

目 次

- 蒙古栎次生林林木竞争对不同抚育间伐方式的响应 胡雪凡, 段光爽, 张会儒, 等(1)
- 不同栽植代数杉木人工林土壤磷素特征研究 张 虹, 于姣姐, 李海洋, 等(10)
- 基于频谱分析用针刺仪测定树木年龄的算法 潘 虹, 卢 军, 郭旭展, 等(19)
- '84K'杨组氨酸激酶基因 *PaHK3b* 的克隆及功能分析 鲁俊倩, 武 舒, 钟姗辰, 等(26)
- 珍稀濒危植物金丝李种子休眠解除的转录组分析 张俊杰, 张灵艺, 夏 科, 等(35)
- 绒毛白蜡 (*Fraxinus velutina* Torr) 韧皮部响应白蜡窄吉丁 (*Agrius planipennis* Fairmaire) 危害的转录组变化 封润霞, 赵 婕, 张苏芳, 等(47)
- 楸树种子发育过程中内源激素含量的动态变化 韩东花, 杨桂娟, 肖 遥, 等(56)
- 杉木幼龄林分断面积生长的良种与密度效应研究 李晓燕, 段爱国, 张建国, 等(65)
- 2 种花楸果实类胡萝卜素成分与果色关系 于雪丹, 张川红, 郑勇奇, 等(71)
- 赤松宜林地昆嵛山腮扁叶蜂虫基指数的评估 胡瑞瑞, 梁 军, 谢 宪, 等(80)
- 土壤理化性质对红锥人工林生长及心材形成的影响 刘光金, 贾宏炎, 徐建民, 等(88)
- 基于面向对象多特征变化向量分析法的森林资源变化检测 王晓慧, 谭炳香, 李世明, 等(98)
- 杉木林下套种阔叶树对土壤生态酶活性及其化学计量比的影响 孙思怡, 卢胜旭, 陆宇明, 等(106)
- 不同种源华重楼主要生物活性成分地理变异及其相关性分析 曾平生, 厉月桥, 周新华, 等(114)
- 不同栓皮栎家系对重金属的耐性和富集特性 施 翔, 王树凤, 陈益泰, 等(121)
- 格氏栲天然林凋落物对马尾松种子萌发的影响 贾梅花, 王 哲, 刘金福, 等(128)
- 福建柏实时荧光定量 PCR 内参基因的选择 周成城, 荣俊冬, 谢德金, 等(137)
- 三峡库区消落带水桦 (*Betula nigra*) 周期性水淹后的生理与结构响应 甘丽萍, 任 立, 李 豪, 等(146)
- 研究简报**
- 8 种杀菌剂对 9 种薄壳山核桃炭疽病病原菌的毒力测定 孟 珂, 张亚波, 常 君, 等(153)
- 油茶叶片氮磷钾含量与经济性状的关联分析 曹永庆, 任华东, 王开良, 等(165)
- 苹小吉丁林间扩散行为的初步研究 马志龙, 姚艳霞, 阿地力·沙塔尔(173)
- 桐花树根部一株内生固氮菌的筛选及其培养特性研究 蔺红革, 谢呈媛, 王 芸, 等(181)

Contents

- Response of Tree Competition in Natural Secondary *Quercus mongolica* Forest to Thinning Treatment HU Xue-fan, DUAN Guang-shuang, ZHANG Hui-ru, et al(9)
- Characteristics of Soil Phosphorus in *Cunninghamia lanceolata* Plantations with Different Planting Rotations ZHANG Hong, YU Jiao-da, LI Hai-yang, et al(18)
- Tree Age Estimation Algorithm Based on Spectrum Analysis by Resistograph PAN Hong, LU Jun, GUO Xu-zhan, et al(25)
- Cloning and Functional Analysis of Histidine Kinase Gene *PaHK3b* in Poplar '84K' PAN Hong, LU Jun, GUO Xu-zhan, et al(25)
- Transcriptomic Analysis of the Seed of *Garcinia paucinervis*, a Rare and Endangered Plant Species, During Dormancy Releasing ZHANG Jun-jie, ZHANG Ling-yi, XIA Ke, et al(46)
- Transcriptome Changes in the Phloem of *Fraxinus velutina* Torr Response to Infection of *Agrilus planipennis* Fairmaire FENG Run-xia, ZHAO Jie, ZHANG Su-fang, et al(55)
- Dynamic Changes of Endogenous Hormone Content in *Catalpa bungei* Seeds During Their Developmental Periods HAN Dong-hua, YANG Gui-juan, XIAO Yao, et al(64)
- Effects of Improved Varieties and Densities on Stand Basal Area Growth of Young Chinese Fir (*Cunninghamia lanceolata*) Plantation LI Xiao-yan, DUAN Ai-guo, ZHANG Jian-guo, et al(70)
- Relationship between Carotenoid Component and Fruit Color of Two *Sorbus* Species YU Xue-dan, ZHANG Chuan-hong, ZHENG Yong-qi, et al(79)
- Evaluate the Pest Based Index of *Cephalcia kyunushanica* HU Rui-rui, LIANG Jun, XIE Xian, et al(87)
- Effects of Soil Physicochemical Properties on Growth and Heartwood Formation of *Castanopsis hystrix* Plantation LIU Guang-jin, JIA Hong-yan, XU Jian-min, et al(97)
- Object-oriented Forest Change Detection Based on Multi-feature Change Vector Analysis WANG Xiao-hui, TAN Bing-xiang, LI Shi-ming, et al(105)
- Effects of Chinese Fir Interplanted with Broadleaved Trees on Soil Ecological Enzyme Activity and Stoichiometry SUN Si-yi, LU Sheng-xu, LU Yu-ming, et al(113)
- Geographical Variation and Correlation Analysis of the Main Bioactive Components of *Paris polyphylla* from Different Provenances ZENG Ping-sheng, LI Yue-qiao, ZHOU Xin-hua, et al(120)
- Tolerance and Enrichment Characteristics of Different Families of *Quercus variabilis* to Heavy Metal SHI Xiang, WANG Shu-feng, CHEN Yi-tai, et al(127)
- Effects of *Castanopsis kawakamii* Forest Litter on Seed Germination of *Pinus massoniana* JIA Mei-hua, WANG Zhe, LIU Jin-fu, et al(136)
- Quantitative Real-time PCR Analysis of *Fokienia hodginsii* During Selection of Reference Genes ZHOU Cheng-cheng, RONG Jun-dong, XIE De-jin, et al(145)
- Physiological and Structural Responses of *Betula nigra* to Periodic Flooding in Three Gorges Reservoir Fluctuating Zone GAN Li-ping, REN Li, LI Hao, et al(152)
- Scientific Notes**
- Toxicity Test with 8 Fungicides Against 9 Pathogens of Pecan Anthracnose (*Colletotrichum* spp.) MENG Ke, ZHANG Ya-bo, CHANG Jun, et al(164)
- Analysis on the Correlations between Nitrogen, Phosphorus, Potassium Content in Leaves and the Economic Characters of *Camellia oleifera* CAO Yong-qing, REN Hua-dong, WANG Kai-liang, et al(172)
- A Preliminary Study on the Field-Diffusion Behavior of *Agrilus mali* Matsumura (Coleoptera: Buprestidae) MA Zhi-long, YAO Yan-xia, Adili Sattar(180)
- Screening of Endophytic Nitrogen Fixation Bacteria from Roots of *Aegiceras corniculatum* and Optimization of Their Culture Conditions LIN Hong-ping, XIE Cheng-yuan, WANG Yun, et al(186)