

ISSN1003-8981
CODEN JYANE6

经济林研究

NON-WOOD FOREST RESEARCH



全国中文核心期刊
中国科技核心期刊
中国高校优秀科技期刊
RCCSE中国核心学术期刊

3

2019

第37卷 第3期
Volume 37 Number 3

中国林业科技大学 主办



科学出版社 出版

经济林研究

JINGJILIN YANJIU

第 37 卷 第 3 期 2019 年 9 月

目 次

研究论文

氮磷钾配比施肥对油茶花芽生长及分化的影响

.....袁小军, 周幼成, 吴喜昌, 罗 帅, 郭和平, 葛晓宁, 袁雅琪 (1)

不同沙棘品种物候期及果实主要性状调查.....王洪江, 张海旺, 张文臣, 于忠峰, 纪连军 (9)

多穗柯 4- 香豆酸辅酶 A 连接酶基因的克隆和表达分析

.....邢朝斌, 冯若宣, 王志焱, 张妍彤, 王 卓, 黄 剑, 龙月红 (16)

蓖麻枝叶形态特征对蒴果性状的影响.....魏海林, 王小卉, 黄 璜, 李绪孟 (22)

阿克苏市灰枣园净生态系统碳交换特征及其对气象因子的响应

.....赵经华, 马英杰, 郑 明, 洪 明 (30)

无患子硬枝扦插进程插穗内源激素和多酚类物质含量变化

.....韩继红, 邵文豪, 刘金凤, 刁松锋 (37)

模拟酸雨对元宝枫幼苗生理及叶绿素荧光参数的影响

.....荣立苹, 张佳奇, 赵东辉, 陈家硕, 刘继生, 周 燕, 高玉福 (44)

早实核桃芽接愈伤形成过程扫描电镜观察

.....赵登超, 刘丙花, 舒秀阁, 梁 静, 李萍萍, 贾 明, 王小芳, 魏红军 (52)

油茶采穗圃春梢矿质元素含量变化规律分析.....龙 伟, 王开良, 吕乐燕, 姚小华 (57)

不同冷冻温度对‘清香’去青皮鲜核桃冻藏期间品质的影响

.....陈 柏, 顾敏华, 吴小华, 王学喜, 景鑫鑫, 于 江, 虎云青, 杨中杰 (65)

立地条件对泡核桃生长结实的影响

.....谢代祖, 李升星, 覃柳霞, 韦 林, 韦 艺, 李运飞, 赵志珩, 韦 丹, 李 露, 韩俊严 (73)

基于 SLAF-seq 技术的金花茶 SNP 标记开发及遗传分析

.....刘 凯, 李开祥, 韦晓娟, 梁文汇, 王 坤 (79)

火龙果不同月龄枝条的叶绿体超微结构及叶绿素荧光特性

.....刘 涛, 沃林峰, 应建平, 毛文龙, 杨丽娜, 房明华, 胡渊渊 (84)

[期刊基本参数] CN 43—1117/S*1983*q*A4*208*zh + en* ¥40.00*800*30*2019-09

薄壳山核桃‘Mahan’品种果实动态发育分析及营养物质积累规律研究

.....常 君,任华东,姚小华,杨水平,王开良,张成才(90)

3个蓝靛果品种果实生物活性物质含量及抗氧化性的比较.....孙 晶(95)

2个油茶品种及6个近缘种的光合特性日变化规律

.....吴晓龙,唐 正,吴 毅,曹基武,李 琪,马 斌,陈永忠,孙敏红,李娇婕(101)

蓝莓根系形态对不同肥种的响应特征及模糊综合评价.....刘臣艳,王德炉(110)

枣果质地发育动态分析

.....禄彩丽,张 梅,刘伟锋,魏喜喜,宋 健,刘隋赟昊,杨文英,张 磊,李建贵(119)

猕猴桃园套种蕺菜对土壤养分、酶活性及果实品质的影响

.....李 磊,龙友华,尹显慧,吴小毛,杨再福,张竹竹,舒 然(128)

卫生采伐对新源县退化野苹果无性繁殖与更新的影响

.....朱璐辉,刘立强,廖 康,秦 伟,孔维亨,邓 雪,程 功(138)

贵州不同种源棕榈苗期生长性状比较及评价.....王婷婷,韦小丽,张 兰(146)

