

科学引文数据库(SCD)源期刊
RCCSE中国核心学术期刊
中国科技核心期刊

ISSN1001-005X
CN23-1388/S

森林工程

FOREST ENGINEERING

第29卷
Vol. 29

第4期
No. 4

2013

ISSN 1001-005X



9 771001 005134

中国林学会森林工程分会

SEN LIN GONG CHENG

(2013 年 7 月)

目 次

· 森林资源建设与保护 ·

- 密度结构对大青川红松人工林细根生物量与根长密度的影响 陈硕芄,王韶仲,王政权,谷加存 (1)
- 利用 MISR 遥感数据反演小兴安岭地区森林叶面积指数 赵 妍,范文义,王鹤霖,杨晓琴,杨国舜 (8)
- 基于小波多尺度的林业害虫图像边缘检测 姜 滨,曹 军,崔 莉 (14)
- 基于 IUCN 的山西省重点保护野生植物受威胁状态评估 卢怡萌,张殷波 (18)
- 阔叶红松林物种多样性变化对土壤性质的影响 李瑛云,宋 森,张艳波,刘 邦 (24)
- 影响漾濞泡核桃树生长结实的主要因素及应对措施 赵家全 (30)
- 榆树脐腹小蠹坑道真菌研究 徐 阳,朱晓梅,刘雪峰 (35)
- 基于红松胸径与树高相关模型的研究 顾凤岐,王 艳 (39)

· 装备与技术 ·

- 基于森林类型光谱特征的最佳波段选择研究
——以 HJ/1A 高光谱影像为例 李俊明,邢艳秋,杨 超 (42)
- 东北林区十个树种冻结活立木中应力波传播速度试验研究 高 珊,王立海,王 洋 (47)
- 基于 Matlab 蓝莓树枝轴向有阻尼自由振动仿真研究 李志鹏,赵德金,郭艳玲 (53)
- 小型电子产品流水线生产线设计模型的研究 潘继承,姜雪松,李东宸 (56)
- 汽车气囊吸能式保险杠的研究 杨 瑞,刘金龙 (60)
- 林木风倒动态模型的建立与分析 贾 杰,李静辉 (63)
- ArcGIS 快速制图技术在占用征收林地制图中的应用 崔彦军,李红山,范丽红 (68)
- 山竹果皮抗氧化活性成分的超声提取工艺 张晓军,李春英,刘帅华,刘德曼,李 朝,施昆明,赵春建 (70)

· 物流与信息 ·

- 基于 WSN 的山洪监测节点布设与工程实现的研究 苏健民,张捐净,刘嘉新 (74)
- GPS 天线相位中心检定方法的研究 王建宇,初 照,郑加柱 (79)
- 林业监测无线传感器网络中的高效信号设计 王铎滨,王克奇 (83)
- 基于循环取货模式的车辆路径优化研究 张利城,吴金卓,何 荣 (86)
- 热网监控系统的设计与实现 李志刚,孙丽萍,刘嘉新 (90)

· 交通与运输 ·

- 道路安全评价的投影——人工鱼群算法研究 孙凤英,王华庆,张梅美 (96)
- 基于发动机性能试验台的变组分富氧进气监控装置设计 韩冰源,金 鑫,彭 帅,孙中鑫,宫世雯,李洪亮 (100)
- 含水率和附加荷载对北黑高速公路滑坡路段土体弹性模量影响研究 单 炜,张 维 (103)
- 基于 ADVISOR 的混联式混合动力汽车仿真分析 王 波 (108)
- 一种基于集散系数修正的乘客 OD 推算方法
——以哈尔滨市某公交线路为例 丁柏群,刘 艳 (112)
- 双幅同步转体施工 T 型刚构桥设计浅析 赵云鹏 (117)
- 预应力孔道压浆掺亚硝酸钙改善浆体性能研究 熊慧中,张立光,田清文 (120)

