

全国中文核心期刊  
中国科技核心期刊  
中国科学引文数据库来源期刊  
RCCSE中国核心学术期刊

ISSN 2095-0756  
CODEN ZNDXBB

# 浙江农林大学学报

JOURNAL OF  
ZHEJIANG A&F UNIVERSITY

2018年6月 第35卷 第3期  
Vol. 35 No. 3 Jun. 2018



中国 浙江 杭州  
HANGZHOU ZHEJIANG CHINA



万方数据

# 浙江农林大学学报

Zhejiang Nonglin Daxue Xuebao

2018年6月20日

第35卷 第3期

## 目 次

酸化猪炭对土壤中不同形态磷质量分数及相互转化的影响	王秋月, 杨 兴, 何丽芝, 陆扣萍, 车 磊, 袁国栋, 王海龙 (387)
炭化条件对猪粪水热炭主要营养成分的影响	张 曾, 单胜道, 吴胜春, 宋成芳 (398)
丝栗栲林下土壤有机碳及其组分的时空年变化特征	戴奥娜, 刘肖肖, 王 兵, 戴 伟 (405)
不同种桉树人工林土壤呼吸速率时空动态及其影响要素	竹万宽, 陈少雄, Roger ARNOLD, 王志超, 许宇星, 杜阿朋 (412)
植物-土壤反馈作用对2种引进树种的菌根侵染率和生物量的影响	陈璐璐, 雷妮娅 (422)
EDTA和有机酸对毛竹修复重金属污染土壤的强化作用	叶朝军, 吴家胜, 钟 斌, 陈俊任, 郭 佳, 徐美贞, 柳 丹 (431)
基于三维模型 ENVI-met 对黑河森林和北方森林的潜热及显热通量模拟	朱宇颐, 解潍嘉, 黄华国 (440)
不同立地杉木家系幼林生长差异	何贵平, 徐金良, 徐永勤, 陈永辉, 沈凤强, 徐卢雨 (453)
米老排人工林皆伐迹地种子天然更新林密度调控效应	唐继新, 雷渊才, 曾 冀, 李忠国, 李武志, 农良书, 赵 总 (459)
不同光强处理对三叶青光合特性的影响	徐琳煜, 刘守赞, 白 岩, 丁 恒, 胡晓甜, 吴学谦, 许海顺, 郑炳松 (467)
短波紫外线结合热处理对黄瓜冷害及抗氧化代谢的影响	郝佳诗, 王 愈, 尹建云, 杨虎清 (476)
云南松解剖特征及其对外界刺激的响应	熊 晖, 陆雪佳, 杨文云, 黎思国, 高成杰, 刘方炎, 李 昆 (483)
水稻种子休眠特性与耐藏性的关系	陈志超, 黄婷婷, 王 洋, 吴洪恺, 陈璋琦, 陶若芙 (490)
紫斑牡丹种子休眠原因初探	仇云云, 崔 健, 刘 雪, 蒋亚蓉, 张 艳, 袁 涛 (497)
4种木兰属植物花粉萌发特性	俞 芹, 王倩颖, 王宁杭, 王型力, 范李节, 张明如, 申亚梅 (505)
升金湖湿地土地利用对鹤类栖息地及种群数量的影响	董 斌, 彭文娟, 陈凌娜, 黄 慧, 叶小康, 朱 鸣, 吕 典, 倪燕华, 赵抗抗, 张双双 (511)
辐射松重组木密度对其孔隙率和性能的影响	魏金光, 韦亚南, 鲍敏振, 张亚慧, 余养伦, 李长贵, 于文吉 (519)
基于响应面法的不同锯料角锯齿的木材切削力模型	李伟光, 张占宽 (524)
不同距离气象数据对细小可燃物含水率预测模型精度的影响	张 恒, 孙子健, 张运林, 金 森, 王玉霞 (529)
浙江省集体林区农户林下经济经营意愿及其影响因素	胡晓君, 续竞秦, 何丹华, 张念如, 郑轶枫 (537)
生态治理模式下生猪养殖业污水智慧监管	武新梅, 周素茵, 徐爱俊 (543)
<b>文献综述</b>	
植物嫁接砧穗愈合机制研究进展	刘婧冉, 杜长霞, 樊怀福 (552)
<b>研究简报</b>	
木质素及溴化木质素对合成环氧树脂热性能的影响	丁婷婷, 李 倩, 金贞福 (562)
伴矿景天叶片愈伤组织诱导及植株再生	张 路, 丁 晗, 桂和荣 (567)
芸香叶片和花瓣释放挥发性有机物成分及其变化规律	蒋冬月, 李永红, 沈 鑫 (572)
简讯: 2017年浙江农林大学科研成果丰硕	(566)

