

CSCD 来源期刊
中国高校优秀科技期刊

ISSN 1000-2006
CODEN NLDXBZ

南京林业大学学报

自然科学版

JOURNAL OF NANJING FORESTRY UNIVERSITY
NATURAL SCIENCES EDITION

2019

6

第 43 卷 Vol.43



目 次

专题报道

松墨天牛取食期间传播松材线虫的特性 王 洋, 陈 军, 陈凤毛, 周 权, 周立峰, 孙守慧(1)
拟松材线虫个体发育研究 尚 征, 周立峰, 冯玥瑶, 刘费樱, 陈凤毛(11)
两株我国南北松材线虫虫株形态指标与致病力比较 盛若成, 李 敏, 陈 军, 高志健, 孙守慧, 叶建仁, 陈凤毛(18)
基于 SNP 标记的广东省松材线虫种群分化研究 黄金思, 奚晓桐, 丁晓磊, 叶建仁(25)

研究论文

水分变化对荒漠植物白刺气体交换参数及形态特征的影响 段 娜, 汪 季, 郝玉光, 高君亮, 陈晓娜, 多普增(32)
滴灌施肥条件下氮磷钾对‘龙脑香樟’幼苗生长及光合特性的影响 张银荣, 兰再平, 秘洪雷, 彭晶晶, 马 鑫, 秦杏宇(39)
珍稀濒危植物毛果木莲幼苗光合特性及对遮阴处理的响应 徐 清, 闭鸿雁, 崔光帅, 郭晓荣, 周 睿, 苏文华, 欧阳志勤, 张光飞(46)
青海云杉自由授粉家系遗传变异与基于 BLUP 的改良代亲本选择 欧阳芳群, 祁生秀, 范国霞, 蔡启山, 陈海庆, 高万里, 胡长寿, 王军辉(53)
基于 SSR 标记构建宝巾花品种的分子指纹 孙利娜, 周 群, 黄妹平, 周长品, 徐世松, 杨舒婷, 杜 铃, 甘四明, 唐 庆(60)
广西马尾松三个优良种源的遗传多样性及生长性状变异分析 冯源恒, 李火根, 杨章旗, 黄永利, 陈 虎(67)
北美海棠 6 品种在南方地区的引种研究 何 梅, 胡玉安, 武启飞, 许 军, 赵 安(73)
基于多站扫描的点云特征参数与材积结构动态分析 蒋佳文, 温小荣, 顾海波, 张峥男, 刘方舟, 张严利, 孙 圆(83)
基于 NIRS 的马尾松苗木根部含水量预测模型 倪 超, 张 云, 高捍东(91)
落叶松人工林树皮厚度预测模型 贾炜玮, 梁玉钊, 李凤日(97)
基于城市化进程的宜兴市景观演变与预测 刘智丽, 岳德鹏, 杨 慧, 张启斌, 于 强, 徐小东(105)
气候变化下西南地区 12 种常见针叶树种适宜分布区预测 陈禹衡, 吕一维, 殷晓洁(113)
基于随机森林模型的美国白蛾在中国的潜在生境预测 纪烨琳, 苏喜友, 于治军(121)
团花树 *NcIRX9* 基因在木聚糖生物合成中的功能保守性 殷 琪, 秦文其, 刘婷婷, 康 璐, 吴蔼民, 邓小梅(129)
氰丙氨酸合酶在乙烯诱导杨树耐盐中的作用 廖杨文科, 崔荣荣, 谢寅峰(137)
基于“源-汇”理论的传统乡村景观安全格局构建 熊 星, 唐晓岚, 刘 澜, 王军围(143)
江苏国家城市湿地公园功能布局适宜性评价 徐新洲, 陆智超, 邱 冰, 王 浩(152)
生态绩效增长视角下的林业生产要素优化 蒋 瞻, 蔡志坚, 秦 希(159)
基于嗜铁素介导的吡咯伯克霍尔德氏菌 JK-SH007 促生作用机制研究 闵莉静, 郭 璐, 叶建仁(164)

