

(2017 年 7 月)

目 次

• 森林资源建设与保护 •

- 截顶后红松幼树光合生理响应研究 Nguyen Thanh Tuan, 沈海龙, 王琴香, 张鹏, Vu Dinh Duy (1)
- 森林城市总体规划中的“多方融合”策略
——以赤水市省级森林城市建设规划为例 吴雪姣, 江舒楠, 白新祥 (8)
- 张广才岭三大硬阔树高曲线的研究 张树森, 董利虎 (15)
- 基于机载全波形 LiDAR 数据的森林地上生物量估测算法研究 邢艳秋, 姚松涛, 李梦颖, 谢杰, 闫灿 (21)
- 一种评价园林树种抗火性的综合方法 周勇, 章林, 梁纪杰, 王晓娜, 张吉龙, 孙景花 (27)

• 木材科学与工程 •

- 泡桐木材主要物理特征及化学组分对其声学振动性能的影响 秦丽丽, 苗媛媛, 刘镇波 (34)
- 基于灰度共生矩阵和模糊 BP 神经网络的木材缺陷识别 牟洪波, 王世伟, 戚大伟, 倪海明 (40)
- 森工技术与装备 •
- 变论域模糊 PID 在微碳汇测量系统中的仿真研究 于越, 宋文龙, 王琢 (44)
- 电催化氧化法处理含油污水的实验研究 阚连宝, 丁思棋, 宋亚瑞, 钟适谦 (49)
- 一种柱塞式气力缓冲器结构与性能研究 徐辉, 露思宇, 王希妍, 王志军, 孟春 (55)
- 基于嵌入式控制器的微型植物工厂系统设计 贾鹤鸣, 朱传旭, 宋文龙, 杨泽文 (58)
- 焊缝横向裂纹 TOFD 检测研究 宋绵, 邢涛 (65)
- 基于木塑 SLS 的图片转浮雕模型 3D 打印及后处理研究 李健, 赵一锦, 赵永政, 郭艳玲 (70)
- 侧开门集装箱侧翼和门锁的设计 刘静, 沈微, 余浪, 韩月, 裴益莹 (74)

• 道路与交通 •

- 高铁客运枢纽接驳交通设施服务质量模糊综合评价 塔建, 裴玉龙 (78)
- 盾构隧道端头杯型冻结壁温度场数值优化分析 罗婷, 胡俊, 卫宏 (83)
- 汽车动力总成悬置系统隔振特性仿真优化 樊攀, 包汉伟 (89)
- 汽车转向系统综合刚度测量试验装置研究 李胜琴, 陈汝春, 王乾浩, 王哲, 刘启元 (94)

• 建筑与材料 •

- 钢-竹组合箱形梁抗剪性能试验 何佳伟, 李玉顺, 李冉, 吕博 (98)

• 物流与管理 •

- 野生林果供应链风险分析与控制研究 王雅提, 李洋, 马成林 (103)

CONTENTS

• Forest Resources Development and Conservation •

- Response of Photosynthetic Physiology to Top Pruning of Young *Pinus Koraiensis*
..... Nguyen Thanh Tuan, Shen Hailong, Wang Qinxiang, Zhang Peng, Vu Dinh Duy(1)
- “Fusion” Strategy in the Planning of Forest Urban Construction: Analysis the Provincial Forest Urban
Construction Planning of Chishui City Wu Xuejiao, Jiang Shunan, Bai Xinxiang(8)
- Tree Height – diameter Model for Three Hardwood Tree Species in the Zhangguangcai Mountains
..... Zhang Shusen, Dong Lihu(15)
- Estimation Algorithm of Forest Aboveground Biomass Based on Airborne Full – waveform LiDAR Data
..... Xing Yanqiu, Yao Songtao, Li Mengying, Xie Jie, Yan Can(21)
- A Comprehensive Method for Evaluating Anti – fire of Garden Tree Species
..... Zhou Yong, Zhang Lin, Liang Jijie, Wang Xiaona, Zhang Jilong, Sun Jinghua(27)

• Wood Science and Engineering •

- Influence of The Main Physical Characteristics and Components Content of *P. elongata* on Acoustic Vibration Performance
..... Qin Lili, Miao Yuanyuan, Liu Zhenbo(34)
- Wood Defects Recognition Based on Gray – level Co – occurrence Matrix and Fuzzy BP Neural Network
..... Mu Hongbo, Wang Shiwei, Qi Dawei, Ni Haiming(40)

• Forest Engineering Technology and Equipment •

- Simulation of Variable Universe Fuzzy PID in the Micro Carbon Sink Measurement System
..... Yu Yue, Song Wenlong, Wang Zhuo(44)
- Experimental Study on the Treatment of Oily Wastewater by Electro – catalytic Oxidation
..... Kan Lianbao, Ding Siqi, Song Yarui, Zhong Shiqian(49)
- Study on Structure and Performance of A Plunger Pneumatic Buffer
..... Xu Hui, Huang Fanyu, Lu Siyu, Wang Xiyan, Wang Zhijun, Meng Chun(55)
- Design of Mini – Plant Factory System Based on Embedded Controller
..... Jia Heming, Zhu Chuanxu, Song Wenlong, Yang Yiwen(58)
- Research on the TOFD Detection of Transverse Crack in Bult Weld Song Mian, Xing Tao(65)
- 3D Printing and Afterprocessing Research Based on Wood – plastic SLS Images Turning to Emboss Model
..... Li Jian, Zhao Yijin, Zhao Yongzheng, Guo Yanling(70)
- Design of Side Flaps and Door Lock for Open Side Containers
..... Liu Jing, Shen Wei, Yu Lang, Han Yue, Pei Yiyi(74)

• Road and Transportation •

- Fuzzy Synthetic Evaluation of Connecting Facility Service Quality in High – speed Railway Passenger Transport Hub
..... Tan Jian, Pei Yulong(78)
- Numerical Optimization Analysis of Temperature Field with Shield Tunnelling Cup – shaped Freezing Wall
..... Luo Ting, Hu Jun, Wei Hong(83)
- Vibration Isolation Performance Simulation and Optimization of Vehicle Powertrain Mounting System
..... Fan Pan, Bao Hanwei(89)
- Research on the Comprehensive Stiffness Measurement Testing Device of Automobile Steering System
..... Li Shengqin, Chen Ruchun, Wang Qianhao, Wang Zhe, Liu Qiyuan(94)

• Construction and Material •

- Experimental Investigation on Shearing Behavior of Box Section Bamboo – steel Composite Beams
..... He Jiawei, Li Yushun, Li Ran, Lv Bo(98)

• Logistics and Management •

- Risk Analysis and Control of Wild Forest Fruit Supply Chain Wang Yati, Li Yang, Ma Chenglin(103)