

中南林业科技大学学报

Journal of Central South University of Forestry & Technology

第32卷 | 第6期
Volume 32 | Number 6

- ◆ 全国中文核心期刊
- ◆ 全国优秀高校学报
- ◆ 教育部优秀科技期刊
- ◆ 中国科技核心期刊
- ◆ RCCSE中国学术核心期刊
- ◆ 中国科学引文数据库(CSCD)来源期刊
- ◆ 中国科技论文与引文数据库(CSTPCD)来源期刊
- ◆ 美国CA、日本JST等来源期刊

6

2012
中国·长沙

目次

林学

- 林火行为预测和森林火险预报中气象场的插值方法 金森, 王晓红, 于宏洲(1)
- 石羊河下游干旱荒漠区退化植被修复重建方式的研究 李进军, 高承兵(8)
- 河北平泉地区油松人工林生长过程的研究 王伟, 马履一, 贾忠奎, 等(13)
- 基于 NDVI 像元二分模型的矿区植被覆盖动态监测 黎良财, 邓利, 曹颖, 等(18)
- 24 个桉树品系遭受桉树枝瘿姬小蜂危害后防御酶活性变化 王伟, 徐建民, 李光友, 等(24)
- 清洁发展机制下造林再造林项目额外性论证评价 莫祝平, 童德文(29)
- 老鼠筋对无瓣海桑化感作用的研究 朱宏伟, 郑松发, 彭辉武, 等(34)
- 长株潭城市群土地集约利用相对效率评价的数据包络分析 杨晶洪, 吴立潮, 李春华, 等(37)
- 两种半红树植物幼苗的耐盐性研究 刘秀, 郝海坤, 庞世龙, 等(43)
- 基于 GIS 的森林资源数据库系统的设计 褚龙现, 张琳(48)
- 基于蚁群算法的森林有害生物决策与预测研究 魏先民(55)
- 农杆菌介导转化巨桉 Eg5 影响因素的研究 郭利军, 曾炳山, 刘英, 等(61)
- 上阔下竹混交林对土壤物理性质的影响 徐爱珍, 杨宽, 王福升, 等(67)

生态学

- 漓江上游降水特征及典型森林群落地表径流规律的研究 王金叶, 李海防, 段文军, 等(72)
- 基于两型社会构建的城市森林评价指标体系——以长沙市为例 肖英, 刘思华(78)
- 基于 PSR 模型的长株潭地区森林生态安全动态评价 毛旭鹏, 陈彩虹, 郭霞, 等(82)
- 退化喀斯特森林近自然度评价指标体系的构建 蔡品迪, 喻理飞, 付邦奎, 等(87)
- 区域生态足迹动态变化及其预测研究 郭霞, 余济云, 沈金明, 等(92)
- 广东岩溶地区石漠化动态变化与原因分析 周命义(97)
- 基于 PCA 与 SPOT-5 的森林碳储量估测 涂云燕, 彭道黎(101)
- 基于 TRIPLEX 模型的湖南省杉木林生产力模拟及预测 王灿, 项文化, 赵梅芳, 等(104)

生物技术

- 蛇皮果基因组 DNA 提取及其 RAPD 条件优化 李建光, 李荣生, 李发根, 等(110)
- 植物抗旱基因 HDCS1 的克隆和表达载体的构建 张莉, 苏曼琳(115)
- 一株产纤维素酶真菌的筛选及产酶条件优化 陆晨, 陈介南, 王义强, 等(118)
- 红锥优良家系 ISSR 遗传多样性分析 杨峰, 李志辉, 蒋焱, 等(123)

云南罗芙木异胡豆苷合成酶基因的克隆与分析……………许若娴,曹福祥,彭继庆,等(128)

植物学

湖南报春苣苔的分布……………喻勋林,肖 准,张贵志,等(132)

湖南苦苣苔科一新纪录属……………张贵志, 喻勋林(135)

基于虚拟植物的冠层内生菌空间分布可视化……………李界光,唐丽玉,陈崇成(138)

