

CSCD 来源期刊
中国高校优秀科技期刊

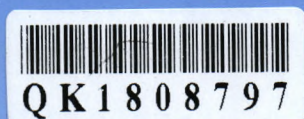
ISSN 1000-2006
CODEN NLDXBZ

南京林业大学学报

自然科学版

JOURNAL OF NANJING FORESTRY UNIVERSITY
NATURAL SCIENCES EDITION

2018



1

第 42 卷 Vol.42



目 次

专题报道

数字化测绘技术在私家园林中的应用研究 张青萍,梁慧琳,李卫正,杨梦珂,朱灵茜,黄 安(1)
基于小型无人机摄影测量的江南景观水资源综合利用分析

..... 王 玮,王 浩,李卫正,乌日汗,田晓冬,郭苏明,陈周翔,张浩峰(7)
海绵城市建设中建成区雨洪格局的量化研究 汤 鹏,王 玮,张 展,苏同向,王 浩(15)

研究论文

美洲黑杨×毛果杨 *NDR1* 基因表达对 E4 锈菌侵染的响应 李丹蕾,王 峰,陈俏丽,张瑞芝,王佳楠(21)
根癌农杆菌介导遗传转化烟草‘NC89’效率的影响因素

..... MALEKI Samaneh Sadat, MOHAMMADI Kourosh, 季孔庶(27)

淹水胁迫对湖北海棠生长及叶绿素荧光动力学的影响 张 虎,曹福亮,范俊俊,张往祥(35)

外施植物生长调节剂对细柄阿丁枫扦插生根的影响 张丹丹,范俊俊,赵明明,蔡喜彦,张往祥(41)

施氮量对油用牡丹‘凤丹’光合特性及产量的影响 段祥光,张利霞,刘 伟,郭丽丽,郭大龙,侯小改(48)

石蒜叶期生物量、根系活力的动态变化及更替规律 蔡军火,李金峰,魏绪英,张 露(55)

圣音竹及其回复突变体笋期的碳氮代谢特征分析
..... 岳晋军,王 涛,彭镇华,李潞滨,顾小平,袁金玲,吴晓丽,刘正娥(60)

类短命植物猪牙花夏眠期地下芽分化与生长节律
..... 刘雪莲,杨允菲,朱俊义,秦佳梅,孙忠林,张力凡(67)

农药施用浓度对油桐幼苗生长及土壤酶活性、有效养分含量的影响
..... 万 盼,黄小辉,熊兴政,刘 芸(73)

黑曲霉及其代谢产物对花岗岩风化作用的影响 吴秋芳,胡海波,张 鑫(81)

超声发射特征归类识别木质部栓塞信息 曾 俊,孙慧珍(89)

密度调控对川西山地云杉人工林地地被物及土壤水文特征的影响
..... 冯秋红,吴晓龙,徐峥静茹,刘兴良,卢昌泰,潘红丽,刘世荣(98)

低分子有机酸对东北黑土酶活性与养分关系的影响 赵鹏志,陈祥伟,杨小燕,齐思明,王恩姮(105)

东北黑土区乌裕尔河流域侵蚀沟变化过程及影响因素 胡天然,王树力(113)

地面滴灌龙脑香樟人工林的土壤水分运动规律
..... 张银荣,兰再平,彭晶晶,秘洪雷,马 鑫,贺 新,楼 杰(120)

基于移动二维激光扫描的单木三维绿量测定 李秋洁,郑加强,周宏平,束义平,徐 波(127)

基于模拟退火算法的森林空间经营规划 董灵波,孙云霞,刘兆刚(133)

基于 3-PG 模型的长白落叶松人工林生长和生物量模拟 解雅麟,王海燕,雷相东(141)

基于固定样地的黄山不同海拔森林群落物种多样性分析
..... 伊贤贵,丁 晖,方炎明,叶要清,陈水飞,王 旭,从 睿,张开文,李 焱,王贤荣(149)

综述述评

铁线莲属灌木铁线莲组(毛茛科)研究进展 何 健,刘慧杰,谢 磊(156)

红树林空间分布遥感监测精度的影响因素及应对措施 周 梅,李春干,代华兵(163)

研究简报

湖北省野生青檀纤维形态特征及差异 汪殿蓓,李建华,田春元,钟亚琴,段丽君,杨先忠(169)

油茶熊蜂授粉试验初报 赵博光,徐光辉,肖智勇,李乾明,易阳春,姚芳娟,施小弟,李美英(175)

黑壳楠生长量及木材解剖特征的径向变异 杨建飞,宁莉萍,杨 了,王天石,陈甜甜,钱钰滢(181)

栓皮栎容器育苗方式对其造林效果的影响 孙巧玉,刘 勇,陈 闯,史文辉,王巍伟,陈 晓(188)

