

中南林业科技大学学报

Journal of Central South University of Forestry & Technology

第41卷	第4期
Volume 41	Number 4

- ◆ 中国精品科技期刊
- ◆ 中国高校百佳科技期刊
- ◆ 全国中文核心期刊
- ◆ 中国科技核心期刊
- ◆ RCCSE中国权威学术期刊
- ◆ 中国科学引文数据库(CSCD)核心库来源期刊
- ◆ 农林领域我国高质量科技期刊分级目录T2期刊
- ◆ 美国CA、日本JST等来源期刊

4

2021
中国·长沙

目次

林学

内蒙古大兴安岭北部原始林区森林火灾扑救公路网规划与评价 孙术发, 周康康,
谢明江, 宋井富, 张春野, 储江伟, 安立华, 于淼, 梅玉生, 孙龙 (1)

熵权 - 云模型法在环洞庭湖区林分空间结构评价中的应用
..... 李显良, 张贵, 李建军 (12)

干旱复水对 5 种马尾松菌根化苗木生理特性的影响 王艺, 涂桂英 (20)

施肥对柚木光合生理和叶绿素荧光特性的影响
..... 张青青, 周再知, 王西洋, 黄桂华, 梁坤南, 杨光, 刘高峰 (31)

养殖蚯蚓对黄泛沙质平原杨树人工林土壤及生长的影响
..... 赵杰, 樊莉丽, 吴明作, 樊巍 (39)

叶幕微环境与板栗枝叶生长及果实产量的关系 马雅莉, 郭素娟 (47)

杜仲雌雄花发育与内源激素含量动态变化的关系 庆军, 朱利利, 杜红岩 (58)

配比施肥对柚木无性系幼林生长的影响
..... 陈天宇, 黄桂华, 王西洋, 周再知, 杨光, 梁坤南 (66)

Na₂SO₄ 和 Na₂CO₃ 胁迫对苦楝幼苗渗透调节特性和离子分配的影响
..... 张远兰, 胡鑫, 郁万文, 国靖, 蔡金峰, 曹福亮, 汪贵斌 (76)

纳塔栎嫩枝扦插生根过程中的生理变化
..... 乔孝禄, 卜晓婷, 徐晓华, 徐志标, 李淑娴 (86)

生态学

不同分解等级的兴安落叶松倒木细菌多样性分析
..... 杨立宾, 崔福星, 黄庆阳, 朱道光, 徐飞 (93)

桉树不同采伐强度对新栽阔叶树种生态位及其生长量的影响

.....唐洪辉, 赵 庆, 陈星澄, 章 驰, 梁卫芳, 陈海英 (101)

水曲柳人工林与天然林土壤中不同形态钾素的含量与分布

.....杨振景, 李海瑜, 王树力 (111)

落叶松林下两种云杉幼苗根际土酚类物质含量变化

.....王玉娇, 董 慧, 张德鹏, 杨立学 (120)

生物学

常绿木质藤本植物黑老虎基因组 SSR 特征分析及引物开发

.....邹建文, 罗先权, 饶红欣, 李小飞, 颜立红, 何润华, 陈 灵 (130)

密叶红豆杉 SSR 位点分布特征及分子标记开发.....申响保, 朱妍洁, 徐刚标 (139)

大花序桉顶芽转录组 SSR 位点信息分析

.....蒋维昕, 梁馨元, 兰 俊, 王建忠, 白天道 (148)

松材线虫谷胱甘肽 S 转移酶 *Sigma1* 基因 (*BxGSTs1*) 克隆及表达分析

.....王步勇, 问荣荣, 李秀伟, 马 玲 (156)

林业工程

CFRP 增强胶合木梁刚度退化试验研究易 锦, 祝 彬, 贺国京, 周 煜 (165)

风景园林学

建水朱家花园与苏州拙政园比照及其地学视角解析

.....王润强, 陈 娟, 唐雪琼, 祝玉兰, 严兴佩 (173)

