

中国自然科学核心期刊
中国高校优秀科技期刊

ISSN 1000-2006
CODEN NLDBXBZ

南京林业大学学报

自然 科 学 版

JOURNAL OF NANJING FORESTRY UNIVERSITY
NATURAL SCIENCES EDITION

2013

1

第 37 卷 Vol.37



目 次

特稿

生物质气化技术的再认识 张齐生, 马中青, 周建斌(1)

研究论文

基于 MODIS 反演的 2000—2011 年江西省植被叶面积指数时空变化特征

..... 吴国训, 阮宏华, 李显风, 居为民, 耿君(11)

城市带状绿地结构类型对空气质量的影响 朱春阳, 纪鹏, 李树华(18)

基于景观格局的常州市生态承载力动态分析 鲜明睿, 侍昊, 徐雁南, 张洋洋(25)

浑河上游 4 种典型林分类型枯落物持水特征 顾宇书, 邢兆凯, 韩友志, 刘洪民, 高英旭(31)

云台山野生草本植物资源的园林开发利用评价 张佳平(37)

持续供氮对长白落叶松播种苗生长及抗寒性的影响 祝燕, 李国雷, 李庆梅, 刘勇, 邹尚庆, 蒋乐(44)

不同种源苦楝种子生物学特性差异 王家源, 郭杰, 喻方圆(49)

中碱钠盐胁迫对桑树幼苗生长及光合特性的影响 张会慧, 张秀丽, 胡彦波, 许楠, 李鑫, 孙广玉(55)

ISSR 在油茶品种鉴别和遗传多样性分析中的应用 于小玉, 喻方圆, 刘建兵, 陈军勇(61)

麝香百合及东方百合品种核型分析 房磊, 姜珊, 席梦利, 施季森, 傅伟, 杨斌(67)

3 种天牛科昆虫摩擦发音器的超微结构及摩擦发音机制分析 李玲, 迟德富, 李燕, 尹艳豹, 张振(71)

不同菌株绿僵菌对粒肩天牛幼虫的致病力及林间防治效果 陈德兰(78)

光肩星天牛产卵分泌物的化学成分分析 马晓乾, 赵红盈, 周琦, 邓勋, 宋小双, 遇文婧, 范海娟(83)

翠柏木材管胞特性及结晶度的径向变异分析 廖声熙, 杨振寅, 崔凯, 孙庆丰, 石江涛, 刘方炎(87)

木质素/黏土复合材料对尿素分子的缓释作用 李文卓, 王健龙, 高铭鲜(91)

α -蒎烯高选择性环氧化合成 2,3-环氧蒎烷的研究 徐徐, 刘兵, 唐年华, 王石发(96)

培养基组成对里氏木霉合成 β -甘露聚糖酶的影响 王静, 李鑫, 朱均均, 余世袁, 勇强(101)

巴旦杏壳天然黄色素提取及其稳定性研究 王凤洁, 沈国良, 李良, 马少君, 程贵刚, 邹明旭(105)

TEMPO 修饰酶解淀粉的制备及其表面施胶 张玉娟, 毛圣陶, 王晶晶, 戴红旗(111)

土体单向冻结对土中水分迁移的影响 张婷, 杨平(117)

条件价值评估法在森林生态旅游非使用价值评估中范围效应的研究 阮氏春香, 温作民(122)

城镇绿地及特殊生境生态修复关键技术研究专栏

杨麦间作系统土壤氨挥发特点分析 程小娜, 薛建辉, 吴永波(127)

NaCl 和 Na₂SO₄ 胁迫下沼泽小叶桦的生理响应 王斌(132)

盐胁迫对两种忍冬属植物活性氧平衡的影响 程淑娟, 唐东芹, 刘群录(137)

上海市垃圾填埋场植被特征分析 郑思俊, 王肖刚, 张庆费, 徐敏(142)

上海市垃圾填埋场土壤特性研究 梁晶, 王肖刚, 张庆费, 方海兰, 郑思俊, 郝冠军(147)

综合述评

森林环境价值 CVM 评估有效性改进的研究进展 蔡志坚, 杜丽永, 杨加猛(153)

研究简报

雪松对降雨截留容量的试验研究 高雁, 宋丹丹, 程银才, 范世香(160)

3 种中山杉种植模式对上海沿海土壤肥力的影响 许晓伟, 万福绪, 杨东, 朱春玲, 谢宇(163)

区域大气可降水量变化的地基 GPS 探测研究 王亮, 郑加柱, 魏浩翰(168)

三聚氰胺脲醛树脂胶黏剂的合成 朱海龙, 吴玉章, 孙伟圣(173)

简讯

江苏省家具家饰产品设计工程技术研究中心简介 (封二)

江苏省工业设计中心简介 (封三)

简讯 3 则 (17)(86)(126)

本期执编 郑琰焱 英文审校 王石发 喻方圆

[期刊基本参数] CN 32-1161/S * 1958 * b * A4 * 176 * zh * P * ¥20.00 * 1000 * 32 * 2013-01