木材表面 g-C₃N₄ 的固定及其光降解性能表征 袁炳楠,董 悦,郭明辉(193)

《南京林业大学学报(自然科学版)》出版道德公约 (198)

《南京林业大学学报(自然科学版)》第九届编辑委员会 (封二)

《南京林业大学学报(自然科学版)》征稿简则 (封三)

本期执编 李燕文

英文审校 吴祝华

[期刊基本参数] CN 32-1161/S * 1958 * b * A4 * 198 * zh * P * ¥ 20.00 * 1000 * 29 * 2018-01

Contents

Research of the application of digital survey techniques in private garden
 ZHANG Qingping, LIANG Huilin, LI Weizheng, YANG Mengke, ZHU Lingxi, HUANG An(1)

Analysis on comprehensive utilization of landscape water resources based on UAV digital photogrammetry technology
 ... WANG Wei, WANG Hao, LI Weizheng, WU Rihan, TIAN Xiaodong, GUO Suming, CHEN Zhouxiang, ZHANG Haofeng(7)

Quantitative research on rain-flood patterns of urban area in the construction of "Sponge Cities"
 TANG Peng, WANG Wei, ZHANG Zhan, SU Tongxiang, WANG Hao(15)

Impact of *NDR1* gene on the incompatible *Populus deltoides*×*P. trichocarpa* infected with *Melampsora larici-populina* E4
 LI Danlei, WANG Feng, CHEN Qiaoli, ZHANG Ruizhi, WANG Jianan(21)

Influencing factors of genetic transformation efficiency in tobacco (*Nicotiana tabacum* 'NC89') using *Agrobacterium tumefaciens*
 Samaneh Sadat MALEKI, Kourosh MOHAMMADI, Kongshu JI(27)

Effects of flooding stress on the growth and chlorophyll fluorescence kinetics of *Malus hupehensis*
 ZHANG Hu, CAO Fuliang, FAN Junjun, ZHANG Wangxiang(35)

Effects of plant growth regulator on cuttings rooting of *Altingia gracilipes*
 ZHANG Dandan, FAN Junjun, ZHAO Mingming, CAI Xiyan, ZHANG Wangxiang(41)

Effects of nitrogen application on photosynthetic characteristics and yields of oil tree peony *Paeonia ostii* 'Feng Dan'
 DUAN Xiangguang, ZHANG Lixia, LIU Wei, GUO Lili, GUO Dalong, HOU Xiaogai(48)

Dynamic change in biomass, root vigor and replacement rate during the green leaf period of *Lycoris radiata*
 CAI Junhuo, LI Jinfeng, WEI Xuying, ZHANG Lu(55)

Physiological features of C and N metabolism during shoot elongation in *Phyllostachys edulis* f. *tubaeformis* and its reverse mutant
 YUE Jinjun, WANG Tao, PENG Zhenhua, LI Lubin, GU Xiaoping, YUAN Jinling, WU Xiaoli, LIU Zheng'e(60)

Study on morphological differentiation and growth rhythm of underground buds of spring ephemeroid plant *Erythronium japonicum* during summer dormancy LIU Xuelian, YANG Yunfei, ZHU Junyi, QIN Jiamei, SUN Zhonglin, ZHANG Lifan(67)

Effects of pesticides on soil enzyme activities, available nutrients and growth of *Vernicia fordii* seedlings
 WAN Pan, HUANG Xiaohui, XIONG Xingzheng, LIU Yun(73)

Effect of *Aspergillus niger* and its metabolites on weathering of granite WU Qiufang, HU Haibo, ZHANG Xin(81)

Classification of ultrasonic acoustic emissions features on determining embolism-related signals ... ZENG Jun, SUN Huizhen(89)

Effects of density adjustment on ground cover and soil hydrological function of *Picea asperata* plantation in the subalpine region of western Sichuan Province, China
 FENG Qihong, WU Xiaolong, XU Zhengjingru, LIU Xingliang, LU Changtai, PAN Hongli, LIU Shirong(98)

Relationship between enzyme activities and nutrients of black soil subjected to low molecular organic acid
 ZHAO Pengzhi, CHEN Xiangwei, YANG Xiaoyan, QI Siming, WANG Enheng(105)

Factors affecting gully erosion Wuyuer River watershed of the black soil region HU Tianran, WANG Shuli(113)

Soil water movement in *Cinnamomum camphora* plantation under drip irrigation
 ZHANG Yinrong, LAN Zaiping, PENG Jingjing, BI Honglei, MA Xin, HE Xin, LOU Jie(120)

Three-dimensional green biomass measurement for individual tree using mobile two-dimensional laser scanning
 LI Qiuji, ZHENG Jiaqiang, ZHOU Hongping, SHU Yiping, XU Bo(127)

Spatial forest-management planning with simulated annealing algorithm DONG Lingbo, SUN Yunxia, LIU Zhaogang(133)