综述述评

新型分子生物学技术在花卉定向育种中的应用进展 夏 溪, 奉树成, 张春英(173)

研究简报

基于诱导行车视线与防眩功能的高速公路中央分车带植物种植间距研究 樊亚珍, 王良桂, 汪结明, 向言词, 彭文罡, 王晨阳, 刘炳攸(181)
银杏白果干燥过程中水分分布及迁移的变化 孙 旭, 姜 东, 徐 莉, 花彤彤, 宣 艳, 曹福亮(188)
银杏种子脱水敏感性的研究 冯 景, 沈永宝, 史锋厚(193)
‘中山杉 118’与落羽杉胸径生长及木材密度的比较研究 朱越骅, 潘 彪, 於朝广, 殷云龙, 张耀丽(201)

江苏咖啡豹蠹蛾风险分析 巨云为, 朱晨曦, 严晓茹, 章 宇, 吴娅莉, 赵玉玲, 王克春, 李永荣(207)

《南京林业大学学报 (自然科学版) 》2019 年论文题录 (作者) 索引 (211)

《南京林业大学学报 (自然科学版) 》第九届编辑委员会 (封二)

致谢 (封三)

Contents

Transmission of <i>Bursaphelenchus xylophilus</i> (Nematoda: Aphelenchoididae) through feeding activity of <i>Monochamus alternatus</i> (Coleoptera: Cerambycidae)	WANG Yang, CHEN Jun, CHEN Fengmao, ZHOU Quan, ZHOU Lifeng, SUN Shouhui (1)
Ontogenesis of pine parasitic nematode <i>Bursaphelenchus mucronatus</i> (Nematoda: Aphelenchoididae)	SHANG Zheng, ZHOU Lifeng, FENG Yueyao, LIU Feiying, CHEN Fengmao (11)
Comparison of morphological index and pathogenicity of two isolates of <i>Bursaphelenchus xylophilus</i> in southern and northern China	SHENG Ruocheng, LI Min, CHEN Jun, GAO Zhijian, SUN Shouhui, YE Jianren, CHEN Fengmao (18)
Study on the population differentiation of <i>Bursaphelenchus xylophilus</i> in Guangdong Province by SNP markers	HUANG Jinsi, XI Xiaotong, DING Xiaolei, YE Jianren (25)
Effects of gas exchange and morphological characteristics of desert species <i>Nitraria tangutorum</i> under moisture variation	DUAN Na, WANG Ji, HAO Yuguang, GAO Junliang, CHEN Xiaona, DUO Puzeng (32)
The growth and photosynthetic characteristics of <i>Cinnamomum longepaniculatum</i> ‘Longnao Xiangzhang’ steckling under different N, P and K level by drip fertilization	ZHANG Yinrong, LAN Zaiping, BI Honglei, PENG Jingjing, MA Xin, QIN Xingyu (39)
Response of photosynthetic fluorescence of the endangered plant <i>Manglietia ventii</i> seedlings to shade treatment	XU Qing, BI Hongyan, CUI Guangshuai, GUO Xiaorong, ZHOU Rui, SU Wenhua, OUYANG Zhiqin, ZHANG Guangfei (46)
Genetic variation and improved parents selection of open pollination families of <i>Picea crassifolia</i> Kom. basing one BLUP method	OUYANG Fangqun, QI Shengxiu, FAN Guoxia, CAI Qishan, CHEN Haiqing, GAO Wanli, HU Changshou, WANG Junhui (53)
Using the SSR fluorescent labling to establish SSR fingerprint for 131 cultivars in <i>Bougainvillea</i> (Nyctaginaceae)	SUN Lina, ZHOU Qun, HUANG Meiping, ZHOU Changpin, XU Shisong, YANG Shuting, DU Ling, GAN Siming, TANG Qing (60)
Analysis of genetic diversity and variation of growth traits of three superior provenances of <i>Pinus massoniana</i> (masson pine) in Guangxi	FENG Yuanheng, LI Huogen, YANG Zhangqi, HUANG Yongli, CHEN Hu (67)
Study on the growth adaptability of north American crabapple introduced to southern China	HE Mei, HU Yu'an, WU Qifei, XU Jun, ZHAO An (73)
