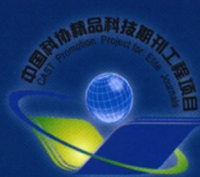
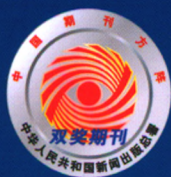


ISSN 1001-7488
CN11-1908/S



SCIENTIA SILVAE
SINICAE

林业科学

2012. 11
第48卷 Vol. 48

中国林学会主办 《林业科学》编辑部出版

林业科学 第48卷 第11期

(2012年11月)

目次

- 树种多样性计算方法的比较 赵中华,惠刚盈,胡艳波,等(1)
- 基于非空间结构的浙江省毛竹林固碳潜力 刘恩斌,施拥军,李永夫,等(9)
- 三峡水库岸坡系统不同用地类型对土壤酶活性和土壤化学性质的影响 ... 雷明,李昌晓,陈伟,等(15)
- 不同光环境下6种常绿阔叶林树种苗期的叶片功能性状 王玉平,陶建平,刘晋仙,等(23)
- 干旱对不同种源喜树苗木生长及叶片喜树碱产量的影响 应叶青,刘鹏,王兴华,等(30)
- 机械刺激触发沙冬青细胞产生依赖 Ca^{2+} 的 H^+ 内流 高海波,沈应柏,黄秦军(36)
- 利用基因芯片筛选影响茎分化的相关基因 蒋瑶,戚晓利,唐芳,等(42)
- 白花树天然群体的遗传多样性 李楠,柳新红,李因刚,等(49)
- 杨树人工林林木个体大小比数与溃疡病发生程度的关系 王静,梁军,焦一杰,等(57)
- 樟子松指接材抗弯强度有限元模拟分析 何盛,林兰英,傅峰,等(63)
- 填充型和液化改性型木质素基聚氨酯泡沫的性能比较 李燕,韩雁明,秦特夫,等(69)
- 竹材受不同败坏真菌危害的宏观和微观变化 马星霞,蒋明亮,覃道春(76)
- 复配碱液处理榆木顺纹压缩应力-应变本构关系 张燕,宋魁彦,佟达(83)
- 毛竹导热系数非线性拟合的 PSO-BP 模型 吴舒辞,刘帅,李建军,等(87)
- 蒸汽爆破预处理对红柳木质组分及酶解性能的影响 徐红,徐勇,勇强,等(92)

问题讨论

- 树叶组成的热解反应及热稳定性的理论解析 王寅,王海晖,朱凤,等(98)

研究简报

- 神农架巴山冷杉林土壤碳储量特征 崔鸿侠,肖文发,潘磊,等(107)
- 碳汇经营目标下的林地期望价值变化及碳供给——基于杉木裸地造林假设研究 朱臻,沈月琴,张耀启,等(112)
- 大兴安岭低质林改造后土壤肥力综合评价 纪浩,董希斌(117)
- 毛竹花器官的形态与结构 孙立方,郭起荣,王青,等(124)
- 利用生物反应器接触培养法增殖笃斯越橘丛生苗 李铁军,朴炫春,廉家盛,等(130)
- 黄羊滩人工固沙林防护期分析与评价 邢存旺,黄选瑞,李玉灵,等(134)
- 松材线虫自然侵染对黑松、马尾松针叶含水量、色素及抗氧化酶活性的影响 徐华潮,骆有庆,张琴(140)
- 杂交竹梢枯病菌毒素蛋白纯化及致病力 李姝江,朱天辉(144)

植物新品种与良种

- 楸材良种‘宛楸 8402’ 麻文俊,王军辉,张守攻,等(150)

(本期值班编辑 徐红 统编统校 张君颖)

CONTENTS

Comparison of tree species diversity calculated Zhao Zhonghua, Hui Gangying, Hu Yanbo, *et al.* (1)

Carbon sequestration potential of the Moso bamboo forest in Zhejiang Province based on the non-spatial structure
..... Liu Enbin, Shi Yongjun, Li Yongfu, *et al.* (9)

