

浙江农林大学学报

Zhejiang Nonglin Daxue Xuebao

2025 年 6 月 20 日

第 42 卷 第 3 期

目 次

研究论文

延胡索产量和品质对杉木林郁闭度和凋落物处理的响应

..... 王雨齐, 张前前, 张文卓, 俞叶飞, 吕强锋, 滕秋梅, 李永春(433)

植被恢复条件下红壤水-土-养分淋溶特征及归因分析

..... 范清华, 刘晓君, 李 鹏, 张 伟, 任正龔, 张虎威, 陶清瑞, 胥世斌(444)

白洋淀上游山区典型流域水源涵养林不同植被优化配置

..... 邓雅元, 王美琪, 闫烨琛, 杨建英, 张广英, 王 洁, 杨 瑾(457)

不同菌株对玄武岩风化过程中元素释放的影响 杨 盼, 罗玉博, 杨 姣, 袁 思, 李建武(468)

源自蚯蚓堆肥的吡啶乙酸高产菌株筛选、代谢途径解析及发酵条件优化

..... 郭畅健, 余克非, 郑展望(477)

生物质炭基肥对茶园土壤肥力和茶叶产量与品质的影响

..... 张素娥, 邹文华, 雷春松, 罗小平, 赖丽芬, 雷 晶, 郭建红, 姜培坤(486)

中、幼龄红松人工林生长季非结构性碳水化合物和碳氮磷生态化学计量特征

..... 李虹谕, 杨会侠, 孙佳彤, 刘 晴, 李连强, 李慧仁(495)

刺槐小枝功能性状沿降水梯度的适应策略及其驱动机制

..... 丁新新, 汤璐瑶, 张博纳, 叶琳峰, 谢江波, 王忠媛(503)

郑州市 13 种常绿灌木叶面微结构对大气颗粒物滞留能力的影响

..... 贺 丹, 原江琴, 高振飞, 李朝梅, 雷雅凯, 刘艺平, 董娜琳(513)

辽东山区蒙古栎林乔木生物量的影响因素

..... 董莉莉, 赵济川, 汪成成, 孙云霞, 胡 博, 高英旭, 王建军, 刘红民(524)

浙江白露山风景名胜区常绿阔叶林木本植物优势种生态位及种间联结性

..... 潘晨昊, 唐卫平, 黄 晗, 胡瀚文, 叶 进, 陈胜龙, 吴家森(533)

天马国家级自然保护区落叶阔叶林主要树种空间分布格局及其关联性

..... 陶 涛, 光太俊, 黄庆丰, 唐雪海, 欧强新, 刘 华(544)

温度对金银花尺蠖幼虫、蛹和成虫 4 种酶活性的影响 向玉勇, 张 妍, 陶翠玲(554)

红膜对 3 种蔬菜光合性能与果实品质的影响

..... 李璐瑶, 张 君, 应学兵, 徐浩哲, 王振源, 张雨婷, 陈萍梅, 左照江(564)

红花石蒜种子脱水过程中的形态与生理变化 萨日娜, 蔡军火, 魏绪英, 游 欣, 温 婷, 王 浙(572)

石蒜属植物种间杂交种染色体制片体系优化和细胞遗传学分析 赵梦婧, 殷素雅, 高燕会(581)

闽楠叶片原生质体分离及瞬时转化体系的建立 叶如梅, 汪长天, 韩 潇, 张俊红, 杨 琪(592)

基于遥感生态指数的大冶矿区生态网络格局构建及优化

..... 李 婷, 李朝奎, 从 政, 冯媛媛, 毛 艳(601)

密度分布对层状压缩杉木横纹抗压强度的影响

..... 赵丽媛, 黄荣凤, 王艳伟, 何啸宇, 孙龙祥, 陈章景(611)

铣削参数对毛竹切削力及维管束纤维提取质量的影响 胡晓军, 田 泽, 徐云杰, 管 珣(622)

文献综述

中国稻鸭共作的创意模式、生态效应及机制研究

..... 苗 苗, 殷徐康, 王 寅, 任晋东, 卢立志, 赖齐贤, 张小明, 耿 玮, 刘书悦, 汤 勇(631)

土壤碳氮磷化学计量特征及其驱动因素 高子滢, 王海燕, 张亦凡(645)