Contents

- History, challenge and solution of biomass gasification: a review ZHANG Qisheng, MA Zhongqing, ZHOU Jianbin(1)
- Spatial-temporal variations of leaf area index(LAI) in Jiangxi province during 2000—2011 based on MODIS data WU Guoxun, RUAN Honghua, LI Xianfeng, JU Weimin, GENG Jun(11)
- Effects of the different structure of urban green belts on the air quality ZHU Chunyang, JI Peng, LI Shuhua(18)
- Dynamics analysis of the ecological capacity based on landscape pattern in Changzhou city XIAN Mingrui, SHI Hao, XU Yannan, ZHANG Yangyang(25)
- Water-holding characteristics of four typical forests litter in upstream of Hunhe river GU Yushu, XING Zhaokai, HAN Youzhi, LIU Hongmin, GAO Yingxu(31)
- Comprehensive evaluation of landscape exploitation and application of wild herbaceous plant resources of Yuntai mountain ZHANG Jiaping(37)
- Influence of continually supplementing nitrogen on the quality of *Larix olgensis* seedlings ZHU Yan, LI Guolei, LI Qingmei, LIU Yong, ZOU Shangqing, JIANG Le(44)
- The differences of seed biological characters in *Melia azedarach* L. from different provenances WANG Jiayuan, GUO Jie, YU Fangyuan(49)
- Effects of NaCl and Na₂CO₃ stresses on growth and photosynthetic characteristics characteristics of mulberry seedlings ZHANG Huihui, ZHANG Xiuli, HU Yanbo, XU Nan, LI Xin, SUN Guangyu(55)
- Identification and genetic diversity analysis of *Camellia oleifera* varieties using ISSR marker YU Xiaoyu, YU Fangyuan, LIU Jianbing, CHEN Junyong(61)
- The karyotype analysis of longiflorum lily and oriental lily FANG Lei, JIANG Shan, XI Mengli, SHI Jisen, FU Wei, YANG Bin (67)
- Stridulatory organs ultrastructure of three longhorned beetles and their stridulation mechanism LI Ling, CHI Defu, LI Yan, YIN Yanbao, ZHANG Zhen(71)
- Control efficiency and pathogenicity in different strains of *Metarhizium anisopliae* on *Apriona germari* Hope larvae CHEN Delan(78)
- Composition analysis of the oviposition secretion of *Anoplophora glabripennis* MA Xiaoqian, ZHAO Hongying, ZHOU Qi, DENG Xun, SONG Xiaoshuang, YU Wenjing, FAN Haijuan(83)
- Radical variation of wood tracheid character and crystallinity of precious *Calocedrus macrolepis* LIAO Shengxi, YANG Zhenyin, CUI Kai, SUN Qingfeng, SHI Jiangtao, LIU Fangyan(87)
- Slow releasing properties for urea molecules of composite materials made of lignin and clay LI Wenzhuo, WANG Jianlong, GAO Mingxian(91)
- Synthesis of 2,3 – epoxypinane by epoxidation of α – pinene with high selectivity XU Xu, LIU Bing, TANG Nianhua, WANG Shifa(96)
- Effects of medium components on β – mannanase production by *Trichoderma reesei* WANG Jing, LI Xin, ZHU Junjun, YU Shiyuan, YONG Qiang(101)
- Extraction and stability of natural yellow pigment from almond shell WANG Fengjie, SHEN Guoliang, LI Liang, MA Shaojun, CHENG Guigang, ZOU Mingxu(105)
- Preparation of enzymatic starch modified by TEMPO oxidation and its application on surface sizing ZHANG Yujuan, MAO Shengtao, WANG Jingjing, DAI Hongqi(111)
- Effects of unilateralist freezing on the moisture migration of soil ZHANG Ting, YANG Ping(117)
- Scope effects of contingent valuation method used for valuing forest ecotourism non-use values Nguyen Thi Xuanhung, WEN Zuomin(122)
- Characteristics of soil ammonia volatilization in interplanting system of poplar and wheat CHENG Xiaona, XUE Jianhui, WU Yongbo(127)
- Effects of NaCl and Na₂SO₄ stress on physiological characteristics in *Betula microphylla* WANG Bin(132)
- Reactive oxygen species homeostasis of two *Lonicera* species under salt stress CHENG Shujuan, TANG Dongqin, LIU Qunlu(137)
- A study on vegetation characteristics of solid waste landfills in Shanghai ZHENG Sijun, WANG Xiaogang, ZHANG Qingfei, XU Min(142)
- A study on soil characteristics of municipal rubbish landfill in Shanghai LIANG Jing, WANG Xiaogang, ZHANG Qingfei, FANG Hailan, ZHENG Sijun, HAO Guanjun(147)
- Preparation forest environmental services valuation based on improved contingent valuation method CAI Zhijian, DU Liyong, YANG Jiameng(153)
- Experimental study of interception rainfall capacity for the deodar cedar canopy GAO Yan, SONG Dandan, CHENG Yincai, FAN Shixiang(160)
- Effects of three planting patterns of *Ascendens mucronatum* on soil fertility in Shanghai costal areas XU Xiaowei, WAN Fuxu, YANG Dong, ZHU Chunling, XIE Yu(163)
- Detection of PWV change in winter by ground-based GPS WANG Liang, ZHENG Jiazhu, WEI Haohan(168)
- Synthesis of melamine-urea-formaldehyde resin adhesive ZHU Hailong, WU Yuzhang, SUN Weisheng(173)