期刊基本参数: 33-1370/S\*1984\*b\*A4\*194\*zh\*P\*¥20.00\*1 200\*25\*2018-06-20

## Contents

- Concentration and fractionation of phosphorous in soils with acidulated pig biochar  
..... WANG Qiuyue, YANG Xing, HE Lizhi, et al. (387)
- Carbonization with main nutrients in pig manure hydrochar  
..... ZHANG Zeng, SHAN Shengdao, WU Shengchun, et al. (398)
- Annual spatial and temporal variations of soil organic carbon and its components in *Castanopsis fargesii* forest  
..... DAI Aona, LIU Xiaoxiao, WANG Bing, et al. (405)
- Temporal and spatial dynamics of soil respiration and influencing factors in *Eucalyptus* plantations  
..... ZHU Wankuan, CHEN Shaoxiong, Roger ARNOLD, et al. (412)
- Plant-soil feedback with arbuscular mycorrhizal fungi colonization and biomass of two introduced tree species  
..... CHEN Lulu, LEI Niya (422)
- Effects of EDTA and organic acid on phytoremediation of heavy metal contaminated soil by *Phyllostachys edulis*  
..... YE Chaojun, WU Jiasheng, ZHONG Bin, et al. (431)
- Modeling sensible flux and latent flux in Heihe and boreal forests based on a 3D ENVI-met model  
..... ZHU Yuyi, XIE Weijia, HUANG Huaguo (440)
- Growth differences and selection of Chinese fir families in young plantations with different site conditions  
..... HE Guiping, XU Jinliang, XU Yongqin, et al. (453)
- Tree density and growth of *Mytilaria laosensis* stands with natural seed regeneration on clearcut land  
..... TANG Jixin, LEI Yuancai, ZENG Ji, et al. (459)
- Effects of light intensity treatments on photosynthetic characteristics in *Tetrastigma hemsleyanum*  
..... XU Linyu, LIU Shouzan, BAI Yan, et al. (467)
- Chilling injury and antioxidative metabolism in cucumber with combined UV-C and heat treatment  
..... HAO Jiashi, WANG Yu, YIN Jianyun, et al. (476)
- Anatomical characteristics of resin ducts and its response to external stimuli in *Pinus yunnanensis*  
..... XIONG Hui, LU Xuejia, YANG Wenyun, et al. (483)
- Dormancy characteristics and seed storage tolerance in rice  
..... CHEN Zhichao, HUANG Tingting, WANG Yang, et al. (490)
- Primary studies with *Paeonia rockii* seed dormancy ..... QIU Yunyun, CUI Jian, LIU Xue, et al. (497)
- Pollen germination characteristics of four *Magnolia* species  
..... YU Qin, WANG Qianying, WANG Ninghang, et al. (505)
- Influence of land-use change on the crane habitat and population in Shengjin Lake Wetland  
..... WANG Cheng, DONG Bin, PENG Wenjuan, et al. (511)
- Effect of density on porosity and physical-mechanical properties of high-performance scrimbers  
..... WEI Jinguang, WEI Yanan, BAO Minzhen, et al. (519)
- Modeling the cutting force in wood sawing with different radial clearance angles based on a response surface methodology ..... LI Weiguang, ZHANG Zhankuan (524)
- Distance of meteorological data from test site and fine fuel forecast model accuracy  
..... ZHANG Heng, SUN Zijian, ZHANG Yunlin, et al. (529)
- Households' willingness to develop under-forest economy and its determinants in collective forest areas of Zhejiang ..... HU Xiaojun, XU Jingqin, HE Danhua, et al. (537)
- Smart monitoring of hog sewage under ecological treatment mode  
..... WU Xinmei, ZHOU Suyin, XU Aijun (543)
- Review**
- Research advance on healing mechanism of plant grafting  
..... LIU Jingran, DU Changxia, FAN Huaiju (552)
- Scientific notes**
- Effects of lignin and brominated lignin on the thermal properties of epoxy resin  
..... DING Tingting, LI Qian, JIN Zhenfu (562)
- Callus induction from leaf and plant regeneration of *Sedum plumbizincicola*  
..... ZHANG Lu, DING Han, GUI Herong (567)
- Components and variations of volatile organic compounds released from leaves and flowers of *Ruta graveolens*  
..... JIANG Dongyue, LI Yonghong, SHEN Xin (572)