Effects of different land use patterns on soil enzymes activities and chemical properties on riverbank slopes of the
Three Gorges Reservoir Lei Ming, Li Changxiao, Chen Wei, *et al.* (15)

Response of leaf functional traits to different light regimes in an evergreen broad-leaved forest in the Jinyun Mountain
..... Wang Yuping, Tao Jianping, Liu Jinxian, *et al.* (23)

Effect of drought stress on the seedling growth from different provenances and camptothecin yield in leaves of
Camptotheca acuminata Ying Yeqing, Liu Peng, Wang Xinghua, *et al.* (30)

Influx of Ca^{2+} -dependent H^+ to suspended cells of *Ammopiptanthus mongolicus* triggered by mechanical stimulation
..... Gao Haibo, Shen Yingbai, Huang Qinjun (36)

Application of genechip in screening the stem differentiation-related genes
..... Jiang Yao, Qi Xiaoli, Tang Fang, *et al.* (42)

Genetic diversity in natural populations of *Styrax tonkinensis* Li Nan, Liu Xinhong, Li Yingang, *et al.* (49)

Relationships between neighborhood comparison of short-rotation poplar plantations and canker disease incidence
..... Wang Jing, Liang Jun, Jiao Yijie, *et al.* (57)

Finite element analysis of bending strength for *Pinus sylvestris* var. *mongolica* finger-jointed lumber
..... He Sheng, Lin Lanying, Fu Feng, *et al.* (63)

Comparison of properties of lignin-based polyurethane foams prepared by blending and liquefaction modification
methods Li Yan, Han Yanming, Qin Tefu, *et al.* (69)

Macro- and micro-structural changes in bamboo after attack by various fungi
..... Ma Xingxia, Jiang Mingliang, Qin Daochun (76)

Stress-strain constitutive relations of longitudinal compressed elm wood with compound alkali liquor processing ...
..... Zhang Yan, Song Kuiyan, Tong Da (83)

A PSO-BP model for nonlinear fitting of *Phyllostachys edulis*' thermal conductivity
..... Wu Shuci, Liu Shuai, Li Jianjun, *et al.* (87)

Woody components and enzymatic hydrolysis property of *Tamarix ramosissima* under various intensity of steam
explosion Xu Hong, Xu Yong, Yong Qiang, *et al.* (92)

Discussion

Theoretical analysis on thermal pyrolysis of major compositions in tree leaves
..... Wang Yin, Wang Haihui, Zhu Feng, *et al.* (98)

Scientific notes

Characteristics of soil carbon storage of *Abies fargesii* forests in Shennongjia
..... Cui Hongxia, Xiao Wenfa, Pan Lei, *et al.* (107)

Change of forestland expected value and carbon supply in the objective of carbon sequestration: Based on the Chinese
Fir plantation in bared land Zhu Zhen, Shen Yueqin, Zhang Yaoqi, *et al.* (112)

Comprehensive evaluation of soil fertility after transformation of the low-quality forest in the Daxing'anling Mountains
..... Ji Hao, Dong Xibin (117)

Flower organs morphology and structure of *Phyllostachys edulis* ... Sun Lifang, Guo Qirong, Wang Qing, *et al.* (124)

Proliferation of adventitious shoots of *Vaccinium uliginosum* using raft bioreactors
..... Li Tiejun, Piao Xuanchun, Lian Jiasheng, *et al.* (130)

Analysis and assessment on protection period of sand-fixation plantations in Huangyangtan
..... Xing Cunwang, Huang Xuanrui, Li Yuling, *et al.* (134)

Changes in water content, pigments and antioxidant enzyme activities in pine needles of *Pinus thunbergii* and
Pinus massoniana affected by pine wood nematode Xu Huachao, Luo Youqing, Zhang Qin (140)

Purification of the toxic protein from *Arthrinium phaeospermum* and its pathogenicity
..... Li Shujiang, Zhu Tianhui (144)

New elite varieties of plants

An elite variety of *Catalpa bungei* 'Wanqiu8402' Ma Wenjun, Wang Junhui, Zhang Shougong, *et al.* (150)