· 建筑与材料 ·

- 深大基坑空间内支撑结构整体受力性能研究 蒋峻峰,姚顺忠,吴永红 (124)
- 玉米秸秆皮碎料/木材纤维复合板工艺研究 张召召,张显权,吕海翔 (128)
- 现代欧式实木门仿古涂饰技术分析 高万辉,孙建平,单海滨 (134)
- 意杨酚醛树脂单板层积材吸水特性及其与静曲弹性模量的关系 王 静,蒋峻峰,董春雷 (137)
- 现代家具结构设计的科学方法 张 杰,任忠先 (141)

· 教学与改革 ·

- “道路工程”重点课程建设实践与探讨 林文树,董希斌,吴金卓 (145)
- 森林工程专业“机械可靠性设计”课程创新教学实践初探 胡志栋,姜继海 (148)
- “商品与物料学”重点课程建设与实践 孙术发,肖生苓,杨学春,李 洋 (151)
- 基于职业能力需求的工业工程专业主干课程体系结构研究 董春芳,冯国红,朱玉杰,陆 娟,王 巍 (154)
- “生物材料”精品课程的建设与实践 邱明伟,高振华,朱丽滨,顾继友 (158)
- 2013 年度特约青年编委名单 (78)

期刊基本参数: CN23 - 1388/S * 1985 * b * A4 * 160 * zh * P * ¥8.00 * 1000册 * 40 * 2013 - 04

Forest Engineering

(July, 2013)

Vol. 29

No. 4

CONTENTS

• Forest Resources Construction and Conservation •

- Influence of Stand Density on Fine Root Standing Biomass and Length Density in Korean Pine(*Pinus koraiensis*) Plantation in Daqingchuan Forest Farm, Xiaoxing'an Mountain, China Chen Shuopeng, Wang Shaozhong, Wang Zhengquan, Gu Jiacun (1)
- Retrieval of Leaf Area Index in Xiaoxing'an Mountain by Using Remote Sensing Data MISR Zhao Yan, Fan Wenyi, Wang Helin, Yang Xiaoqin, Yang Guoshun (8)
- Image Edge Detection for Forest Pests Based on Wavelet Multi-scale Transform Jiang Bin, Cao Jun, Cui Li (14)
- Endangered States Assessment of the Key Protected Wild Plants in Shanxi Lu Yimeng, Zhang Yinbo (18)
- Influence of Species Diversity on the Soil Properties of Broadleaved Korean Pine Forest Li Yingyun, Song Sen, Zhang Yanbo, Liu Bang (24)
- Major Factors Affecting the Growth and Fruiting of *Juglans sigillata* D. and Countermeasures Zhao Jiaquan (30)
- Study on *Scolytus schweyrewi* Gallery Fungi Xu Yang, Zhu Xiaomei, Liu Xuefeng (35)
- The Research of the Regression Model Between Tree Height and Diameter at Breast Height of Korean Pine Gu Fengqi, Wang Yan (39)

• Machinery and Techniques •

- Study on Optimal Bands Selection Based on Spectral Features of Forest Types: A Case Study of HJ/1A Hyperspectral Image Li Junming, Xing Yanqiu, Yang Chao (42)
- Experimental Study on Stress Wave Propagation Velocity in Frozen Standing Trees of 10 Species in Northeast China Gao Shan, Wang Lihai, Wang Yang (47)
- Axial Damped Free Vibration Simulation of Blueberry Branches Based on Matlab Li Zhipeng, Zhao Dejin, Guo Yanling (53)
- Research on Streamline Model of Small-size Electronic Products Pan Jicheng, Jiang Xuesong, Li Dongchen (56)
- The Study of Vehicle Energy-absorbing Airbag Bumper Yang Rui, Liu Jinlong (60)
- Establishment and Analysis of Dynamical Model for Windthrow of Trees Jia Jie, Li Jinghui (63)
- Application of ArcGIS Fast Mapping Technology in Drawing Decapitated Forest Lands Cui Yanjun, Li Hongshan, Fan Lihong (68)
- An Orthogonal Experiment to Optimize Ultrasonic Extraction Technology of Antioxidant Components in the Extract of Mangosteen (*Garcinia mangostana*) Pericarp Zhang Xiaojun, Li Chunying, Liu Shuaihua, Liu Deman, Li Zhao, Shi Kunming, Zhao Chunjian (70)

