 适宜重庆地区直播中稻蓄留再生稻品种筛选及其丰产性分析
..... 肖人鹏,刘强明,张现伟,文明,姚雄,张巫军,段秀建,唐永群,李经勇
- 115 不同除草剂对寒地水稻穗部性状及产量和品质的影响
..... 秦猛,刘丽华,康楷,翟玲侠,陈志波,孙维声,官天明,刘昊,郑桂萍
- 123 2种施硒方式对水稻硒吸收及分布的影响
..... 蒋雄英,莫千持,蒋云伟,黄丽秀,尹辉,赵恒志,范大泳
- 129 湛江某流域水稻田土壤汞污染特征及评价 李雅婷,罗松英,梁志鹏,唐道斌,劳月柳
- 137 广西稻区不同水稻品种对氮肥施用量的响应差异
..... 陈桂芬,黄雁飞,刘斌,刘淑仪,黄玉溢,林昔香,唐其展

园艺·园林·林业

- 145 236份黄瓜种质资源农艺性状的遗传多样性分析及优质种质筛选
..... 赵陆滢,许俊强,许彬,胡安平,张应华
- 155 粉蕉*MbACO2*基因克隆及其表达分析 唐宇其,颜彦,李美英,胡伟
- 163 砧用茄子种质耐冷性鉴定及耐性生理响应 向婷颖,田茂燕,钟川,王鹏,阳燕娟,于文进
- 172 接种丛枝菌根真菌对辣椒积累转运镉的影响
..... 牟玉梅,邢丹,周鹏,宋拉拉,吴康云,胡明文,盖霞普
- 180 莴笋叶片低温下积累花青素对光合作用的影响
..... 朱俊杰,王天顺,牙禹,范业赓,廖洁,闫飞燕

加工·贮藏·质量安全

- 189 茨种壳多酚超声辅助提取工艺优化及其对金黄色葡萄球菌的抑制效果
..... 张柳婷,吕金月,张港,李亚涛,蔡梅红,段玉清
- 198 大叶千斤拔叶黄酮的超声—微波协同提取工艺及其抗氧化活性研究
..... 熊建文,李俊琦,梁莹,谢琳,孙松,蔡锦源,韦坤华
- 206 3种养殖模式罗非鱼品质比较分析与评价
..... 郭忠宝,肖蕊,黄卉,罗永巨,崔凯,肖俊,汪翔,阴晴朗,梁军能

畜牧·兽医·水产·蚕桑

- 213 3个尖塘鳢引进群体繁育后代的遗传多样性分析
..... 林明辉,朱华平,苏换换,樊佳佳,池金泉,马冬梅
- 221 眼斑双锯鱼形态性状与体质量的相关性及通径分析
..... 王海山,叶乐,胡清雨,符美好,肖子鸿
- 228 配合饲料替代活饵对鳊生长性能、消化功能及小肽转运载体基因表达的影响
..... 曾萌冬,徐俊,宋银都,赵金良
- 238 卵形鲳鲆*RelB*蛋白原核表达及其多克隆抗体制备
..... 段家文,乔瑞峰,雷坤,杨萌,陆专灵,韦友传
- 245 农药在桑树上混合施用对家蚕原原种的安全性评价
..... 杨继芬,谢道燕,廖鹏飞,刘位芬,杜伟,欧秀华,丁志伟,李玲利,杨文

农业信息技术·农业经济

- 253 基于Luenberger-Hicks-Moorsteen指标的福建省农业全要素生产率测度及收敛性分析
..... 许标文,陈雪丽,段园园,林国华
- 261 中国食用菌出口美国的影响因素分析 张延斌

本期执行编辑:麻小燕

期刊基本参数:CN 45-1381/S*1940*m*A4*268*zh*P* ¥ 45.00*1000*32*2021-01

万方数据

Journal of Southern Agriculture

Vol.52 No.1, 2021

Contents

Outstanding Young Scholars Forum

- 1 A systematic pharmacological analysis of Huangbaishuanghua oral liquid for treating calf diarrhea
..... DONG Shu-wei, FAN Ling-zhi, LI Lei, WANG Hai-feng, ZHU Hai-jing, ZHAI Jun-jun, QU Lei, WANG Sheng-yi

