

林业科学

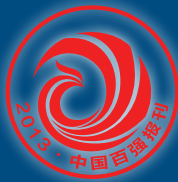
第五十七卷

第十期

二〇二一年十月

《林业科学》编辑部

LINYE KEXUE LINYE KEXUE LINYE KEXUE LINYE KEXUE

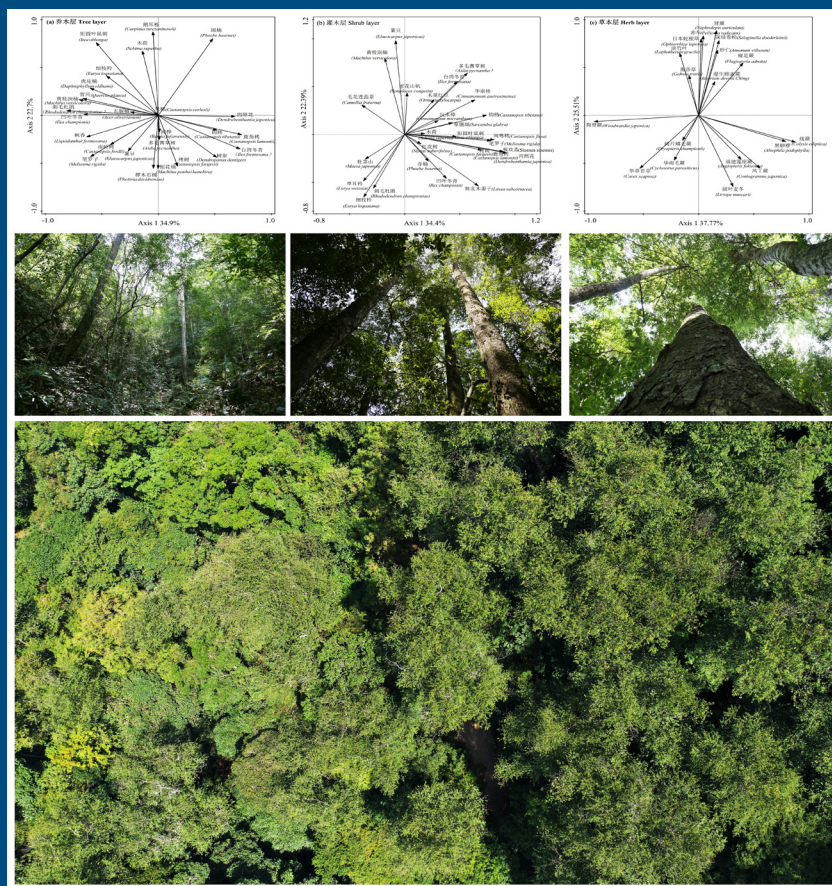


ISSN 1001-7488
CN11-1908/S
CODEN LYKSAL

林业科学

SCIENTIA SILVAE SINICAE 2021.10
第57卷 Vol.57

濒危树种闽桦天然林优势种群间相关性



中国林学会主办

《林业科学》编辑部出版

林业科学 第 57 卷 第 10 期

(2021 年 10 月)

目 次

- 濒危树种闽桦天然林优势种群种间相关性 高 伟, 黄雍容, 林建丽, 等(1)
- 不同密度水曲柳人工林细根生物量对邻近树木胸径和距离的响应 刘 悦, 谢玲芝, 张彦东, 等(15)
- 机载激光雷达大区域亚热带森林参数估测的普适性模型式 李春干, 李 振(23)
- 基于机器学习和多源数据的湘西北森林地上生物量估测 丁家祺, 黄文丽, 刘迎春, 等(36)
- 东北地区落叶松人工林生物量转换与扩展因子空间自回归模型 何 潇, 雷相东(49)
- 增氧灌溉对平邑甜茶生长及根区土壤的影响 尹伊君, 毛云飞, 杨 露, 等(59)
- 核桃炭疽病发生相关的酚类物质代谢分析 陈 新, 王 敏, 傅茂润, 等(71)
- 流苏树花形态及花香成分的时空动态变化 郭海丽, 李际红, 李 琴, 等(81)
- 钻蛀性害虫取食声音的人工智能早期识别 刘璇昕, 孙 钰, 崔 剑, 等(93)
- 气候变化对我国特有濒危动物褐马鸡潜在生境的影响 李宏群, 韩培士, 牛常会, 等(102)
- 硅溶胶与 GU/GMU 树脂复合改性橡胶木的性能 平立娟, 柴宇博, 刘君良, 等(111)
- LOM 薄木层积热压过程中温度实时模拟模型构建 杨春梅, 宁礼佳, 刘清伟, 等(120)
- 综合评述**
- 林木种子休眠与萌发机制研究进展 王艳梅, 张小雪, 朱秀征, 等(128)
- 问题讨论**
- 森林旅游背景下游客的生态公益林保护行为意愿 黄 元, 杨 洁, 秦悦婷, 等(145)
- 研究简报**
- 太白山次生锐齿栎林地上生物量影响因素 庞荣荣, 彭潔莹, 闫 琰(157)
- PVP 处理对黑皮油松外植体酚类物质形成及酶活性的影响 梁 艳, 赵雪莹, 白 雪, 等(166)

