

ISSN 1000-5382
CODEN DLDXEU

东北林业大学学报

东北林业大学学报

JOURNAL OF NORTHEAST FORESTRY UNIVERSITY



中文核心期刊
全国优秀科技期刊

DONGBEI LINYE DAXUE XUEBAO

第五十卷
第十一期

11

第50卷 Volume 50

2022

二〇二二年十一月

东北林业大学学报

2022 年

第 50 卷 第 11 期

目次

应用仿生模式分析光环境对蜘蛛抱蛋光合特性及

生物量分配的影响 谭锦豪 于耀泓 罗晓荷 王冉 王玥 苏艳 何茜(1)

地表滴灌-施氮对短轮伐期毛白杨人工林生长及水分利用和氮素吸收的影响 杨红青 贺日林 贾黎明(10)

气候因子对不同竞争等级华北落叶松

径向生长的影响 潘磊 段文标 于澎湃 李佳梅 刘兵兵 王彦辉 王晓 刘泽彬 徐丽宏(16)

曲靖市马龙区城市林木树冠覆盖与热环境的相关性 周天宇 朱坤 彭建松 秦记争 代继平(23)

叶尔羌河流域不同植被类型归一化植被指数的变化及驱动因素 关含笑 刘玉婷 张齐飞 庞朝悦(30)

天山一号冰川岩面生地衣群落的分类和排序 拜合提妮萨·依明 李作森 雒鹏 艾尼瓦尔·吐米尔(36)

抚育强度对天然针阔混交林细根化学计量及

根系呼吸的影响 高然 董希斌 曲杭峰 张宝山 刘慧 毛亮亮 高彤(43)

PBU 诱导尾叶桉愈伤分化过程中 SOD 活性及基因表达的变化 黄博瑜 方函 陈璇 黄真池(47)

应用局部样本最优 K 值 KNN 模型估测森林蓄积量 龚慧军 陈菊 熊伟华 王昊(52)

应用无人机可见光数据对胡杨林群落单木信息的提取 张文奇 李丹 师庆东 郭玉川(57)

哈尔滨城市林业示范基地 5 种典型人工林

地表死可燃物含水率的预测 李保中 刘鑫源 于淙 韩宇 倪宝新 李妍 徐艳景 杨光(65)

短期增温对内蒙古大青山油松人工林土壤呼吸的影响 郝晨阳 马秀枝 李长生 赵毅勇 武玉龙 梁燕 魏宽(72)

水热条件及坡向对长白山区蒙古栎林土壤呼吸的影响 孙忠林 华明阳 尹智博 李岩 冯颖 姜云天(78)

帽儿山红松干小蠹综合防治 丁恺 解丹 于欣禾 张翰文 牛芳 于忠亮(84)

无菌松材线虫对华北落叶松、油松和马尾松的致病性 方天雨 刘厚言 冯源 陈友梅 叶建仁 朱丽华(90)

君子兰细菌性叶枯病原鉴定及室内药剂筛选 赵丽娜 朱洪坤 吴欣航 张爽 范文忠 崔娟(94)

热处理温度对麻栎木材尺寸稳定性的影响 刘元初 刘莹莹 魏庆健 梁博楠 赵景尧(99)

刀具前角和切削深度对木粉-聚乙烯复合材料

正交切削表面质量的影响 张丰 伍占文 郭晓磊 庆振华 常伟杰(102)

应用硅烷偶联剂改性纸浆纤维与天然橡胶制备的复合材料性能 刘贵言 陈松雪 李凯 张婧轩 许民(106)

天保工程投入结构对国有森林资源的影响 任月 宋金萍 曹玉昆(112)

双循环对中国人造板产业竞争力的影响 刘向越 张蕊 万志芳(115)

• 研究简报 •

黑龙江省几种被子植物新记录 董上 焉志远 穆立蕾 房柱 佟斌 程薪宇 魏晓雪(119)

中国艾姬小蜂属 1 新种及 1 新记录种记述(膜翅目:姬小蜂科) 邓姝晨 李成德(121)