山西野生沙棘结实性状和果实营养成分研究

.....陈汉鑫,李晓庆,王 林,王升级,解 庆,韩有志(153)

除草剂草甘膦对板栗根际土壤微生物多样性的影响

.....吴 静,陈岩岩,叶项宇,徐碧林,郑永良(161)

近成熟期及采后晾晒的油茶种仁淀粉与油脂含量研究

.....何超银,梁 琴,吴鸿廷,曾艳玲(168)

观赏桃未成熟胚子叶再生植株的研究.....龙 达,刘卫东,张艳萍,张 雕(173)

‘贝达’砧木嫁接9个酿酒葡萄品种产量及果实品质的比较

.....高 展,王海鸥,蒋丽丽,周 龙,杨小平,杜展成(180)

研究简报

美国‘白果’南天竹扦插技术及插穗生根类型研究.....任雪玲(188)

宁夏枸杞春季霜冻指标研究.....肖 芳,段晓凤,李红英,张 磊,卫建国,桑 婧(193)

冷害环境下遮阴处理对大果榛子萌芽生长的影响

.....王德新,张 晏,段安安,逢宏扬,龙作义,李丽萍(198)

贮藏温度对4种观赏桃花粉贮藏特性的影响.....张艳萍,刘卫东,龙 达,闫杰伟(203)