Growth and biomass simulation of *Larix olgensis* plantations based on 3-PG model
 XIE Yalin, WANG Haiyan, LEI Xiangdong(141)

Species diversity of forest communities at different altitudes based on fixed plot in Huangshan Mountains
 YI Xiangui, DING Hui, FANG Yanming, YE Yaoqing, CHEN Shuifei, WANG Xu, CONG Rui, ZHANG Kaiwen, LI Yao, WANG Xianrong(149)

Research advances of *Clematis* Sect. *Fruticella* (Ranunculaceae) HE Jian, LIU Huijie, XIE Lei(156)

Influence factors and measures of remote sensing monitoring precision of mangrove space distribution
 ZHOU Mei, LI Chungan, DAI Huabing(163)

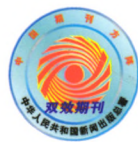
Variation in fiber morphology among wild *Pteroceltis tatarinowii* populations in Hubei Province
 WANG Dianbei, LI Jianhua, TIAN Chunyuan, ZHONG Yaqin, DUAN Lijun, YANG Xianzhong(169)

First trials to pollinate *Camellia oleifera* by using *Bombus terrestris*
 ZHAO Boguang, XU Guanghui, XIAO Zhiyong, LI Qianming, YI Yangchun, YAO Fangjuan, SHI Xiaodi, LI Meiyong(175)

Variation in radial increment of *Lindera megaphylla* and its wood anatomical characteristics
 YANG Jianfei, NING Liping, YANG Liao, WANG Tianshi, CHEN Tiantian QIAN Yuying(181)

Effects of container seedling quality on outplanting performance of *Quercus variabilis*
 SUN Qiaoyu, LIU Yong, CHEN Chuang, SHI Wenhui, WANG Weiwei, CHEN Xiao(188)

Immobilized of g-C₃N₄ on wood surface and characterization of its photodegradation property
 YUAN Bingnan, DONG Yue, GUO Minghui(193)



《南京林业大学学报（自然科学版）》被下列数据库列为来源期刊

国际:

CABI 英国《农业与生物科学研究中心文摘》(CAB Abstracts)
 化学文摘(CA)
 哥白尼索引(IC)
 英国《林产品文摘》(FPA)
 ISI Web of Science《动物学记录》(ZR)
 日本科学技术振兴机构文献数据库(JST)
 乌利希国际期刊指南(Ulrich's Periodicals Directory)

国内:

中国中文核心期刊
 中国科学引文数据库(CSCD)核心库来源期刊
 中国科技论文统计源期刊(CJCR)(中国科技核心期刊)
 中国科学评价研究中心(RCCSE)权威期刊
 中国学术期刊综合评价数据库来源期刊(CAJCED)
 中国期刊全文数据库(CJFD)
 万方数据(China info)科技期刊群来源期刊
 《中国学术期刊文摘》
 《中国生物学文摘》
 全国农业核心期刊
 《中国林业文摘》
 《竹类文摘》
 中国科技论文在线(www.paper.edu.cn)

南京林业大学学报

自然科学版

NANJING LINYE DAXUE XUEBAO

ZIRAN KEXUE BAN

双月刊, 1958年创刊

2018年1月 第42卷 第1期(总第193期)

JOURNAL OF

NANJING FORESTRY UNIVERSITY

NATURAL SCIENCES EDITION

Bimonthly, Started in 1958

Vol.42 No.1(General Serial No.193)Jan., 2018

主管单位 江苏省教育厅
主办单位 南京林业大学
主 编 曹福亮
编辑出版 《南京林业大学学报(自然科学版)》编辑部
地 址 210037 南京市龙蟠路159号
电 话 025-85428247, 85427076
电子信箱 xuebao@njfu.edu.cn, xuebao@njfu.com.cn
网 址 http://nldxb.njfu.edu.cn
排版印刷 江苏省地质测绘院
国内发行 江苏省报刊发行局
国外发行 中国国际图书贸易集团有限公司
订 阅 全国各地邮政局

Administrated by Jiangsu Provincial Department of Education
Sponsored by Nanjing Forestry University
Editor in Chief CAO Fuliang
Edited & Published by Editorial Department of Journal of Nanjing Forestry University(Natural Sciences Edition)
Address No.159 Longpan Road,Nanjing 210037 Jiangsu,P.R.China
E_mail xuebao@njfu.edu.cn , xuebao@njfu.com.cn
Telephone +86-25-85428247,85427076
Distributed by China International Book Trading Corporation P.O. Box 399, Beijing ,P.R. China
Website http://nldxb.njfu.edu.cn

中国标准连续出版物号: ISSN 1000-2006
 CN 32-1161/S

国外发行代号: BM3470
 国内邮发代号: 28-16

国内定价: 20.00 元



万方数据

ISSN 1000-2006



9 771000 200189

0.1>