

全国中文核心期刊
中国科技核心期刊
中国科学引文数据库来源期刊
中国农林核心期刊
RCCSE中国核心学术期刊

ISSN 2095-0756
CODEN ZNDXBB

浙江农林大学学报

JOURNAL OF
ZHEJIANG A&F UNIVERSITY

2023年6月 第40卷 第3期

Vol. 40 No. 3 Jun. 2023



中国 浙江 杭州
HANGZHOU ZHEJIANG CHINA

目次

桂花开花生物学专题(特邀主编:赵宏波)

桂花 *OjMYB1R47* 转录因子在芳香挥发物形成过程中的功能分析

……………岳远征, 胡宏敏, 刘家伟, 申慧敏, 施婷婷, 杨秀莲, 王良桂(465)

‘潢川金桂’花瓣衰老过程中细胞程序性死亡的生理机制

……………贺贝, 蔡璇, 曾祥玲, 王彩云, 周媛, 邹晶晶(475)

桂花 *OfABFs* 基因克隆和表达分析……………洪方蕾, 陆瑶, 俞世姣, 胡芷诺, 缪云锋, 钟诗蔚, 赵宏波(481)桂花 *OfACOs* 基因家族鉴定及表达分析

……………张耀, 王家璇, 蔡璇, 曾祥玲, 杨洁, 陈洪国, 邹晶晶(492)

研究论文

蚂蚁活动对小果野芭蕉群落土壤呼吸季节动态的影响

……………樊宇翔, 杨波, 李艳梅, 王邵军, 张路路, 张昆凤, 解玲玲, 肖博, 王郑钧, 郭志鹏(502)

滇东石漠化坡地不同恢复模式下云南松林土壤碳氮磷化学计量特征及其影响因子

……………梁楚欣, 范弢, 陈培云(511)

土壤酶活性对不同植物连作的差异响应

……………颜顾浙, 方伟, 卢络天, 蒋逸捷, 张笑, 马晓敏, 邱巍, 徐秋芳(520)

矿物调理剂对丘陵红壤天目小香薯产量和酶生态化学计量特征的影响

……………于金珠, 吴辰晨, 姬浩楠, 李松昊, 郭奇峰, 秦华, 陈俊辉(531)

有机肥和炭基肥替代化肥对甘薯坡耕地径流氮磷损失的影响

……………陈佳寅, 黄程鹏, 郑梦琦, 李子鸿, 王佳雨, 姜培坤(540)

雷州半岛尾巨桉人工林水分利用来源的旱雨季差异……………王志超, 许宇星, 竹万宽, 杜阿朋(550)

气候变化背景下中国樟子松潜在分布预测……………张世林, 高润红, 高明龙, 韩淑敏, 张文英, 赵静(560)

晋西黄土区不同林分类型和密度条件下林下灌草组成及多样性特征

……………云慧雅, 毕华兴, 焦振寰, 王宁, 崔艳红, 赵丹阳, 王珊珊, 兰道云, 刘泽晖(569)

基于长时序卫星遥感的云南省生态质量评价与演变特征……………张诗文, 李成荣, 王妍, 武杨(579)

3种栎属树种单木生长模型及树皮厚度模型研究

……………谭灿灿, 聂稳, 刘逸夫, 王亚, 董遥, 黄睿智, 刘建锋, 史胜青, 常二梅, 赵秀莲, 江泽平, 贾子瑞(589)

浙江九龙山常绿阔叶林不同物种的径级结构及空间关联

……………刘菊莲, 韦博良, 吴雁南, 郑英茂, 刘金亮, 倪健, 于明坚, 郑子洪(598)

台州市乔木林树种结构变化模拟与预测

……………任典挺, 张军, 金鑫, 李萍, 王懿祥, 葛宏立, 陶吉兴(608)

基于地理栅格变量与机器学习的松材线虫病扩散风险分析……………刘婷婷, 杨晋帆, 周汝良, 刘琳(617)

大蒜油微乳液的制备及抑藻性能……………黄杨, 郭明, 王义平, 叶碧欢, 陈友吾, 王为宇(627)

水生观赏植物不同种植组合对富营养化水体的净化效果

……………迟明宏, 刘敏, 徐迎春, 金奇江, 王小文, 王彦杰(636)

毛竹根系、新鲜枝叶、凋落物及土壤浸提液对浙贝母的化感作用……………吴海平, 叶根华, 李伟成(648)

基于 SRAP 标记的不同产区黄精的遗传多样性

……………李亚萍, 戴惠明, 姜武, 陈家栋, 段晓婧, 陶正明(658)

不同组织及干旱胁迫下黄薇内参基因的筛选与验证

……………赵雨, 林琳, 王群, 张国哲, 王杰, 尚林雪, 洪思丹, 马清清, 顾翠花(665)

不同日龄湖羊羔羊瘤胃上皮细菌的差异……………纪雯雯, 云燕, 王翀, 茅慧玲(673)

白斑综合征病毒(WSSV)灭活制剂对克氏原螯虾抗WSSV的研究

……………裘杰珂, 赖勇勇, 许英蕾, 朱斐(680)

文献综述

城市绿地土壤研究文献的 CiteSpace 可视化分析

……………包婕, 江峰, 马嘉伟, 徐彦, 马瑗蕊, 陈楚文, 叶正钱, 柳丹(685)