CONTENTS

Planning and evaluation of forest fire highway network in the northern primitive forest region of the Great Xing'an Range in Inner Mongolia	SUN Shufa, ZHOU Kangkang, XIE Mingjiang, SONG Jingfu, ZHANG Chunye, CHU Jiangwei, AN Lihua, YU Miao, MEI Yusheng, SUN Long (1)
Application of entropy weight cloud model method in evaluation of stand spatial structure around Dongting lake	LI Xianliang, ZHANG Gui, LI Jianjun (12)
Effects of drought and rewatering on physiological properties of five species of <i>Pinus massoniana</i> seedlings	WANG Yi, TU Guiying (20)
Effects of fertilization on photosynthetic and chlorophyll fluorescence characteristics of <i>Tectona grandis</i>	ZHANG Qingqing, ZHOU Zaizhi, WANG Xiyang, HUANG Guihua, LIANG Kunan, YANG Guang, LIU Gaofeng (31)
Effect of breeding earthworms on soil and poplar plantation on the sandy plain formed by the flooding of the Yellow River	ZHAO Jie, FAN Lili, WU Mingzuo, FAN Wei (39)
The relationship between leaf canopy micro environment, chestnut branch and leaf growth and fruit yield	MA Yali, GUO Sujuan (47)
Flower bud differentiation and dynamic changes of endogenous hormone in <i>Eucommia ulmoides</i>	QING Jun, ZHU Lili, DU Hongyan (58)
Effects of formulated fertilization on the growths of young plantation of teak (<i>Tectona grandis</i> L.f.) clone	CHEN Tianyu, HUANG Guihua, WANG Xiyang, ZHOU Zaizhi, YANG Guang, LIANG Kunan (66)
Effects of Na ₂ SO ₄ or Na ₂ CO ₃ on osmotic regulation characteristics and ion distribution in <i>Melia azedarach</i> seedlings	ZHANG Yuanlan, HU Xin, YU Wanwen, GUO Jing, CAI Jinfeng, CAO Fuliang, WANG Guibin (76)
Rooting characteristics of <i>Quercus nuttallii</i> softwood cuttings and its physiological changes	QIAO Xiaolu, BU Xiaoting, XU Xiaohua, XU Zhibiao, LI Shuxian (86)
Analysis on bacterial diversity and composition of <i>Larix gmelinii</i> fallen wood with different decomposition levels	YANG Libin, CUI Fuxing, HUANG Qingyang, ZHU Daoguang, XU Fei (93)
Impact of different cutting densities of <i>Eucalyptus</i> stands on ecological niche and growth of new planted broad-leaved tree species	TANG Honghui, ZHAO Qing, CHEN Xingcheng, ZHANG Chi, LIANG Weifang, CHEN Haiying (101)
Content and distribution of different potassium forms in soil of <i>Fraxinus mandshurica</i> plantation and natural forest	YANG Zhenjing, LI Haiyu, WANG Shuli (111)
Changes of phenol content of rhizosphere soil of two spruce seedlings under <i>Larix gmelinii</i> plantation	WANG Yujiao, DONG Hui, ZHANG Depeng, YANG Lixue (120)
Characters of genomic SSRs and development of 28 SSR markers for <i>Kadsura coccinea</i> , an evergreen woody vine	ZOU Jianwen, LUO Xianquan, RAO Hongxin, LI Xiaofei, YAN Lihong, HE Runhua, CHEN Ling (130)
Distribution characteristics of SSR loci and development of molecular markers in <i>Taxus fuana</i>	SHEN Xiangbao, ZHU Yanjie, XU Gangbiao (139)
Bioinformatic analysis of simple sequence repeat (ssr) loci in <i>Eucalyptus cloeziana</i> buds transcriptome	JIANG Weixin, LIANG Xinyuan, LAN Jun, WANG Jianzhong, BAI Tiandao (148)
Cloning and expression analysis of glutathione s-transferase gene <i>BxGSTs1</i> in <i>Bursaphelenchus xylophilus</i>	WANG Buyong, WEN Rongrong, LI Xiwei, MA Ling (156)
Experimental study on stiffness degradation of CFRP reinforced glulam beams	YI Jin, ZHU Bin, HE Guojing, ZHOU Yu (165)
The comparative study of Jianshui Zhu's family garden and Suzhou humble administrator's garden and analysis in the perspective of geography	WANG Runqiang, CHEN Juan, TANG Xueqiong, ZHU Yulan, YAN Xingpei (173)