(本期值班编辑 王艳娜)

SCIENTIA SILVAE SINICAE Vol.57, No.10

CONTENTS

Interspecific correlations among dominant populations of natural forest of endangered species <i>Betula fujianensis</i>	
..... Gao Wei, Huang Yongrong, Lin Jianli, <i>et al.</i> (1)	
Responses of fine root biomass to diameters of and distances to the neighboring trees of <i>Fraxinus mandschurica</i> plantation with different stocking densities	Liu Yue, Xie Lingzhi, Zhang Yandong, <i>et al.</i> (15)
Generalizing predictive models of sub-tropical forest inventory attributes using an area-based approach with airborne LiDAR data	Li Chungan, Li Zheng(23)
Estimation of forest aboveground biomass in northwest Hunan Province based on machine learning and multi-source data	Ding Jiaqi, Huang Wenli, Liu Yingchun, <i>et al.</i> (36)
Spatial autoregressive biomass conversion and expansion factor models for larch plantations in northeast China	He Xiao, Lei Xiangdong(49)
Effects of aerated irrigation on the growth and rhizosphere soil of <i>Malus hupehensis</i>	
..... Yin Yijun, Mao Yunfei, Yang Lu, <i>et al.</i> (59)	
Metabolic analysis of phenolic compounds associated with walnut anthracnose	
..... Chen Xin, Wang Min, Fu Maorun, <i>et al.</i> (71)	
Flower morphology and spatiotemporal dynamics of aroma components in <i>Chionanthus retusus</i>	
..... Guo Haili, Li Jihong, Li Qin, <i>et al.</i> (81)	
Early recognition of feeding sound of trunk borers based on artificial intelligence	
..... Li Xuanxin, Sun Yu, Cui Jian, <i>et al.</i> (93)	
Impact of climate change on the potential habitat of brown-eared pheasant (<i>Crossoptilon mantchuricum</i>), an endemic and endangered animals to China	Li Hongqun, Han Peishi, Niu Changhui, <i>et al.</i> (102)
Performance of modified rubber wood by silica sol in combination with GU/GMU resin	
..... Ping Lijuan, Chai Yubo, Liu Junliang, <i>et al.</i> (111)	
Temperature field simulation based on LOM thin wood layer thermal compression process	
..... Yang Chunmei, Ning Lijia, Liu Qingwei, <i>et al.</i> (120)	
Review	
Research progress on dormancy and germination mechanism of forest seeds	
..... Wang Yanmei, Zhang Xiaoxue, Zhu Xiuzheng, <i>et al.</i> (128)	
Discussion	
The willingness of tourists to protect the ecological forest under the background of forest tourism	
..... Huang Yuan, Yang Jie, Qin Yueting, <i>et al.</i> (145)	
Scientific notes	
Factors influencing aboveground biomass in the secondary forest of <i>Quercus aliena</i> var. <i>acutiserrata</i> in Taibai Mountain	Pang Rongrong, Peng Jieying, Yan Yan(157)
Effects of PVP treatments on phenolic contents and enzyme activities in the explants of <i>Pinus tabulaeformis</i> var. <i>mukdensis</i>	Liang Yan, Zhao Xueying, Bai Xue, <i>et al.</i> (166)