

中国自然科学核心期刊
中国高校精品科技期刊

ISSN1000-2006
CODEN NLDXBZ

南京林业大学学报

JOURNAL OF NANJING FORESTRY UNIVERSITY

自然科学版

NATURAL SCIENCES EDITION

2012

4

第36卷 Vol.36



目 次

特稿

人工林生态系统生物多样性与生产力的关系 方升佐, 田野 (1)

研究论文

北方天然次生林主要阔叶树种树冠建模及应用 王小明, 卢 军, 李凤日 (7)

浙江省森林生态服务功能评估与分析 姚鸿文, 陶吉兴, 杜 群, 张国江, 李碧勇 (13)

基于多源数据的北京地区运河沿线综合环境影响评价研究 杨 静, 张金池, 庄家尧, 张增信 (18)

基于 AHP 和 FR 模型的城市绿地适宜性评价 鲜明睿, 侍 昊, 徐雁南, 王 琨 (23)

基于 TM 影像的水体信息提取方法研究 夏 双, 阮仁宗, 颜梅春 (29)

洪泽湖 7 条入湖河流的水质动态及其关联分析

..... 张少威, 刘茂松, 徐 驰, 马向东, 李爱民, 冯开宇, 何孔忠 (36)

不同种源青钱柳苗期光合特征及变异分析 杨瑞卿, 楚秀丽, 杨万霞, 尚旭岚, 方升佐, 车少辉 (41)

毛乌素沙地中国沙棘克隆生长对土壤水分含量的响应

..... 贺 斌, 赵粉侠, 李根前, 马先锋, 徐德兵, 李甜江 (46)

楸树叶片营养生物学及基因型间的遗传变异 贡慧玲, 王军辉, 马建伟, 张宋智, 李银梅, 李春兰 (51)

光照强度对两种彩叶玉簪生长及光合特性的影响 李金鹏, 赵和祥, 董 然, 冯 敏 (57)

马尾松种质资源生长及开花特性评价 苏顺德 (62)

檀香种子生活力快速测定法 刘小金, 徐太平, 杨曾奖, 张宁南 (67)

江苏绿茶中稀土元素的组成特征及分布模式 王 峰, 曹福亮 (71)

施锌对薄壳山核桃幼苗生长及体内锌分配的影响 朱海军, 刘广勤, 曹福亮, 臧 旭, 周蓓蓓, 生静雅 (75)

苏南丘陵区 4 种典型人工林土壤活性有机碳分布特征

..... 李 平, 王国兵, 郑阿宝, 沈玉娟, 赵琦齐, 王琳飞, 蒋如生, 李 莉, 阮宏华 (79)

黑曲霉外切葡聚糖酶基因密码子的优化及表达 李国庆, 范 松, 裴建军, 赵林果, 高树峰 (84)

复合滤池—人工湿地组合工艺对城市高污染水的处理 张孝中, 黄 新, 荆肇乾, 曹世玮 (89)

蛱蝶在桑树及土壤中的残留特性 沈 燕, 王冬兰, 刘贤进, 吴长付, 孙 星, 马尧瑶 (93)

杨木化机浆污泥/马尾松纤维复合板的制备及性能研究 连海兰, 曹云峰, 唐景全, 王 寅 (98)

三聚氰胺改性脲醛树脂的合成及其在阻燃胶合板中的应用 李改云, 吴玉章, 李伯涛, 秦特夫 (103)

重组竹抗压与抗拉力学性能的分析 张俊珍, 任海青, 钟 永, 赵荣军 (107)

单板条层积材力学性质预测研究专栏

单板热压后密度模型研究 宋明鑫, 王石建, 高 婧, 那 斌, 卢晓宁 (112)

单板条层积材密度梯度的研究 王石建, 那 斌, 高 婧, 卢晓宁 (115)

单板条层积材力学性能的预测模型 卢晓宁, 王石建, 宋明鑫, 那 斌, 王志强 (119)

单板条层积材力学模型的验证与分析 王石建, 宋明鑫, 那 斌, 高 婧, 王志强, 卢晓宁 (123)