Contents

Functional analysis of <i>OfMYB1R47</i> transcription factor in <i>Osmanthus fragrans</i> during the formation of aromatic volatiles	YUE Yuanzheng, HU Hongmin, LIU Jiawei, et al. (465)
Programmed cell death events during the petal senescence of <i>Osmanthus fragrans</i> ‘Huangchuan Jingui’	HE Bei, CAI Xuan, ZENG Xiangling, et al. (475)
Cloning and expression analysis of <i>OfABFs</i> gene in <i>Osmanthus fragrans</i>	HONG Fanglei, LU Yao, YU Shijiao, et al. (481)
Identification and expression of <i>OfACOs</i> gene family in <i>Osmanthus fragrans</i>	ZHANG Yao, WANG Jiaxuan, CAI Xuan, et al. (492)
Effects of ant activities on seasonal dynamics of soil respiration in the <i>Musa acuminata</i> communities of Xishuangbanna	FAN Yuxiang, YANG Bo, LI Yanmei, et al. (502)
Stoichiometric characteristics and influencing factors of soil C, N and P in <i>Pinus yunnanensis</i> forests under different restoration modes on rocky desertification slope land in eastern Yunnan	LIANG Chuxin, FAN Tao, CHEN Peiyun (511)
Differential response of soil enzyme activity to continuous cropping of different plants	YAN Guzhe, FANG Wei, LU Luotian, et al. (520)
Effects of mineral conditioner on the yield of sweet potato and ecoenzymatic stoichiometry in a hilly red soil	YU Jinzhu, WU Chenchen, JI Haonan, et al. (531)
Effects of substituting organic fertilizer and biochar-based fertilizer instead of chemical fertilizer on nitrogen and phosphorus runoff loss in sweet potato sloping farmland	CHEN Jiayin, HUANG Chengpeng, ZHENG Mengqi, et al. (540)
Difference in water use sources of <i>Eucalyptus urophylla</i> × <i>E. grandis</i> plantation in the Leizhou Peninsula during dry and rainy seasons	WANG Zhichao, XU Yuxing, ZHU Wankuan, et al. (550)
Prediction of the potential distribution pattern of <i>Pinus sylvestris</i> var. <i>mongolica</i> in China under climate change	ZHANG Shilin, GAO Runhong, GAO Minglong, et al. (560)
Composition and diversity of understory plants under different stand types and densities in loess region of western Shanxi Province	YUN Huiya, BI Huaxing, JIAO Zhenhuan, et al. (569)
Evaluation and evolution characteristics of ecological quality in Yunnan based on long-time series satellite remote sensing	ZHANG Shiwen, LI Chengrong, WANG Yan, et al. (579)
Tree growth model and bark thickness model of three <i>Quercus</i> species based on trunk analysis	TAN Cancan, NIE Wen, LIU Yifu, et al. (589)
Size structure and spatial association of different species of an evergreen broad-leaved forest in Jiulong Mountain, Zhejiang Province	LIU Julian, WEI Boliang, WU Yannan, et al. (598)
Simulation and prediction of tree species composition change of forests in Taizhou City	REN Dianting, ZHANG Jun, JIN Xin, et al. (608)
Prediction of spread risk of pine wilt disease based on geographic raster variables and machine learning models	LIU Tingting, YANG Jinfan, ZHOU Ruliang, et al. (617)
Preparation and algae inhibition of garlic oil microemulsion	HUANG Yang, GUO Ming, WANG Yiping, et al. (627)
Purification effects of different combinations of ornamental aquatic plants on eutrophic water	CHI Minghong, LIU Min, XU Yingchun, et al. (636)
Allelopathic effects of <i>Phyllostachys edulis</i> extracts on <i>Fritillaria thunbergii</i>	WU Haiping, YE Genhua, LI Weicheng (648)
Genetic diversity of <i>Polygonatum</i> spp. from different production areas based on SRAP markers	LI Yaping, DAI Huiming, JIANG Wu, et al. (658)
Screening and validation of reference genes in <i>Heimia myrtifolia</i> in different tissues and under drought stress	ZHAO Yu, LIN Lin, WANG Qun, et al. (665)
Differences of ruminal epithelial bacterial diversity of Hu lambs at different ages	JI Wenwen, YUN Yan, WANG Chong, et al. (673)
Anti-WSSV effect of inactivated preparation of white spot syndrome virus (WSSV) on <i>Procambarus clarkii</i>	QIU Jieke, LAI Yongyong, XU Yinglei, et al. (680)
Review	
CiteSpace visualization analysis of urban green space soil research literature	BAO Jie, JIANG Feng, MA Jiawei, et al. (685)

ZHEJIANG NONGLIN DAXUE XUEBAO

主 编 沈 希

责任编辑 周莉花 刘丽娟 章晓光



浙 江 农 林 大 学 学 报

(双月刊 1984 年创刊)

2023 年 6 月 20 日 第 40 卷 第 3 期 (总第 184 期)

JOURNAL OF ZHEJIANG A&F UNIVERSITY

(Bimonthly, Started in 1984)

2023-06-20 Vol. 40 No. 3 (Sum No. 184)

主 管 浙 江 省 教 育 厅

主 办 浙 江 农 林 大 学

编辑出版 浙江农林大学学报编辑部

311300 浙江 杭州

0571-63732749

E-mail: zlx@zafu.edu.cn

国外发行 中国国际图书贸易集团有限公司

100048 北京 399 信箱

国内发行 浙江农林大学学报编辑部

印 刷 杭州长命印刷有限公司

Administrated by Department of Education of

Zhejiang Province

Sponsored by Zhejiang A&F University

Editor in Chief SHEN Xi

Edited and Published by Department of

Journal of Zhejiang A&F University

(Hangzhou 311300, Zhejiang, China)

Distributed by China International Book

Trading Corporation

(P. O. Box 399, Beijing 100048, China)

公开发行

中国标准连续出版物号:

ISSN 2095-0756
CN 33-1370/S

<http://zlx.zafu.edu.cn>

定价: 20.00 元