木材科学

高温热处理对人工林杨木物理力学性能和尺寸稳定性的影响

……………陈泽君,王 勇,马 芳,等(142)

马占相思木材蠕变特性的研究……………刁海林, 罗建举(146)

干燥处理杉木木材的干缩湿胀性质……………蒋佳荔, 吕建雄(152)

大花序桉木材基本密度的变异研究……………李昌荣,项东云,陈健波,等(158)

人工林红锥树皮率及树皮纤维尺寸的研究……………陈桂丹,唐贤明,覃引鸾,等(163)

不同热压条件下的中温酚醛树脂竹胶合板力学性能比较……………刘凯能,韩 健(168)

国内外竹材防腐的研究进展……………李 能,陈玉和,包永洁,等(172)

DMA 在木质复合材料研究中的应用及展望……………陈广辉,武 轲,杨亚峰,等(177)

林产化工

精制竹醋液指标间关系及产品质量判别分析……………王汉坤, 余 雁,江泽慧,等(180)

杉木炭磺酸的制备及其催化性能研究……………袁利萍,胡云楚,徐 琼,等(184)

动物学

泉州市鸟类多样性海拔梯度格局的研究……………何中声,刘金福,洪 伟,等(188)

食品科学

魔芋粉丝的研制及感官评价……………彭湘莲,付红军,冯 伟(192)

年轻学人

金森教授……………(封二)

简 讯

《中南林业科技大学学报》稿源范围调整启事……………(封三)

CONTENTS

A review on weather data interpolation methods used in forest fire danger forecast and behavior modelling JIN Sen, WANG Xiao-hong, YU Hong-zhou(1)

Study on degenerating desert vegetations and their reparation and reconstruction modes of arid desert area in downstream of Shiyang River LI Jin-jun, GAO Cheng-bing (8)

A study of growing process of *Pinus tabulae* formis plantation in Pingquan, Hebei WANG Wei, MA Lu-yi, JIA Zhong-kui, et al. (13)

Vegetation dynamic monitoring in mining area based on NDVI serial images and dimidiate pixel model LI Liang-cai, DENG Li, CAO Ying, et al. (18)

Defense enzyme activity of 24 *Eucalyptus* varieties jeopardized by *Leptocybe invasa* Fisher & La Salle WANG Wei, XU Jian-min, LI Guang-you, et al. (24)

Assessment and demonstration of additionality under the clean development mechanism afforestation/reforestation project: A case study of degraded land in northwest Guangxi MO Zhu-ping, TONG De-wen(29)

Allelopathic effects of *Acanthus ilicifolius* aqueous extracts on *Sonneratia apetala* ZHU Hong-wei, ZHENG Song-fa, PENG Hui-wu, et al. (34)

Data envelopment analysis of relative efficiency land intensive use for Changsha-Zhuzhou-Xiangtan urban agglomeration YANG Jing-qi, WU Li-chao, LI Chun-hua, et al. (37)

A study on salt tolerance of seedlings of two kinds of semi-mangrove species LIU Xiu, HAO Hai-kun, PANG Shi-long, et al. (43)

Design of forest resources data system based on GIS database CHU Long-xian, ZHANG Lin (48)

Forest pest decision-making based on ant colony algorithm and prediction WEI Xian-min(55)

Study on the factors influencing *Agrobacterium tumefaciens* mediated transformation of *Eucalyptus grandis* clone Eg5 GUO Li-jun, ZENG Bing-shan, LIU Ying, et al. (61)

Effects of *Phyllostachys edulis* and broad-leaved mixed forest on soil physical properties XU Ai-zhen, YANG Kuan, WANG Fu-sheng, et al. (67)

Characteristics of precipitation and its effects on surface runoff in typical forest community in upper reaches of Lijiang River WANG Jin-ye, LI Hai-fang, DUAN Wen-jun, et al. (72)

Evaluation index system for urban forests based on two-type society construction: a sample of Changsha city XIAO Ying, LIU Si-hua (78)

