

中南林业科技大学学报

Journal of Central South University of Forestry & Technology

第39卷 | 第9期
Volume 39 | Number 9

- ◆中国精品科技期刊
- ◆中国高校百佳科技期刊
- ◆全国中文核心期刊
- ◆中国科技核心期刊
- ◆RCCSE中国权威学术期刊
- ◆中国科学引文数据库(CSCD)核心库来源期刊
- ◆中国科技论文与引文数据库(CSTPCD)来源期刊
- ◆美国CA、日本JST等来源期刊

9

2019
中国·长沙

目 次

林 学

- 温度变化对南极假山毛榉光合系统的影响.....郝向春,周 帅,翟 瑜,韩丽君 (1)
松油醇 -4 型互叶白千层种植栽培研究进展
.....何介南,刘 昊,李建安,黎显军,杨董琳,许煜东 (8)
森林小班跨图层编号地理处理模型的设计与实现.....曹明兰,李亚东,樊昌晋,高绍伟 (16)
华北石质山区山杏耗水预测模型的构建与验证
.....刘泽勇,马长明,刘春鹏,李向军,徐振华,杨 飞 (21)
广西红壤区林木根际溶磷菌的筛选与鉴定
.....邓小军,颜 权,李海星,韩 华,李武应,唐 健,王会利,宋贤冲,覃祚玉 (28)
风箱果(♀)×紫叶风箱果(♂)杂交种光合特性对干旱胁迫的响应
.....张书博,王均睿,周 涛,徐梓淞,马松良,吴绪叶,张会慧,孙广玉 (33)
不同形态氮及钾营养对栲树苗生长和氮吸收的影响
.....黄 玲,翁贤权,侯利涵,刘 美,邹 娜,黄孝风,陈慧晶 (39)
内蒙古翁牛特旗文冠果优良单株的选择.....张 毅,敖 妍 (48)

生态学

- 城市森林群落林冠结构与林下光环境的关系
.....黄练忠,杨进良,徐庆华,张星元,阚 蕾,张 璐 (53)
贺兰山不同坡位油松林的土壤呼吸特征.....卿明亮,匡 顺,张雨佳,李登武 (59)
亚热带 5 种树种倒木分解对土壤碳氮的影响
.....王翰琨,吴春生,刘亮英,张志坚,黄国贤,刘俊萍,李晓东,刘苑秋 (68)

[期刊基本参数]CN43—1470/S*m*A4*128*zh*P* ¥ 40.00*1000*20*2019—09*n

生物学

金花茶异戊烯焦磷酸异构酶基因全长 cDNA 的克隆与生物信息学分析

.....王 辉, 叶晓霞, 朱宇林, 项文化, 周兴文 (75)

泡桐高密度分子遗传图谱的构建.....李文杨, 王 娟, 赵振利, 范国强 (80)

云南金花茶转录组 SSR 的分布及其序列特征

.....叶 鹏, 李显煌, 唐军荣, 李 斌, 张贵良, 刘 成, 雷 瀚, 辛培尧 (86)

林业工程

基于 GC-MS 的 4 种楠木挥发油化学成分比较研究

.....陈云霞, 史洪飞, 薛晓明, 潘 彪 (92)

前处理对油茶籽油氧化稳定性及美拉德反应的影响

.....杨 楠, 罗 凡, 费学谦, 钟海雁 (97)

环境科学与工程

镉胁迫对龙葵叶绿素荧光和光合生化特性的影响

.....唐星林, 金洪平, 周 晨, 刘光正, 王丽艳 (102)

铅锌胁迫对山苍子幼苗生理生化特性的影响

.....胡文俐, 李培旺, 李昌珠, 蒋丽娟, 张良波, 陈景震, 马英姿 (109)

北京园林绿地 29 种树木 3 种重金属含量的比较

.....兰欣宇, 解莹然, 程佳雪, 万映伶, 张 欣, 刘 燕 (115)

林业经济

基于灰色马尔科夫模型的林业产业结构变动趋势预测——以黑龙江省国有林区为例

.....吕洁华, 刘艳迪, 王潇涵 (122)

