

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
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

2020年2月 第37卷 第1期
Vol. 37 No. 1 Feb. 2020



中国 浙江 杭州
HANGZHOU ZHEJIANG CHINA



万方数据

目 次

基于 MaxEnt 模型预测鹅掌楸在中国的潜在分布区
..... 邱浩杰, 孙杰杰, 徐 达, 沈爱华, 江 波, 袁位高, 李 胜 (1)

云南高原湖泊杞麓湖动态演变及景观生态风险评价
..... 王 涛, 肖彩霞, 刘 娇, 禄 鑫 (9)

粤北 3 种林分凋落叶-根系-土壤生态化学计量特征
..... 李非凡, 孙 冰, 裴男才, 闫玮明, 罗鑫华 (18)

北京市侧柏低效林物种多样性改造策略
..... 靳孟理, 胡 俊, 齐 实, 逯进生, 李 月, 蒋九华 (27)

萌芽杉木幼龄林植物群落特征
..... 田 甜, 余树全, 张旭东, 白彦锋, 张华锋, 姜春前 (36)

毛竹茎秆快速生长期 *PeATG1/PeATG4* 基因表达分析
..... 卜柯丽, 傅卢成, 王灵杰, 栗青丽, 王柯杨, 马元丹, 高 岩, 张汝民 (43)

竹笋截梢对绿竹生长及叶绿素荧光特性的影响
..... 卢玉生, 官凤英, 彭 超, 尹子旭, 张美曼, 詹美春, 晏颖杰 (51)

固沙樟子松种子萌发与幼苗生长对干旱胁迫的响应及抗旱性评价
..... 王东丽, 张日升, 方 祥, 王 凯, 吴叶礼, 秦崧悦, 龙丹丹, 沈海鸥 (60)

埋管通气对雷竹林土壤氧气体积分数的影响 郭益昌, 庄舜尧, 胡昱彦, 桂仁意 (69)

杉木人工林土壤微生物对林分密度的响应
..... 李智超, 张勇强, 厚凌宇, 宋立国, 孙启武 (76)

稻草不同还田量对土壤动物群落结构的影响
..... 罗熲丽, 段均华, 姚 恒, 卢昌泰, 肖玖金, 张 健 (85)

灾变模型在马尾松毛虫幼虫发生量预报中的应用
..... 张书平, 余 燕, 毕守东, 周夏芝, 邹运鼎, 张国庆, 张 楨, 方国飞, 宋玉双 (93)

基于神经网络的马尾松人工林密度指数模型 刘光武, 陈 晨, 王柯力 (100)

基于最大胸径生长率的浙江省杉木人工林立地质量评价
..... 杨海宾, 张茂震, 丁丽霞, 于晓辉 (105)

福建杉木树冠外轮廓和树冠体积相容性模型 吴丹子, 王成德, 李 惊, 刘 敏 (114)

基于机器学习算法的广西桉树适宜性研究 杜雨菲, 吴保国, 陈玉玲 (122)

高分 1 号数据用于云南文山三七种植信息提取
..... 朱 赞, 袁希平, 甘 淑, 张良洁, 赵庆会 (129)

基于随机森林法的农作物高光谱遥感识别
..... 吴立周, 王晓慧, 王志辉, 方 馨, 朱婷瑜, 丁丽霞 (136)

不同南瓜品种的综合评价 滕芝妍, 崔雨同, 应学兵, 郑伟尉, 臧运祥, 朱祝军 (143)

成熟度对 5 个常规粳稻种子质量的影响 王 利, 李啸天, 赵光武 (151)

引种美国红橡的纤维形态、微纤丝角及结晶度 李聪聪, 潘 彪, 王 慧, 黄利斌 (158)

铜唑防腐剂对杨木重组木防腐性能及物理力学性能的影响
..... 鲍敏振, 于文吉, 陈玉和, 余养伦, 吴再兴, 何 盛, 李 能 (165)

文献综述
植被对城市热岛效应影响的研究进展
..... 崔凤娇, 邵 锋, 齐 锋, 王誉洁, 张泰龙, 余海盈 (171)

研究简报
黄薇花粉活力及柱头可授性 罗卿清, 郑 钢, 顾翠花, 顾 帆, 陈 凯, 郑绍宇 (182)

闽楠微扦插繁育体系的建立 肖业玲, 童再康, 吴建辉 (188)