Dynamic analysis of point cloud characteristic parameters and volume structure based on multi-station scan	JIANG Jiawen, WEN Xiaorong, GU Haiho, ZHANG Zhengnan, LIU Fangzhou, ZHANG Yanli, SUN Yuan (83)
Prediction model of moisture content of masson pine seedling roots based on near infrared spectroscopy	NI Chao, ZHANG Yun, GAO Handong (91)
Bark thickness prediction models for larch plantation	JIA Weiwei, LIANG Yuzhao, LI Fengri (97)
Evolvment and prediction of landscape pattern in Yixing City based on urbanization process	LIU Zhili, YUE Depeng, YANG Hui, ZHANG Qibin, YU Qiang, XU Xiaodong (105)
Predicting habitat suitability of 12 coniferous forest tree species in southwest China based on climate change	CHEN Yuheng, LÜ Yiwei, YIN Xiaojie (113)
Potential habitat prediction of <i>Hyphantria cunea</i> based on a random forest model in China	JI Yelin, SU Xiyu, YU Zhijun (121)
Functional conservation of <i>Neolamarckia cadamba</i> <i>NcIRX9</i> gene in xylan biosynthesis	YIN Qi, QIN Wenqi, LIU Tingting, KANG Lu, WU Aimin, DENG Xiaomei (129)
The role of β -cyanoalanin synthase in polar leaves under salt stress	LIAO Yangwenke, CUI Rongrong, XIE Yinfeng (137)
Traditional rural landscape security pattern construction based on “Source-Sink” theory	XIONG Xing, TANG Xiaolan, LIU Lan, WANG Junwei (143)
Suitability evaluation of functional layout of National Urban Wetland Park in Jiangsu Province	XU Xinzhou, LU Zhichao, QIU Bing, WANG Hao (152)
Optimization of forestry production factors from the perspective of ecological performance growth	JIANG Zhan, CAI Zhijian, QIN Xi (159)
Mechanism of <i>Burkholderia pyrrrocinia</i> JK-SH007 growth-promoting to plant via siderophore-mediation	MIN Lijing, GUO Lu, YE Jianren (164)
Advance in flower directive breeding using new molecular biology techniques	XIA Xi, FENG Shucheng, ZHANG Chunying (173)
Research on the reasonable planting distance in central section of highway based on guiding the driving sight and anti-glare	FAN Yazhen, WANG Liangui, WANG Jieming, XIANG Yanci, PENG Wengang, WANG Chenyang, LIU Bingyou (181)
Moisture distribution and migration of <i>Ginkgo biloba</i> seeds during air drying process	SUN Xu, JIANG Dong, XU Li, HUA Tongtong, XUAN Yan, CAO Fuliang (188)
Study on desiccation sensitivity of <i>Ginkgo biloba</i> seeds	FENG Jing, SHEN Yongbao, SHI Fenghou (193)
Comparative study on DBH growth and wood density of <i>Taxodium</i> hybrid ‘Zhongshanshan 118’ and <i>Taxodium distichum</i>	ZHU Yuehua, PAN Biao, YU Chaoguang, YIN Yunlong, ZHANG Yaoli (201)
Risk analysis of <i>Zeuzera coffeae</i> Nietner in Jiangsu Province	JU Yunwei, ZHU Chenxi, YAN Xiaoru, ZHANG Yu, WU Yali, ZHAO Yuling, WANG Kechun, LI Yongrong (207)