综述述评

植物根尖分生组织干细胞调控模式 陈金慧, 王鹏凯, 张艳娟, 施季森 (127)

植物中的铵根及硝酸根转运蛋白研究进展 李 静, 张冰玉, 苏晓华, 沈应柏 (133)

樟疫霉 (*Phytophthora cinnamomi*) 的研究进展 韩长志 (140)

研究简报

牛膝菊对黄山乡土植物柔毛水杨梅的化感作用 汪小飞, 钱倩媛, 汪传友, 吴 磊, 王家欢 (145)

白鼬和黄鼬直针毛的扫描电镜分析 侯森林, 薛晓明, 宋庆双 (149)

重寄生菌赭红枝顶孢 (*Acremonium salmoneum*) 防治竹叶锈病的应用研究 叶利芹, 吴小芹 (153)

五鹿山自然保护区白皮松群落物种组成与群落结构 张首军, 何 斌 (157)

叶面喷施纳米 SiO₂ 对髯毛箬竹的生理调节效应 李 博, 陶功胜, 谢寅峰, 蔡贤雷 (161)

改性脲醛树脂胶原料配比和成本计算系统的开发 韩书广, 周兆兵, 崔举庆 (165)

简讯

南京林业大学致校友的一封信 (封二)

南京林业大学 60 周年校庆学术报告一览表 (封三)

简讯 2 则 (28) (74)

《南京林业大学学报 (自然科学版)》征稿简则 (168)

本期执编 郑琰琰 英文审校 尹佟明 王石发

[期刊基本参数] CN 32-1161/S * 1958 * b * A4 * 168 * zh * P * ¥20.00 * 1000 * 35 * 2012-07