执行编辑: 周莉花

责任编辑: 周莉花 刘丽娟 李丹璐 章晓光

期刊基本参数: 33-1370/S*1984*b*A4*224*zh*P*¥ 20.00*800*22*2025-06-20

Contents

Response of yield and tetrahydropalmatine content of <i>Corydalis yanhusuo</i> to canopy density and litter treatment of Chinese fir forest	WANG Yuqi, ZHANG Qianqian, ZHANG Wenzhuo, et al. (433)
Characterization and attribution of water-soil-nutrient leaching from red soil under vegetation restoration conditions	FAN Qinghua, LIU Xiaojun, LI Peng, et al. (444)
Optimal allocation of different vegetation types for water conservation forests in typical watershed in the upper reaches of Baiyangdian mountainous area ...	DENG Yayuan, WANG Meiqi, YAN Yechen, et al. (457)
Effects of different microbial strains on element release during weathering of basalt	YANG Pan, LUO Yubo, YANG Jiao, et al. (468)
Screening, metabolic pathway analysis and fermentation condition optimization of a high-yielding strain of indoleacetic acid from earthworm compost	GUO Changjian, YU Kefei, ZHENG Zhanwang (477)
Impact of biochar-based fertilizers on soil fertility in tea plantations and their effects on tea yield and quality	ZHANG Su'e, ZOU Wenhua, LEI Chunsong, et al. (486)
Structural carbohydrate and carbon, nitrogen, phosphorus ecological stoichiometry in young and middle-aged <i>Pinus koraiensis</i> plantations during growing seasons	LI Hongyu, YANG Huixia, SUN Jiatong, et al. (495)
Adaptive strategies of twig functional traits in <i>Robinia pseudoacacia</i> along a precipitation gradient and their driving mechanisms	DING Xinxin, TANG Luyao, ZHANG Bona, et al. (503)
Effects of leaf surface microstructure of 13 evergreen shrubs on atmospheric particulate retention capacity in Zhengzhou City	HE Dan, YUAN Jiangqin, GAO Zhenfei, et al. (513)
Influencing factors of tree biomass in <i>Quercus mongolica</i> forest in the mountainous region of eastern Liaoning Province	DONG Lili, ZHAO Jichuan, WANG Chengcheng, et al. (524)
Niche and interspecific association of dominant species of woody plants in evergreen broad-leaved forest in Bailushan scenic area, Zhejiang Province	PAN Chenhao, TANG Weiping, HUANG Han, et al. (533)
Spatial distribution pattern and correlation of main tree species in deciduous broad-leaved forest in Tianma National Nature Reserve	TAO Tao, GUANG Taijun, HUANG Qingfeng, et al. (544)
Effect of temperature on the activity of 4 enzymes in <i>Heterolocha jinyinhuaphaga</i>	XIANG Yuyong, ZHANG Yan, TAO Cuiling (554)
Effects of red film on photosynthetic abilities and fruit qualities in 3 vegetables	LI Luyao, ZHANG Jun, YING Xuebing, et al. (564)
Morphological and physiological changes during the dehydration process of <i>Lycoris radiata</i> seeds	SA Rina, CAI Junhuo, WEI Xuying, et al. (572)
Chromosome preparation system optimization and cytogenetic analysis of interspecific hybrids of <i>Lycoris</i>	ZHAO Mengjing, YIN Suyu, GAO Yanhui (581)
Establishment of protoplast isolation and transient expression system in <i>Phoebe bournei</i> leaves	YE Rumei, WANG Changtian, HAN Xiao, et al. (592)
Construction and optimization of ecological network pattern in Daye mining area based on remote sensing ecological index	LI Ting, LI Chaokui, CONG Zheng, et al. (601)
Influence of density distribution on the compressive strength perpendicular to grain of sandwich-compressed <i>Cunninghamia lanceolata</i> wood ...	ZHAO Liyuan, HUANG Rongfeng, WANG Yanwei, et al. (611)
Effect of milling parameters on cutting force and quality of vascular bundle fiber extraction in bamboo	HU Xiaojun, TIAN Ze, XU Yunjie, et al. (622)

Reviews

Creative model, ecological effects, and mechanism of rice-duck co-culture system in China	MIAO Miao, YIN Xukang, WANG Yin, et al. (631)
Soil carbon, nitrogen and phosphorus stoichiometric characteristics and driving factors: a review	GAO Ziying, WANG Haiyan, ZHANG Yifan (645)