

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

第四十八卷
第五期

二〇二〇年五月

5

第48卷 Volume 48

2020

万方数据

目 次

罗田垂枝杉单木生长规律及其生物量测定 许业洲 吴楚 杜超群(1)

运用随机森林模型对北京市林分蓄积生长量的预测 卢婧 冯仲科(7)

不同元素组合肥对‘温 185’核桃品种品质的影响 宁万军 张强 黄闽敏 刘旭丽(12)

Cu、Zn 制剂处理对贴梗海棠容器苗生长的影响 龚睿 毕玉科 张杰 奉树成 张春英(16)

火干扰对兴安落叶松森林土壤微生物群落的影响 王楠 瓮岳太 杨光 邱雪颖 全先奎(21)

宁夏河东沙区人工林土壤水分时空变化及其与气象因子之间的关系 黄晓宇 韩永贵 韩磊(29)

高分六号遥感数据在有林地识别中的应用 梁志国 隋傲 于颖 赵戈榕 谢秋 刘代超(35)

气温变化对温带混交林生态系统 CO₂ 通量的影响 龚元 张银龙(40)

平欧杂种榛果实经济性状与综合评价 罗达 史彦江 宋锋惠 马合木提·阿不来提 宋子君 凌锦霞 左琛(45)

不同砍伐强度对花灌木重金属提取效率的影响 商侃侃 张国威 宋凝宁(50)

板栗座果及果实早期发育与内源激素质量分数的关系 李玲 苏淑钗 寇艳茹(55)

‘凤丹’牡丹花色变化过程中花瓣色素及相关基因表达 杨晨 李厚华 朱佳宾 韩美玲 申婷 孟佳欣(62)

双色茉莉叶片初代培养物的建立及愈伤组织诱导 马丽 郭学良 周胜楠 王颖 田维爽 闫世月(67)

病毒诱导的精氨酸琥珀酸合成酶基因沉默对
棉花氮代谢的影响 王慧飞 刘琳琳 甄军波 刘迪 欧阳艳飞 迟吉娜 冯雪 张一名 孙艳香 陈光(72)

内陆碱性蓝藻暴发水体浮游动物功能群及影响因子 李滢钰 安雪 张钰 马成学(79)

依据 COI 基因及形态特征鉴定蛀害红松和樟子松的梢斑螟 卢孟 解丹 宋效惠 迟德富(83)

毛果杨丝氨酸蛋白酶抑制剂基因 *PtrSPI* 的克隆及真核表达 杨帅 黄颖 王志英 刁桂萍(88)

α 和 β -萜烯胁迫下松材线虫转录组特征 刘振凯 崔晶 理永霞 邓勋 张星耀(93)

植物次生物质对美国白蛾食物利用的影响 刘晓霞 姜墩 孟昭军 严善春(99)

高通量测序法分析杨树灰斑病前后
叶围微生物多样性 邓世林 申东晨 潘理 刘思远 郑浩楠 沈嘉乙 董爱荣(104)

黄单胞杆菌胞外多糖对核桃生理代谢的影响 王丽 毛鑫 譙天敏 朱天辉 李姝江(107)

新型自攻螺钉加固措施对胶合木梁受弯性能的影响 左宏亮 刘翰然 鲁建鑫(112)

木材泡沫铝层叠结构材在瞬态加载时的动力学特性 李树森 李苗 张岩(117)

冷弯薄壁型钢-稻草板组合楼盖抗振性能 张秀华 赵梓霖 孟毅豪 张华鹏 马彦龙(122)

中国林下经济产业发展效率评价——以 31 个省(区)面板数据为依据 吴国春 郭思源 曹玉昆(129)

大小兴安岭国有林区产业转型绩效的驱动与障碍因素诊断 李朝洪 孙丹 王志伟(133)

运用实物期权法对林业碳汇项目的价值评估 丁华 程琴(139)

• 研究简报 •

中国纤翅夜蛾属(目夜蛾科:菌夜蛾亚科:纤翅夜蛾族)2 新记录种记述 吴俊 赵婷婷 韩辉林(144)

《东北林业大学学报》稿约 (148)

更正 (34)