Contents

- MaxEnt model-based prediction of potential distribution of *Liriodendron chinense* in China
..... QIU Haojie, SUN Jiejie, XU Da, et al. (1)
- Dynamic evolution and landscape ecological risks assessment of Qilu Lake in Yunnan Plateau
..... WANG Tao, XIAO Caixia, LIU Jiao, et al. (9)
- Characteristics of litter-root-soil ecological stoichiometry of three forest stands in northern Guangdong
..... LI Feifan, SUN Bing, PEI Nancai, et al. (18)
- Reconstruction measures of species diversity of low-function *Platycladus orientalis* forest in Beijing
..... JIN Mengli, HU Jun, QI Shi, et al. (27)
- Plant community characteristics of young *Cunninghamia lanceolata* sprout forest
..... TIAN Tian, YU Shuquan, ZHANG Xudong, et al. (36)
- Analysis of *PeATG1/PeATG4* gene expression in *Phyllostachys edulis* during rapid growth
..... BU Keli, FU Lucheng, WANG Lingjie, et al. (43)
- Effects of bamboo shoot truncation on growth and chlorophyll fluorescence characteristics of
Dendrocalamopsis oldhami LU Yusheng, GUAN Fengying, PENG Chao, et al. (51)
- Seed germination and seedling growth response to drought stress and resistance evaluation for introduced
Pinus sylvestris var. *mongolica* sandy-fixation plantation
..... WANG Dongli, ZHANG Risheng, FANG Xiang, et al. (60)
- Soil oxygen content of *Phyllostachys violascens* with pipe-buried aeration
..... GUO Yichang, ZHUANG Shunhao, HU Yuyan, et al. (69)
- Response of soil microorganism to stand density in *Cunninghamia lanceolata* plantation
..... LI Zhichao, ZHANG Yongqiang, HOU Lingyu, et al. (76)
- Effects of different rice straw returning quantities on soil fauna community structure
..... LUO Manli, DUAN Junhua, YAO Heng, et al. (85)
- A catastrophe model to forecast larvae occurrence of *Dendrolimus punctatus*
..... ZHANG Shuping, YU Yan, BI Shoudong, et al. (93)
- Density index model of the *Pinus massoniana* plantation based on artificial neural network(ANN)
..... LIU Guangwu, CHEN Chen, WANG Keli (100)
- Site quality evaluation of *Cunninghamia lanceolata* plantations in Zhejiang Province based on maximum
DBH growth rate YANG Haibin, ZHANG Maozhen, DING Lixia, et al. (105)
- Crown profile and volume compatibility model of *Cunninghamia lanceolata* in Fujian Province
..... WU Danzi, WANG Chengde, LI Liang, et al. (114)
- Eucalyptus* suitability in Guangxi based on machine learning algorithms
..... DU Yufei, WU Baoguo, CHEN Yuling (122)
- GF-1 remote sensing data for *Panax notoginseng* planting information extraction in Wenshan, Yunnan
Province ZHU Zan, YUAN Xiping, GAN Shu, et al. (129)
- Crops identification based on hyperspectral data and random forest method
..... WU Lizhou, WANG Xiaohui, WANG Zhihui, et al. (136)
- Comprehensive evaluation of pumpkin cultivars based on a principal component analysis
..... TENG Zhiyan, CUI Yutong, YING Xuebing, et al. (143)
- Effects of maturity on seed quality of five conventional japonica rice cultivars
..... WANG Li, LI Xiaotian, ZHAO Guangwu (151)
- Fiber morphology, microfibril angle and crystallinity of American red oak introduced
..... LI Congcong, PAN Biao, WANG Hui, et al. (158)
- Effects of CuAz preservative on the antiseptic performance and physical and mechanical properties of
poplar scrimber BAO Minzhen, YU Wenji, CHEN Yuhe, et al. (165)
- Review**
- Research advances in the influence of vegetation on urban heat island effect
..... CUI Fengjiao, SHAO Feng, QI Feng, et al. (171)
- Scientific notes**
- Pollen viability and stigma receptivity of *Heimia myrtifolia*
..... LUO Qingqing, ZHENG Gang, GU Cuihua, et al. (182)
- A micro-cutting system for breeding of *Phoebe bournei*
..... XIAO Yeling, TONG Zaikang, WU Jianhui (188)