A dynamic assessment of forest ecological security in Changsha-Zhuzhou-Xiantan area based on PSR model MAO Xu-peng, CHEN Cai-hong, GUO Xia, et al. (82)

Construction of near-nature evaluation index system for degraded Karst forests: A case study of Xiuwen demonstration site in Guizhou CAI Pin-di, YU Li-fei, FU Bang-kui, et al. (87)

Study of dynamics change and prediction of region ecological footprint: a case of Nandu River Basin in Hainan province GUO Xia, SHE Ji-yun, SHEN Jin-ming, et al.(92)

Dynamic changes and cause analysis of rocky desertification in karst areas of Guangdong Province ZHOU Ming-yi (97)

Forest carbon storage estimation based on PCA and SPOT-5 TU Yun-yan, PENG Dao-li(101)

Simulation and prediction of biomass spatial distribution of *Cunninghamia lanceolata* forests in Hunan, China based on TRIPLEX model WANG Can, XIANG Wen-hua, ZHAO Mei-fang, et al.(104)

DNA extraction and RAPD Condition optimization for *Salacca edulis* Reinw LI Jian-guang, LI Rong-sheng, LI Fa-gen, et al.(110)

Cloning of plant drought-tolerant gene HDCS1 and construction of its expression vector ZHANG Li, SU Man-lin(115)

Screening and identification of a cellulase-producing fungus and optimization of its fermentation condition LU Chen, CHEN Jie-nan, WANG Yi-qiang, et al. (118)

Genetic diversity of *Castanopsis hystrix* superior genealogy by ISSR marker YANG Feng, LI Zhi-hui, JIANG Yi, et al. (123)

Cloning and analysis of strigosin synthase in *Rauvolfia yunnanensis* XU Ruo-xian, CAO Fu-xiang, PENG Ji-qing, et al. (128)

Geographical distribution of *Primulia tabacum* in Hunan province YU Xun-lin, XIAO Zhun, ZHANG Gui-zhi, et al. (132)

Chiritopsis W.T.WANG: a newly recorded genus of Gesneriaceae from Hunan province ZHANG Gui-zhi, YU Xun-lin(135)

Visualization of canopy endophytes space distribution based on virtual plant LI Jie-guang, TANG Li-yu, CHEN Chong-cheng(138)

Effects of heat treatment on physical and mechanical properties and dimensional stability of plantation poplar CHEN Ze-jun, WANG Yong, MA Fang, et al. (142)

A study of creep properties of *Acacia mangium* Willd DIAO Hai-lin, LUO Jian-ju (146)

Shrinkage-swelling properties of dried Chinese fir woods JIANG Jia-li, LU Jian-xiong (152)

Study on wood basic density variation of *Eucalyptus cloziana* LI Chang-rong, XIANG Dong-yun, CHEN Jian-bo, et al.(158)

Study on tree bark rate and bark fiber morphological size of *Castanopsis hystrix* plantation CHEN Gui-dan, TANG Xian-ming, QIN Yin-luan, et al. (163)

Mechanical properties of intermediate temperature phenolic resin bamboo plywood under different hot-pressing conditions LIU Kai-neng, HAN Jian (168)

Research progress of bamboo preservation at home and abroad LI Neng, CHEN Yu-he, BAO Yong-jie, et al.(172)

Application and development of dynamic mechanical analysis in wood composites researches CHEN Guang-hui, WU Ke, YANG Ya-feng, et al.(177)

The relationship among different performance indicators of refined bamboo vinegar and the discriminant analysis of product quality WANG Han-kun, YU Yan, JIANG Ze-hui, et al. (180)

Preparation and catalytic function of Chinese fir char sulfonic acid YUAN Li-ping, HU Yun-chu, XU Qiong, et al. (184)

Study on altitudinal patterns of avian diversity in Quanzhou city HE Zhong-sheng, LIU Jin-fu, HONG Wei, et al.(188)

Process optimization and sensory evaluation of konjac filament PENG Xiang-lian, FU Hong-jun, FENG Wei (192)