Special Subject: Rice

- 11 Defence response of local rice variety Acuce in Hani terraced fields in Yunnan against the feeding of *Sogatella furcifera*
..... HUANG Yu, WANG Yue, YANG Jin-rui, ZHAO Hui-ting, CHEN Bin, XIAO Guan-li
- 20 Effects of high temperature on characteristics of photosynthesis and chlorophyll fluorescence and yield components of rice at heading stage
..... WU Si-jia, LI Ren-ying, XIE Xiao-jin, ZHANG Qi, CHEN Jia-lin, XU Xiang-hua, HU Zong-hui, LU Bing-hao, ZHANG Na
- 28 Screening and evaluation of salt and alkali tolerance of rice at tillering stage in cold regions
..... LI Yi, ZHANG Gong-liang, ZHAO Hai-cheng, HAN Yu, LIU Xin-yu, ZHANG Chang-yu, LI Hong-yu
- 37 Rice volatile components induced by rice planthopper
..... CHEN Can, ZHANG Xiao-li, LIU Bai-long, QIN Xue-yi, GUO Hui, FENG Rui
- 45 Quantitative study on nitrogen fate and residual effect of double cropping rice fields in Hunan
..... FAN Peng-fei, LIU Wei-min, YANG Yong, XIANG Hong-kun, TIAN Chang, ZHANG Zhen-hua
- 55 Evaluation on the disease control efficacy of eight fungicides against rice bacterial leaf streak
..... FENG Ai-qing, CHEN Shen, WANG Cong-ying, YANG Jian-yuan, FENG Jin-qi, CHEN Kai-ling, CHEN Bing, ZHU Xiao-yuan
- 63 Screening of high-quality conventional rice varieties with high nitrogen efficiency
..... WU Zi-shuai, LUO Cui-ping, LI Hu, LUO Qun-chang, CHEN Chuan-hua, ZHU Qi-nan, ZHOU Xin-ming, WU Jia-ju, LIU Guang-lin
- 70 Agronomic characters and antioxidant enzyme characteristics of *Oryza officinalis* Wall in Huaiji
..... ZHOU Li-ping, LI Jia-qing, LIU Yong-hai, PENG Chun-fang, YU Le, LI Xin-chang
- 78 Comprehensive evaluation of low temperature and waterlogging stress of direct-seeding rice at bud stage and seedling stage using membership function method
..... ZHANG Xiao-li, TAO Wei, CHEN Lei, GAO Guo-qing, ZHANG Xiao-quan, LIANG Tian-feng, TANG Mao-yan
- 86 Sensitivity of 10 common fungicides to *Rhizoctonia solani* and their synergistic effects
..... ZHOU Ai-ai, TIAN Xu-jun, LIU Shi-jiang, DING Yi, ZHAO Qi-jun, LI Ming, LI Rong-yu
- 95 Distribution characteristics of *Echinochloa* species in late rice fields in tropical areas of Guangxi
..... TONG Yao, YI Shan-chi, HUANG Meng-ge, LIU Shu-yu, WEI Chen-yang, TANG Wen-wei
- 104 Screening for ratooning rice of direct seeding medium rice varieties suitable in Chongqing area and their high-yield abilities
..... XIAO Ren-peng, LIU Qiang-ming, ZHANG Xian-wei, WEN ming, YAO Xiong, ZHANG Wu-jun, DUAN Xiu-jian, TANG Yong-qun, LI Jing-yong
- 115 Effects of different herbicides on panicle traits, yield and quality of rice panicle in cold regions
..... QIN Meng, LIU Li-hua, KANG Kai, ZHAI Ling-xia, CHEN Zhi-bo, SUN Wei-sheng, GONG Tian-ming, LIU Hao, ZHENG Gui-ping

- 123 Effects of two selenium application methods on the absorption and distribution of selenium in rice
 JIANG Xiong-ying, MO Qian-chi, JIANG Yun-wei, HUANG Li-xiu, YIN Hui, ZHAO Heng-zhi, FAN Da-yong
- 129 Characteristics and evaluation of mercury pollution in paddy soil of a watershed in Zhanjiang
 LI Ya-ting, LUO Song-ying, LIANG Zhi-peng, TANG Dao-bin, LAO Yue-liu
- 137 Response difference of various rice varieties to nitrogen application rate in rice planting area in Guangxi
 CHEN Gui-fen, HUANG Yan-fei, LIU Bin, LIU Shu-yi, HUANG Yu-yi, LIN Xi-xiang, TANG Qi-zhan