• Logistics and Information •

- Research on the Layout of Flash Flood Monitoring Nodes and Engineering Realization Based on WSN Su Jianmin, Zhang Juanjing, Liu Jiabin (74)
- Study on Verification Method of GPS Antenna Phase Center Wang Jianyu, Chu Zhao, Zheng Jiazhu (79)
- Energy Efficient Transmit Signal Design for Forest Monitoring Wireless Sensor Networking Wang Tiebin, Wang Keqi (83)
- Research on Vehicle Route Optimization Based on Milk-in Mode Zhang Licheng, Wu Jinzhao, He Rong (86)
- Design and Implementation of Monitoring and Control System for Heating Network Li Zhigang, Sun Liping, Liu Jiabin (90)

• Traffic and Transportation •

- Study on Road Safety Evaluation Based on Projection-artificial Fish Swarm Algorithm Sun Fengying, Wang Huaqing, Zhang Meimei (96)
- Design of Monitor Device for Variable Components Oxygen-enriched Air Intake Based on Engine Performance Test-bed Han Bingyuan, Jin Xin, Peng Shuai, Sun Zhongxin, Gong Shiwen, Li Hongliang (100)
- The Influence of Moisture Content and Additional Load on Soil Elastic Modulus of Soil Landslide in Bei'an-Heihe Highway Shan Wei, Zhang Wei (103)
- Simulation Analysis of Series-Parallel Hybrid Electric Vehicle Based on ADVISOR Wang Bo (108)
- A Method of Estimating Bus Passengers OD Matrices Based on Distributed Coefficient: A Case Study of A Bus Line in Harbin Ding Baiqun, Liu Yan (112)
- Design and Analysis of Dual Synchronous Rotation Construction of T Type Rigid Frame Bridge Zhao Yunpeng (117)
- The Research of Pre-stressed Duct Grouting Doped Calcium Nitrite to Improve Slurry Performance Xiong Huizhong, Zhang Liguang, Tian Qingwen (120)

• Construction and Material •

- Research on the Overall Force Performance of The Space Inner Strut Structure within Deep Excavation Jiang Junfeng, Yao Shunzhong, Wu Yonghong (124)
- Study on the Composite Made by Corn Stalk Skin Flake Mixed with Wood Fiber Zhang Zhaozhao, Zhang Xianquan, Lv Haixiang (128)
- Analysis on Antique Finishing Processes of Modern European Style Solid Wood Doors Gao Wanhui, Sun Jianping, Shan Haibin (134)
- Soaking Properties of Poplar LVL Bonded with Phenol-Formaldehyde Resin and Its Relationship with Static Bending MOE Wang Jing, Jiang Junfeng, Dong Chunlei (137)
- The Methods of Structure Design for Modern Furniture Zhang Jie, Ren Zhongxian (141)

• Teaching and Innovation •

- Practice and Discussion on the Construction of the Key Course of Road Engineering Lin Wenshu, Dong Xibin, Wu Jinzhao (145)
- Study on Creative Teaching Methods and Practice about Machinery Reliability Design Course for Forest Engineering Major Hu Zhidong, Jiang Jihai (148)
- Construction and Practice on the key Course of Commodity and Materials Sun Shufa, Xiao Shenling, Yang Xuechun, Li Yang (151)
- Study on the Key Curriculum Construction of Industrial Engineering Based on Professional Competence Requirements Dong Chunfang, Feng Guohong, Zhu Yujie, Lu Juan, Wang Wei (154)
- Construction and Practice for Excellent Curriculum of Biomass Materials Di Mingwei, Gao Zhenhua, Zhu Libin, Gu Jiyou (158)

Serial parameters : CN23 - 1388/S * 1985 * b * A4 * 160 * zh * P * ¥8.00 * 1000 Volume * 40 * 2013 - 04