Journal of Northeast Forestry University	
2020	Vol.48 No.5
CONTENTS	
Growth Rhythm and Biomass Research of <i>Cunninghamia lanceolata</i> var. Luotian at Individual Tree Level	Xu Yezhou, Wu Chu, Du Chaoqun(1)
Forecast of Stand Volume Growth in Beijing by Using Random Forest	Lu Jing, Feng Zhongke(7)
Effect of Different Element Fertilizer Combinations on the Quality of ‘wen185’ Walnut	Ning Wanjun, Zhang Qiang, Huang Minmin, Liu Xuli(12)
Effect of Cu and Zn Preparations on the Growth of Container Seedlings of <i>Chaenomeles speciose</i>	Gong Rui, Bi Yuke, Zhang Jie, Feng Shucheng, Zhang Chunying(16)
Effects of Fire Disturbance on Soil Microbial Community of <i>Larix gmelinii</i> Forest	Wang Nan, Weng Yuetai, Yang Guang, Di Xueying, Quan Xiankui(21)
Temporal and Spatial Variation of Soil Moisture in Artificial Forests in Hedong Sandy Area and Its Relationship with Meteorological Factors	Huang Xiaoyu, Han Yonggui, Han Lei(29)
Rapid Identification of Forestland with GF6 Data	Liang Zhiguo, Sui Ao, Yu Ying, Zhao Gerong, Xie Qiu, Liu Daichao(35)
Characteristics of CO ₂ Flux over A Temperate Mixed Forest Ecosystem and Its Response to Air Temperature	Gong Yuan, Zhang Yinlong(40)
Evaluation of Fruit Economic Traits of <i>Corylus heterophylla</i> × <i>C. avellane</i>	Luo Da, Shi Yanjiang, Song Fenghui, Mahmut Ablat, Song Zijun, Ling Jinxia, Zuo Chen(45)
Effects of Different Cutting Intensities on Phytoremediation of Heavy Metal for Flowering Shrubs	Shang Kankan, Zhang Guowei, Song Ningning(50)
Fruit-set and Early Fruit Development in Chestnut are Associated with Endogenous Hormones Contents	Li Ling, Su Shuchai, Kou Yanru(55)
Analysis of Petal Pigment and Related Gene Expression During Flower Color Change of <i>Paeonia ostii</i> ‘feng dan’	Yang Chen, Li Houhua, Zhu Jiabin, Han Meiling, Shen Ting, Meng Jiaxin(62)
Establishment of Primary Culture and Callus Induction of <i>Brunfelsia latifolia</i> Leaves	Ma Li, Guo Xueliang, Zhou Shengnan, Wang Ying, Tian Weishuang, Yan Shiyue(67)
Effects of Virus-induced Gene Silencing (VIGS) of Argininosuccinate Synthase Gene on Cotton Nitrogen Metabolism	Wang Huifei, Liu Linlin, Zhen Junbo, Liu Di, Ouyang Yanfei, Chi Jina, Feng Xue, Zhang Yiming, Sun Yanxiang, Chen Guang(72)
Functional Group and Influence Factors of Zooplankton in Cyanobacteria Outbreaks of Inland Alkaline Water	Li Yingyu, An Xue, Zhang Yu, Ma Chengxue(79)
Identification of <i>Dioryctria</i> species Boring <i>Pinus koraiensis</i> and <i>P. sylvestris</i> var. <i>mongolica</i> with <i>COI</i> Gene Sequences and Morphological Characteristics	Lu Meng, Xie Dan, Song Xiaohui, Chi Defu(83)
Cloning and Eukaryotic Expression of A <i>PtrSPI</i> Gene from <i>Populus trichocarpa</i>	Yang Shuai, Huang Ying, Wang Zhiying, Diao Guiping(88)
Transcriptome Characteristics of Pine Wood Nematode in Response to α-and β-pinene Stress	Liu Zhenkai, Cui Jing, Li Yongxia, Deng Xun, Zhang Xingyao(93)
Effects of Secondary Substances on Food Utilization by <i>Hyphantria cunea</i> Larvae	Liu Xiaoxia, Jiang Dun, Meng Zhaojun, Yan Shanchun(99)
Leaf Microbial Diversity before and after <i>Phyllosticta populea</i> Sacc by High-throughput Sequencing	Deng Shilin, Shen Dongchen, Pan Li, Liu Siyuan, Zheng Haonan, Shen Jiayi, Dong Airong(104)
Effect of Extracellular Polysaccharide from <i>Xanthomonas campestris</i> on Physiological Metabolism of <i>Juglans regia</i>	Wang Li, Mao Xing, Qiao Tiammin, Zhu Tianhui, Li Shuijiang(107)
Effect of New Self-tapping Screw Reinforcement Measures on Bending Performance of Glulam Beams	Zuo Hongliang, Liu Hanran, Lu Jianxin(112)
Dynamic Characteristics of Wood Foam Aluminum Aminated Structures under Transient Load	Li Shusen, Li Miao, Zhang Yan(117)
Anti Vibration Performance of Cold-formed Thin-walled Steel-strawboard Composite Floor	Zhang Xiuhua, Zhao Zilin, Meng Yihao, Zhang Huapeng, Ma Yanlong(122)
Under-forest Economy Industry Development Efficiency Evaluation Analysis in China——Taking Panel Data of 31 Provinces as Basis	Wu Guochun, Guo Siyuan, Cao Yukun(129)
Driving and Obstacle Factors for Industrial Transition Performance of State-owned Forest Areas in Daxing’an and Xiaoxing’an Mountains	Li Chaohong, Sun Dan, Wang Zhiwei(133)
Evaluating Forestry Carbon Sink Project with Real Option Method	Ding Hua, Cheng Qin(139)
• Research note •	
Two New Records Species of the Genus <i>Araeopteron</i> (Erebidae: Boletobiinae: Araeopteronini) from China	Wu Jun, Zhao Tingting, Han Huilin(144)
Notice to Contributors	(148)