Contents

The relationship between biodiversity and productivity in the artificial plantation ecosystem	FANG Shengzuo, TIAN Ye(1)
Crown profile simulation of major broad-leaf species of natural secondary forest in north of China	WANG Xiaoming, LU Jun, LI Fengri(7)
Evaluation and analysis of forest ecosystem services in Zhejiang province	YAO Hongwen,TAO Jixing,DU Qun,ZHANG Guojiang,JI Biyong(13)
Multi-resources data based environment assessment of the Jing-Hang Grand Canal in Beijing	YANG Jing,ZHANG Jinchi,ZHUANG Jiayao,ZHANG Zengxin(18)
Suitability assessment of urban green space based on AHP and FR model ...	XIAN Mingrui, SHI Hao, XU Yunnan, WANG Kun(23)
Study on information extraction method of water body based on TM imagery	XIA Shuang, RUAN Renzong, YAN Meichun(29)
The dynamics and spatial correlation of water quality of seven rivers of Hongze Lake in Sihong county	ZHANG Shaowei, LIU Maosong, XU Chi, MA Xiangdong, LI Airmin, FENG Kaiyu, HE Kongzhong(36)
Variation in photosynthetic characteristics of <i>Cyclocarya paliurus</i> seedlings from different provenances	YANG Ruiqing, CHU Xiuli, YANG Wanxia, SHANG Xulan, FANG Shengzuo, CHE Shaohui(41)
The response of clonal growth of <i>Hippophae rhamnoides</i> L. subsp <i>sinensis</i> to the availability of soil moisture in Mu Us sand land	HE Bin, ZHAO Fexia,LI Genqian, MA Xianfeng, XU Debing, LI Tianjiang(46)
Genetic variation and leaf nutritional biology of <i>Catalpa bungei</i>	YUN Huiling, WANG Junhui, MA Jianwei, ZHANG Songzhi, LI Yinmei, LI Chunlan(51)
The effect of different light intensity on the growth and photosynthesis characteristics of two kinds of colorful <i>Hosta</i>	LI Jinpeng, ZHAO Hexiang, DONG Ran, FENG Min(57)
An evaluation on the growth and fertility of <i>Pinus massoniana</i> germplasm	SU Shunde(62)
Study on methods for rapid determination of seed viability of <i>Santalum album</i>	LIU Xiaojin, XU Daping, YANG Zengjiang, ZHANG Ningnan(67)
Contents and distribution patterns of rare earth elements in green tea from Jiangsu province	WANG Feng,CAO Fuliang(71)
Effects of zinc application on seedling growth and zinc distribution in different organs of <i>Carya illinoensis</i> (Wangenh.) K. Koch	ZHU Haijun, LIU Guangqin, CAO Fuliang, ZANG Xu, ZHOU Beibei, SHENG Jingya(75)
The variations of soil labile organic carbon in four plantations in south of Jiangsu province	LI Ping, WANG Guobing, ZHENG Abao, SHEN Yujuan, ZHAO Qiqi, WANG Linfei, JIANG Rusheng, LI Li, RUAN Honghua(79)
Codon optimization of cellobiohydrolase gene of <i>Aspergillus niger</i> and its expression in <i>Pichia pastoris</i>	LI Guoqing, FAN Song, PEI Jianjun, ZHAO Linguo, GAO Shufeng(84)
Effects of the composite biofilter with artificial wetland on urban high polluted waste water	ZHANG Xiaozhong, HUANG Xin, JING Zhaoqian, CAO Shiwei(89)
Residue characteristics of propargite in mulberry (<i>Morus alba</i> L.) and soil	SHEN Yan, WANG Donglan, LIU Xianjin, WU Changfu, SUN Xing, MA Yaoyao(93)
Study on preparation and properties of fiberboard using APMP of poplar sludge and <i>Pinus massoniana</i> fiber composites	LIAN Hailan, CAO Yunfeng, TANG Jingquan, WANG Yin(98)
Synthesis of melamine modified urea formaldehyde resins and its application	LI Gaiyun, WU Yuzhang, LI Botao, QIN Tefu(103)
Analysis of compressive and tensile mechanical properties of recombinant bamboo	ZHANG Junzhen, REN Haiqing, ZHONG Yong, ZHAO Rongjun(107)
Research on the density model of the pressed veneer	SONG Mingxin, WANG Shijian, GAO Jing, NA Bin,LU Xiaoning(112)
Research on density gradient of parallel strand lumber	WANG Shijian,NA Bin,GAO Jing,LU Xiaoning(115)
Prediction model of mechanical properties of parallel strand lumber	LU Xiaoning, WANG Shijian, SONG Mingxin, NA Bin, WANG Zhiqiang(119)
Verification and analysis of parallel strand lumber mechanical model	WANG Shijian,SONG Mingxin,NA Bin,GAO Jing,WANG Zhiqiang,LU Xiaoning(123)
The regulatory pattern of stem cell in root apical meristem	CHEN Jinhui, WANG Pengkai, ZHANG Yanjuan, SHI Jisen(127)
Research progress of ammonium and nitrate transporters in plants ...	LI Jing, ZHANG Bingyu, SU Xiaohua, SHEN Yinghai(133)
Research progress on <i>Phytophthora cinnamomi</i>	HAN Changzhi(140)
Allelopathy of invasive plant of <i>Galinsoga parviflora</i> on the seeds of <i>Geum japonicum</i> var. <i>chinense</i> from Huangshan	WANG Xiaofei,QIAN Qianyuan, WANG Chuanyou, WU Lei, WANG Jiahuan(145)
A morphological analysis of guard hairs of <i>Mustela erminea</i> and <i>M. sibirica</i> by scanning electron microscope	HOU Senlin, XUE Xiaoming, SONG Qingshuang(149)
Prevention of bamboo leaf rust by <i>Acremonium salmoneum</i>	YE Liqin, WU Xiaoqin(153)
The species composition and structural characteristics of <i>Pinus bungeana</i> community of Wulu Mountain nature reserve	ZHANG Shoujun, HE Bin(157)
Physiological effects under the condition of spraying nano-SiO ₂ onto the <i>Indocalamus barbatus</i> McClure leaves	LI Bo,TAO Gongsheng, XIE Yinfeng, CAI Xianlei(161)
System development of raw material ratio and cost of modified urea formaldehyde resin	HAN Shuguang, ZHOU Zhaoqing, CUI Juqing(165)