

目 次

研究论文

一种林分水平结构多样性新参数及其在北京国家植物园的应用

..... 陈明辉, 沈庆华, 闫 帅, 卢彦磊, 孙 猛, 石青松, 温黎彬 (1)

冀北攻坚造林区樟子松幼树叶片功能性状对微地形的响应

..... 赵浩然, 郭忠诚, 张 菲, 张贺祥, 邓 婷, 刘 强 (10)

南岭自然保护区乳阳片区珍稀植物地理分布与环境因子关联分析

李 乐, 邝楚填, 裴男才, 杨锦昌, 高丙涛, 张 晔, 林少锋, 李贵宣, 刘嘉鸿, 王 淳, 郝泽周 (17)

东北红豆杉在北方沿海地区迁地保护研究 刘 邦伟, 曹蓉芬, 汪彦宏, 吕少杰, 邵凌松, 孙中元 (25)

苏木山不同林分密度华北落叶松人工林土壤养分特征

..... 张海东, 王志波, 于楠楠, 乌日恒, 宁 静, 王思惟 (30)

树木防冻防病膜剂室内抑菌效果研究..... 李晓宇, 张 蕾, 杨成超 (37)

4 种乡土树种幼苗对酸铝胁迫的响应差异分析 钟锡锋 (45)

基于典型样地的青岛市乔木林蓄积量研究 崔君滕, 逢 晨, 宋文倩, 王 琦, 彭 建, 徐晓艺 (52)

综合评述

沙棘对非生物胁迫的响应研究进展

..... 海 鹭, 尚 敏, 罗红梅, 卢嘉华, 白钦文, 郭俊廷, 李雪明, 李彬州 (57)

柿繁殖技术研究进展 姜露萍, 魏怡婷, 余 欣, 郑志林 (61)

研究简报

偃松 *PpSS* 和 *PpSE* 基因过表达载体构建 王思瑶, 于宏影, 刘 洋, 梁 雪, 南 方 (68)

林业技术

面向草地退化区域的褐鳞苔草种植技术研究 沈紫微, 丛英利 (72)

蓝靛果忍冬野生资源调查、收集及保存方法简述 王永乐, 陈安琪, 陈善祯 (75)

JOURNAL OF TEMPERATE FORESTRY RESEARCH

Vol. 7 No. 2 Jun. , 2024

Contents

Research Paper

A New Index for Monitoring the Horizontal Structural Diversity of Forests and its Application in China National Botanical Garden in Beijing

·····CHEN Minghui, SHEN Qinghua, YAN Shuai, LU Yanlei, SUN Meng, SHI Qingsong, WEN Libin (1)

Response of Leaf Functional Traits of Young *Pinus sylvestris* var. *mongolica* to Microtopography in the Afforestation Area of Northern Hebei Province

·····ZHAO Haoran, GUO Zhongcheng, ZHANG Fei, ZHANG Hexiang, DENG Ting, LIU Qiang (10)

Geographical Distribution of Rare Plants and the Correlation Analysis with Key Environmental Factors in Ruyang Area of Nanling Nature Reserve, Guangdong Province

·····LI Le, KUANG Chutian, PEI Nancai, YANG Jinchang, GAO Bingtao, ZHANG Ye, LIN Shaofeng,
LI Guixuan, LIU Jiahong, WANG Chun, HAO Zezhou (17)

Conservation of *Taxus cuspidata* in Northern Coastal Areas

·····LIU Bangwei, CAO Rongfen, WANG Yanhong, LV Shaojie, SHAO Lingsong, SUN Zhongyuan (25)

Soil Nutrient Characteristics of *Larix principis-rupprechtii* Plantations with Different Densities in Sumu Mountain

·····ZHANG Haidong, WANG Zhibo, YU Nannan, WU Riheng, NING Jing, WANG Siwei (30)

Study on Indoor Bacteriostatic Effect of Anti-freezing and Anti-disease Film for Trees

·····LI Xiaoyu, ZHANG Lei, YANG Chengchao (37)

Differential Analysis of Response to Aluminum Acid Atrass of Four Native Tree Species Seedlings

·····ZHONG Xifeng (45)

Study on Forest Stock in Qingdao City Based on Typical Plots

·····CUI Junteng, PANG Chen, SONG Wenqian, WANG Qi, PENG Jian, XU Xiaoyi (52)

Review

Research Progress in Response of Seabuckthorn to Abiotic Stress

·····HAI Lu, SHANG Min, LUO Hongmei, LU Jiahua, BAI Qinwen, GUO Junteng,
LI Xueming, LI Binzhou (57)

Research Progress of Persimmon (*Diospyros kaki*) Propagation Techniques

·····JIANG Luping, WEI Yiting, YU Xin, ZHENG Zhilin (61)

Scientific Notes

Construction of Overexpression Vectors of *PpSS* and *PpSE* Genes from *Pinus pumila*

·····WANG Siyao, YU Hongying, LIU Yang, LIANG Xue, NAN Fang (68)

Forest Technology

Research on Planting Technology of *Carex brunnescens* in Grassland Degradation Areas

·····SHEN Ziwei, CONG Yingli (72)

Methods of Investigation, Collection and Preservation of Wild Resources of *Lonicera caerulea*

·····WANG Yongle, CHEN Anqi, CHEN Shanzhen (75)