本期执行编辑:伍敏涛

英文编辑:闻 丽

NON-WOOD FOREST RESEARCH

Sep. 2019 Vol. 37 No. 3

CONTENTS

Effects of N, P and K proportional fertilization on flower bud growth and differentiation in <i>Camellia oleifera</i>	YUAN Xiaojun, ZHOU Youcheng, WU Xichang, LUO Shuai, GUO Heping, GE Xiaoning, YUAN Yaqi (1)
Investigation on phenological periods and main fruit characteristics of different cultivars of seabuckthorn	WANG Hongjiang, ZHANG Haiwang, ZHANG Wenchen, YU Zhongfeng, JI Lianjun (9)
Cloning and expression analysis on 4-coumarate-CoA ligase gene in <i>Lithocarpus polystachyus</i>	XING Zhaobin, FENG Ruoxuan, WANG Zhiyan, ZHANG Yantong, WANG Zhuo, HUANG Jian, LONG Yuehong (16)
Effects of morphological characteristics of branches and leaves in <i>Ricinus communis</i> on capsule characteristics	WEI Hailin, WANG Xiaohui, HUANG Huang, LI Xumeng (22)
Net ecosystem carbon exchange characteristics and its response to meteorological factors in Grey Jujube orchard of Aksu City	ZHAO Jinghua, MA Yingjie, ZHENG Ming, HONG Ming (30)
Content changes of endogenous hormone and polyphenols during hardwood cuttage progress in <i>Sapindus mukorossi</i>	HAN Jihong, SHAO Wenhao, LIU Jinfeng, DIAO Songfeng (37)
Effects of simulated acid rain on physiology and chlorophyll fluorescence parameters in <i>Acer truncatum</i> seedlings	RONG Liping, ZHANG Jiaqi, ZHAO Donghui, CHEN Jiashuo, LIU Jisheng, ZHOU Yan, GAO Yufu (44)
Scanning electron microscopy observation on callusformation during bud-grafting of early-bearing walnut varieties	ZHAO Dengchao, LIU Binghua, SHU Xiuge, LIANG Jing, LI Pingping, JIA Ming, WANG Xiaofang, WEI Hongjun (52)
Analysis on change regularity of mineral elements contents in <i>Camellia oleifera</i> spring shoots from cutting orchard	LONG Wei, WANG Kailiang, LÜ Leyan, YAO Xiaohua (57)
Effects of different freezing temperatures on quality of peeled fresh 'Qingxiang' walnut during freezing storage	CHEN Bai, XIE Minhua, WU Xiaohua, WANG Xuexi, JING Xinxin, YU Jiang, HU Yunqing, YANG Zhongjie (65)
Effects of site conditions on growth and bearing of <i>Juglans sigillata</i>	XIE Daizu, LI Shengxing, QIN Liuxia, WEI Lin, WEI Yi, LI Yunfei, ZHAO Zhiheng, WEI Dan, LI Lu, HAN Junyan (73)
Development and genetic analysis on SNP sites from <i>Camellia nitidissima</i> based on SLAF-seq technology	LIU Kai, LI Kaixiang, WEI Xiaojuan, LIANG Wenhui, WANG Kun (79)
Chloroplast ultrastructure and chlorophyll fluorescence characteristics of different months old branches in <i>Hylocereus undulatus</i>	LIU Tao, WO Linfeng, YING Jianping, MAO Wenlong, YANG Lina, FANG Minghua, HU Yuanyuan (84)
Dynamic development and nutrient accumulation regularity in <i>Carya illinoensis</i> 'Mahan' nut	CHANG Jun, REN Huadong, YAO Xiaohua, YANG Shuiping, WANG Kailiang, ZHANG Chengcai (90)
Comparison of bioactive component contents and antioxidant activities in three varieties of <i>Lonicera caerulea</i> fruits	SUN Jing (95)
Diurnal variation regulations of photosynthetic characteristics in two <i>Camellia oleifera</i> cultivars and six related <i>C. oleifera</i> species	WU Xiaolong, TANG Zheng, WU Yi, CAO Jiwu, LI Qi, MA Bin, CHEN Yongzhong, SUN Minhong, LI Jiaojie (101)
Response characteristics of root morphology of blueberry to different fertilizers and fuzzy comprehensive evaluation	LIU Chenyan, WANG Delu (110)
Analysis on development dynamics of jujube fruit texture	LU Caili, ZHANG Mei, LIU Weifeng, WEI Xixi, SONG Jian, LIU-SUI Yunhao, YANG Wenying, ZHANG Lei, LI Jiangui (119)
Effects of intercropping <i>Houttuynia cordata</i> on soil nutrients, soil enzyme activity and fruit quality in kiwifruit orchard	LI Lei, LONG Youhua, YIN Xianhui, WU Xiaomao, YANG Zaifu, ZHANG Zhuzhu, SHU Ran (128)
Effects of health cutting on asexual propagation and renewing of degraded <i>Malus sieversii</i> in Xinyuan County	ZHU Luhui, LIU Liqiang, LIAO Kang, QIN Wei, KONG Weiheng, DENG Xue, CHENG Gong (138)
Comparison and evaluation of growth characteristics in <i>Trachycarpus fortunei</i> seedlings from different provenances in Guizhou	WANG Tingting, WEI Xiaoli, ZHANG Lan (146)
Fruiting characters and nutrient components of wild <i>Hippophae rhamnoides</i> in Shanxi	CHEN Hanxin, LI Xiaoqing, WANG Lin, WANG Shengji, XIE Qing, HAN Youzhi (153)
Effects of herbicide glyphosate on microbial diversity in <i>Castanea mollissima</i> rhizosphere soil	WU Jing, CHEN Yanyan, YE Xiangyu, XU Bilin, ZHENG Yongliang (161)
Study on starch and oil contents in kernels at near mature stage and air-dried kernels after harvested in <i>Camellia oleifera</i>	HE Chaoyin, LIANG Qin, WU Hongting, ZENG Yanling (168)
Study on plantlet regeneration from immature embryonic cotyledons in ornamental peach	LONG Da, LIU Weidong, ZHANG Yanping, ZHANG Diao (173)
Comparison of yield and fruit quality in nine wine grape cultivars grafted with 'Beida' rootstock	GAO Zhan, WANG Haiou, JIANG Lili, ZHOU Long, YANG Xiaoping, DU Zhancheng (180)
Research on cutting techniques and cuttings rooting type in American <i>Nandina domestica</i> 'Alba'	REN Xueling (188)
A study on indexes of spring frost damage in <i>Lycium barbarum</i>	XIAO Fang, DUAN Xiaofeng, LI Hongying, ZHANG Lei, WEI Jianguo, SANG jing (193)
Effects of shade treatment on germination and growth of hybrid hazelnut under chilling injury condition	WANG Dexin, ZHANG Yan, DUAN An'an, PANG Hongyang, LONG Zuoyi, LI Liping (198)
Effects of storage temperatures on pollen storage characteristics in four ornamental peach cultivars	ZHANG Yanping, LIU Weidong, LONG Da, YAN Jiawei (203)

English Editor: WEN Li