



ISSN 1001-1498

CN 11-1221/S  
CODEN LKYAEB

# 林业科学研究

## FOREST RESEARCH

第 25 卷 第 5 期

Vol. 25 No. 5



2012 5



中国林业科学研究院  
THE CHINESE ACADEMY OF FORESTRY

目 次

- 三江源湿地变化驱动因子定量研究 ..... 陈永富, 刘华, 邹文涛, 等(545)  
角倍总 RNA 提取方法建立及 *ACTIN* 基因片段克隆 ..... 阮桢媛, 陈晓鸣, 杨子祥(551)  
用分段建模方法建立东北落叶松立木材积和生物量方程 ..... 党永峰, 王雪军, 曾伟生(558)  
乐东拟单性木兰地理种源变异与选择研究 ..... 刘军, 姜景民, 刘昭息, 等(564)  
干旱胁迫下 3 个甜角品种幼苗的生理生化响应及抗旱性评价 ..... 赵一鹤, 李建宾, 杨时宇, 等(569)  
基于 Kira 指标的云南松气候适宜性分析 ..... 陈飞, 王健敏, 陈晓鸣, 等(576)  
西藏南伊沟林芝云杉林生物量与生产力研究 ..... 方江平(582)  
毛红椿不同家系磷素利用特性的研究 ..... 孔超, 刘军, 姜景民, 等(590)  
青海共和盆地不同林龄乌柳林的水分利用策略 ..... 刘丽颖, 贾志清, 朱雅娟, 等(597)  
栗疫菌营养体亲和型多样性比较及野生栗栗疫菌交配型的分子检测 ..... 潘琪, 张国珍, 贺伟, 等(604)  
腾冲红花油茶果实成熟度及堆沤处理对油产量及其品质的影响 ..... 黄佳聪, 阙欢, 万晓军, 等(612)  
舞毒蛾核型多角体病毒 PCR 检测技术的建立 ..... 陶婧, 韩崇选, 张永安, 等(616)  
筛胸梳爪叩甲防治技术研究 ..... 舒金平, 腾莹, 陈文强, 等(620)  
增雨对荒漠灌木白刺枝叶生长的促进作用 ..... 朱雅娟, 贾子毅, 吴波, 等(626)  
天然群落枯枝落叶浸提液与其它处理对伯乐树种子发芽的比较研究 ..... 马冬雪, 刘仁林(632)  
红松木倾斜角度对其木材形成组织的影响 ..... 石江涛, 孙庆丰, 邢东, 等(638)  
云杉引种及种和种源早期评价 ..... 李青粉, 王军辉, 张建华, 等(644)  
镉胁迫对 107 杨幼苗光合作用和干物质分配的影响 ..... 蔺晓晖, 段爱国, 何彩云, 等(651)  
**研究简报**  
1 年生楸树无性系苗期生长特性 ..... 麻文俊, 张守攻, 王军辉, 等(657)  
三峡巫山杉木马尾松混交林土壤 DNA 空间异质性分析 ..... 林英华, 汪来发, 卢萍, 等(664)  
英德火炬松种子园子代在粤北的生长规律研究 ..... 刘纯鑫, 刘天颐, 黄少伟, 等(670)

# FOREST RESEARCH

Vol. 25 No. 5 Oct. 2012

## Contents

- Quantitative Study on the Drive Factors of Wetland Change in Three Rivers' Source Area ..... CHEN Yong-fu, LIU Hua, ZOU Wen-tao, et al(545)
- Extraction of Total RNA from Horned-gall and the Cloning of *ACTIN* Gene Fragment ..... RUAN Zhen-yuan, CHEN Xiao-ming, YANG Zi-xiang(551)
- Using Segmented Modeling Approach to Construct Tree Volume and Biomass Equations for Larch in Northeastern China ..... DANG Yong-feng, WANG Xue-jun, ZENG Wei-sheng(558)
- Research on Geological Provenances Variation and Selection of *Parakmeria latungensis* ..... LIU Jun, JIANG Jing-min, LIU Zhao-xi, et al(564)
- Physiological and Biochemical Response to Drought Stress in Seedling Stages and Drought-Resistance Evaluation of Sweet Tamarind Varieties ..... ZHAO Yi-he, LI Jian-bin, YANG Shi-yu, et al(569)
- Analyzing Climate Suitability of *Pinus yunnanensis* Based on Kira's Indices ..... CHEN Fei, WANG Jian-min, CHEN Xiao-ming, et al(576)
- Study on Biomass and Productivity of *Picea likiangensis* var. *linzhiensis* Forest in Nanyigou of Tibet ..... FANG Jiang-ping(582)
- Characteristics of Phosphorus Utilization in Families of *Toona ciliata* var. *pubescens* ..... KONG Chao, LIU Jun, JIANG Jing-min, et al(590)
- Water Use Strategy of *Salix cheilophila* Stands with Different Ages in Gonghe Basin, Qinghai Province ..... LIU Li-ying, JIA Zhi-qing, ZHU Ya-juan, et al(597)
- Comparison of Vegetative Compatibility Diversity of *Cryphonectria parasitica* from Wild and Cultivated Chestnut and Molecular Detection of Mating-type of the Pathogens from Wild Chestnut ..... PAN Qi, ZHANG Guo-zhen, HE Wei, et al(604)
- Effects of Fruit Maturity and Compost on Oil Yield and Quality of *Camellia reticulate* ..... HUANG Jia-cong, KAN Huan, WAN Xiao-jun, et al(612)
- Establishment of PCR Assay for Detecting of *Lymantria dispar* Multiple-embedded Nucleopolyhedrovirus (LdMNPV) ..... TAO Jing, HAN Chong-xuan, ZHANG Yong-an, et al(616)
- Control Techniques of *Melanotus cibricollis* (Coleoptera: Elateridae) ..... SHU Jin-ping, TENG Ying, CHEN Wen-qiang, et al(620)
- The Role of Increased Precipitation in Promoting Branch and Leaf Growth of *Nitraria tangutorum* ..... ZHU Ya-juan, JIA Zi-yi, WU Bo, et al(626)
- Comparative Study on Germination of *Bretschneidera sinensis* Seeds Treated with Solution Extracted from Forest Litter and Other Methods ..... MA Dong-xue, LIU Ren-lin(632)
- Effect of Stem Bending Angle on Formative Tissue During Wood Formation of *Pinus koraiensis* ..... SHI Jiang-tao, SUN Qing-feng, XING Dong, et al(638)
- Introduction and Early Evaluation of Species and Provenances of Spruce ..... LI Qing-fen, WANG Jun-hui, ZHANG Jian-hua, et al(644)
- Effects of Cadmium Stress on Leaf Photosynthesis and Dry Matter Allocation of *Populus × euramericana* (Dode) Guineir cv. 'Neva' ..... LIN Xiao-hui, DUAN Ai-guo, HE Cai-yun, et al(651)
- Scientific Notes**
- Growth Traits of One-Year-Old *Catalpa bungei* Clones in Seedling Stage ..... MA Wen-jun, ZHANG Shou-gong, WANG Jun-hui, et al(657)
- Spatial Variability of Soil DNA in China Fir and Masson Pine Mixed Forest in Three Gorger Reservoir Areas ..... LIN Ying-hua, WANG Lai-fa, LU Ping, et al(664)
- Evaluation for the Growth Regularity of Progenies from Yingde Loblolly Pine Seed Orchard in North Guangdong ..... LIU Chun-xin, LIU Tian-yi, HUANG Shao-wei, et al(670)