本期执行编辑：谢荣秀

CONTENTS

Influence of temperature stress on photosystem of <i>Nothofagus antarctica</i>	HAO Xiangchun, ZHOU Shuai, ZHAI Yu, HAN Lijun (1)
Research progress of planting and cultivation technology on <i>Melaleuca alternifolia</i> of terpineol-4	HE Jienan, LIU Hao, LI Jianan, LI Xianjun, YANG Donglin, XU Yudong (8)
Design and implementation of geographic processing model for forest sub-compartment numbering across map layers	CAO Minglan, LI Yadong, FAN Changjin, GAO Shaowei (16)
Construction and validation of water-consumption prediction model for <i>Prunus sibirica</i> in the rocky mountainous area of north China	LIU Zeyong, MA Changming, LIU Chunpeng, LI Xiangjun, XU Zhenhua, YANG Fei (21)
Isolation and identification of a strain of phosphate-solubilizing bacteria from forest in red soil region of southern China	DENG Xiaojun, YAN Quan, LI Haixing, HAN Hua, LI Wuying, TANG Jian, WANG Huili, SONG Xianchong, QING Zuoyu (28)
Response of photosynthetic gas exchange and chlorophyll fluorescence characteristics to drought stress in hybrid of <i>Physocarpus amurensis</i> Maxim (♀)× <i>Physocarpus opulifolius</i> “Diabolo” (♂)	ZHANG Shubo, WANG Junrui, ZHOU Tao, XU Zisong, MA Songliang, WU Xuye, ZHANG Huihui, SUN Guangyu (33)
Effects of different forms of nitrogen and potassium nutrition on growth and nitrogen absorption of <i>Castanopsis fargesii</i> seedlings	HUANG Ling, WENG Xianquan, HOU Lihan, LIU Mei, ZOU Na, HUANG Xiaofeng, CHEN Huijing (39)
Superior individual selection of <i>Xanthoceras sorbifolium</i> Bunge in Inner Mongolia Wengniute Banner	ZHANG Yi, AO Yan (48)
Relationship between canopy structures and understory light availability in urban forest communities	HUANG Lianzhong, YANG Jinliang, XU Qinghua, ZHANG Xingyuan, KAN Lei, ZHANG Lu (53)
Soil respiration characteristics of <i>Pinus tabuliformis</i> forests at different slope positions in Helan mountain	QING Mingliang, KUANG Shun, ZHANG Yujia, LI Dengwu (59)
Effects of five kinds of CWD decomposition on soil carbon and nitrogen in subtropical regions	WANG Hankun, WU Chunsheng, LIU Liangying, ZHANG Zhijian, HUANG Guoxian, LIU Junping, LI Xiaodong, LIU Yuanqiu (68)
Cloning and bioinformatics analysis of isopentenyl diphosphate isomerase gene cDNA from <i>Camellia nitidissima</i>	WANG Hui, YE Xiaoxia, ZHU Yulin, XIANG Wenhua, ZHOU Xingwen (75)
High-density molecular genetic map construction in <i>Paulownia fortunei</i>	LI Wenyang, WANG Juan, ZHAO Zhenli, FAN Guoqiang (80)
Distribution and characteristics of SSR in transcriptome of <i>Camellia fascicularis</i>	YE Peng, LI Xianhuang, TANG Junrong, LI Bin, ZHANG Guiliang, LIU Cheng, LEI Han, XIN Peiyao (86)
Analysis and comparison of volatile components of four species of <i>Phoebe</i> based on GC-MS	CHEN Yunxia, SHI Hongfei, XUE Xiaoming, PAN Biao (92)
Effect of pretreatment on oxidative stability and Maillard reaction of <i>Camellia oleifera</i> seed oil	YANG Nan, LUO Fan, FEI Xueqian, ZHONG Haiyan (97)
Effects of cadmium stress on chlorophyll fluorescence and photosynthetic biochemical characteristics in leaves of <i>Solanum nigrum</i>	TANG Xinglin, JIN Hongping, ZHOU Chen, LIU Guangzheng, WANG Liyan (102)
Effects of Pb, Zn stresses on <i>Litsea cubeba</i> (Lour.) Pers. seedling physiological and biochemical characteristics	HU Wenli, LI Peiwang, LI Changzhu, JIANG Lijuan, ZHANG Liangbo, CHEN Jingzhen, MA Yingzi (109)
Comparison of three heavy metal contents in 29 ornamental trees in Beijing garden green land	LAN Xinyu, XIE Yingran, CHENG Jiaxue, WAN Yingling, ZHANG Xin, LIU Yan (115)
Research on changing trend of forestry industry structure based on grey-Markov model: a case study of state-owned forest area in Heilongjiang province	LYU Jiehua, LIU Yandi, WANG Xiaohan (122)

English Editors: WU Bin