Journal of Northeast Forestry University

2022

Vol.50 No.11

CONTENTS

| | |
|--|--|
| Effect of Different Light Environment on Photosynthetic Characteristics and Biomass Allocation of <i>Aspidistra elatior</i> Blume Using Wild Imitated-cultivation | Tan Jinhao , Yu Yaohong , Luo Xiaotong , Wang Ran , Wang Yue , Su Yan , He Qian(1) |
| Effects of Surface Drip Irrigation and Nitrogen Fertigation on Tree Growth , Water Utilization and Nitrogen Absorption of <i>Populus tomentosa</i> in the Short Rotation | Yang Hongqing , He Yuelin , Jia Liming(10) |
| Response of Radial Growth of <i>Larix principis-rupprechtii</i> Mayr. to Climate at Different Competitive Levels | Pan Lei , Duan Wenbiao , Yu Pengtao , Li Jiamei , Liu Bingbing , Wang Yanhui , Wang Xiao , Liu Zebin , Xu Lihong(16) |
| Correlation between Urban Forest Canopy Cover and Thermal Environment in Malong District Qujing City | Zhou Tianyu , Zhu Kun , Peng Jiansong , Qin Jizheng , Dai Jiping(23) |
| Changes and Driving Forces of NDVI of Different Vegetation Patterns in the Yarkant River Basin | Guan Hanxiao , Liu Yuting , Zhang Qifei , Pang Zhaoyue(30) |
| Quantitative Classification and Ordination of Saxicolous Lichen Communities in Tianshan No.1 Glacier , Xinjiang , China | Yiming Bahtinisa , Li Zuosen , Luo Peng , Tumur Anwar(36) |
| Effects of Tending Intensity on Stoichiometry and Root Respiration of Fine Roots in Natural Coniferous and Broad-leaved Mixed Forest | Gao Ran , Dong Xibin , Qu Hangfeng , Zhang Baoshan , Liu Hui , Mao Liangliang , Gao Tong(43) |
| Changes of SOD Activity and Gene Expression during Callus Differentiation of <i>Eucalyptus wrophylla</i> Induced by PBU | Huang Boyu , Fang Han , Chen Xuan , Huang Zhenchi(47) |
| Forest Volume Estimation Using KNN Model with Local Sample Optimal K Value | Gong Huijun , Chen Ju , Xiong Weihua , Wang Hao(52) |
| Vertical Structure of <i>Populus euphratica</i> Forest Community with UAV Visible Light Data | Zhang Wenqi , Li Dan , Shi Qingdong , Guo Yuchuan(57) |
| Prediction on Moisture Content of Surface Dead Fuels in Five Typical Artificial Forests in Harbin Urban Forestry Demonstration Base | Li Baozhong , Liu Xinyuan , Yu Cong , Han Yu , Ni Baoxin , Li Yan , Xu Yanjing , Yang Guang(65) |
| Effects of Short-term Warming on Soil Respiration of <i>Pinus tabulaeformis</i> Plantation in Daqingshan Mountains | Hao Chenyang , Ma Xiuzhi , Li Changsheng , Zhao Yiyong , Wu Yulong , Liang Yan , Wei Kuan(72) |
| Effects of Hydrothermal Conditions and Slope Aspect on Soil Respiration of Mongolian Oak Forests in Changbai Mountains | Sun Zhonglin , Hua Mingyang , Yin Zhibo , Li Yan , Feng Ying , Jiang Yuntian(78) |
| Integrated Control of <i>Hylurgops interstitialis</i> in Maoer Mountain | Ding Kai , Xie Dan , Yu Xinhe , Zhang Hanwen , Niu Fang , Yu Zhongliang(84) |
| Pathogenicity of Aseptic <i>Bursaphelenchus xylophilus</i> on <i>Larix principis-rupprechtii</i> , <i>Pinus tabulaiformis</i> and <i>Pinus massoniana</i> | Fang Tianyu , Liu Houyan , Feng Yuan , Chen Youmei , Ye Jianren , Zhu Lihua(90) |
| Pathogen Identification of <i>Clivia miniata</i> Leaf Blight and Fungicides Susceptibility | Zhao Lina , Zhu Hongkun , Wu Xinhang , Zhang Shuang , Fan Wenzhong , Cui Juan(94) |
| Effect of Heat Treatment Temperature on Dimensional Stability of <i>Quercus acutissima</i> Wood | Liu Yuanchu , Liu Yingying , Wei Qingjian , Liang Bonan , Zhao Jingyao(99) |
| Effect of Tool Rake Angle and Cutting Depth on the Orthogonal Cutting Surface Quality of Wood Flour-polyethylene Composites | Zhang Feng , Wu Zhanwen , Guo Xiaolei , Qing Zhenhua , Chang Weijie(102) |
| Enhancing Properties of Natural Rubber by Surface Modification of Pulp from Silane Coupling Agent | Liu Guiyan , Chen Xuesong , Li Kai , Zhang Jingxuan , Xu Min(106) |
| Effect of Ecological and Social Input Structure of Natural Forest Protection Project on the Forest Resources in the Key State-owned Forest Areas | Ren Yue , Song Jinping , Cao Yukun(112) |
| Impact of Double Cycle on Competitiveness of Chinese Wood-based Panel Industry | Wan Zhifang , Zhang Rui , Wan Zhifang(115) |
| • Research note • | |
| New Records of Several Angiosperms in Heilongjiang Province | Dong Shang , Yan Zhiyuan , Mu Liqiang , Fang Zhu , Tong Bin , Cheng Xinyu , Wei Xiaoxue(119) |
| Description of A New Species and A New Country Record Species of the Genus <i>Euderus</i> (Hymenoptera: Eulophidae) from China | Deng Shuchen , Li Chengde(121) |