Horticulture · Landscape Architecture · Forestry

- 145 Genetic diversity analysis of agronomic traits and elite accession selection in 263 cucumber germplasm resources
 ZHAO Lu-yan, XU Jun-qiang, XU Bing, HU An-ping, ZHANG Ying-hua
- 155 Cloning and expression analysis of *MbACO2* gene in *Musa* ABB group, cv Pisang Awak, FJ
 TANG Yu-qi, YAN Yan, LI Mei-ying, HU Wei
- 163 Identification of cold resistance and resistance physiological response of eggplant germplasms for rootstock
 XIANG Ting-ying, TIAN Mao-yan, ZHONG Chuan, WANG Peng, YANG Yan-juan, YU Wen-jin
- 172 Effects of the arbuscular mycorrhizal fungi on cadmium accumulation and transport in *Capsicum annum* L.
 MOU Yu-mei, XING Dan, ZHOU Peng, SONG La-la, WU Kang-yun, HU Ming-wen, GAI Xia-pu
- 180 Effects of anthocyanin accumulation on photosynthesis in leaves of asparagus lettuce under low temperature
 ZHU Jun-jie, WANG Tian-shun, YA Yu, FAN Ye-geng, LIAO jie, YAN Fei-yan

Processing · Storage · Quality Safety

- 189 Optimization of ultrasonic assisted extraction of polyphenol from *Euryale ferox* seed shells and its antimicrobial activity against *Staphylococcus aureus* ZHANG Liu-ting, LYU Jin-yue, ZHANG Gang, LI Ya-tao, CAI Mei-hong, DUAN Yu-qing
- 198 Ultrasonic-microwave collaborative extraction process and antioxidant activity of *Flemingia macrophylla* leaf flavonoids
 XIONG Jian-wen, LI Jun-qi, LIANG Ying, XIE Lin, SUN Song, CAI Jin-yuan, WEI Kun-hua
- 206 Comparative analysis and evaluation of nutritional quality of tilapia in three aquaculture modes
 GUO Zhong-bao, XIAO Rui, HUANG Hui, LUO Yong-ju, CUI Kai, XIAO Jun, WANG Xiang, YIN Qing-lang, LIANG Jun-neng

Animal Science · Veterinary Science · Aquiculture · Sericulture

- 213 Genetic diversity analysis among offspring stocks of three imported *Oxyeleotris* populations by microsatellite markers
 LIN Ming-hui, ZHU Hua-ping, SU Huan-huan, FAN Jia-jia, CHI Jin-quan, MA Dong-mei
- 221 Correlation and path coefficient analysis between morphological traits and body weight in *Amphiprion ocellaris*
 WANG Hai-shan, YE Le, HU Qing-yu, FU Mei-hao, XIAO Zi-hong
- 228 Effects of replacing live bait with compound feed on growth, digestion and expression of small peptide transporter (*PepTI*) gene of *Siniperca chuatsi* ZENG Meng-dong, XU Jun, SONG Yin-du, ZHAO Jin-liang
- 238 Prokaryotic expression and polyclonal antibody preparation of RelB protein in golden pompano (*Trachinotus ovatus*)
 DUAN Jia-wen, QIAO Rui-feng, LEI Kun, YANG Meng, LU Zhuan-ling, WEI You-chuan
- 245 Safety evaluation of grandparent silkworm of F₁ hybrid reared with mulberry sprayed with mixed pesticides
 YANG Ji-fen, XIE Dao-yan, LIAO Peng-fei, LIU Wei-fen, DU Wei, OU Xiu-hua, DING Zhi-wei, LI Ling-li, YANG Wen

Agricultural Information Technology · Agriculture Economics

- 253 Measurement and convergence of agriculture total factor productivity in Fujian based on Luenberger-Hicks-Moorsteen indicator XU Biao-wen, CHEN Xue-li, DUAN Yuan-yuan, LIN Guo-hua
- 261 Influencing factors of China's edible fungus export to the United States ZHANG Yan-bin