

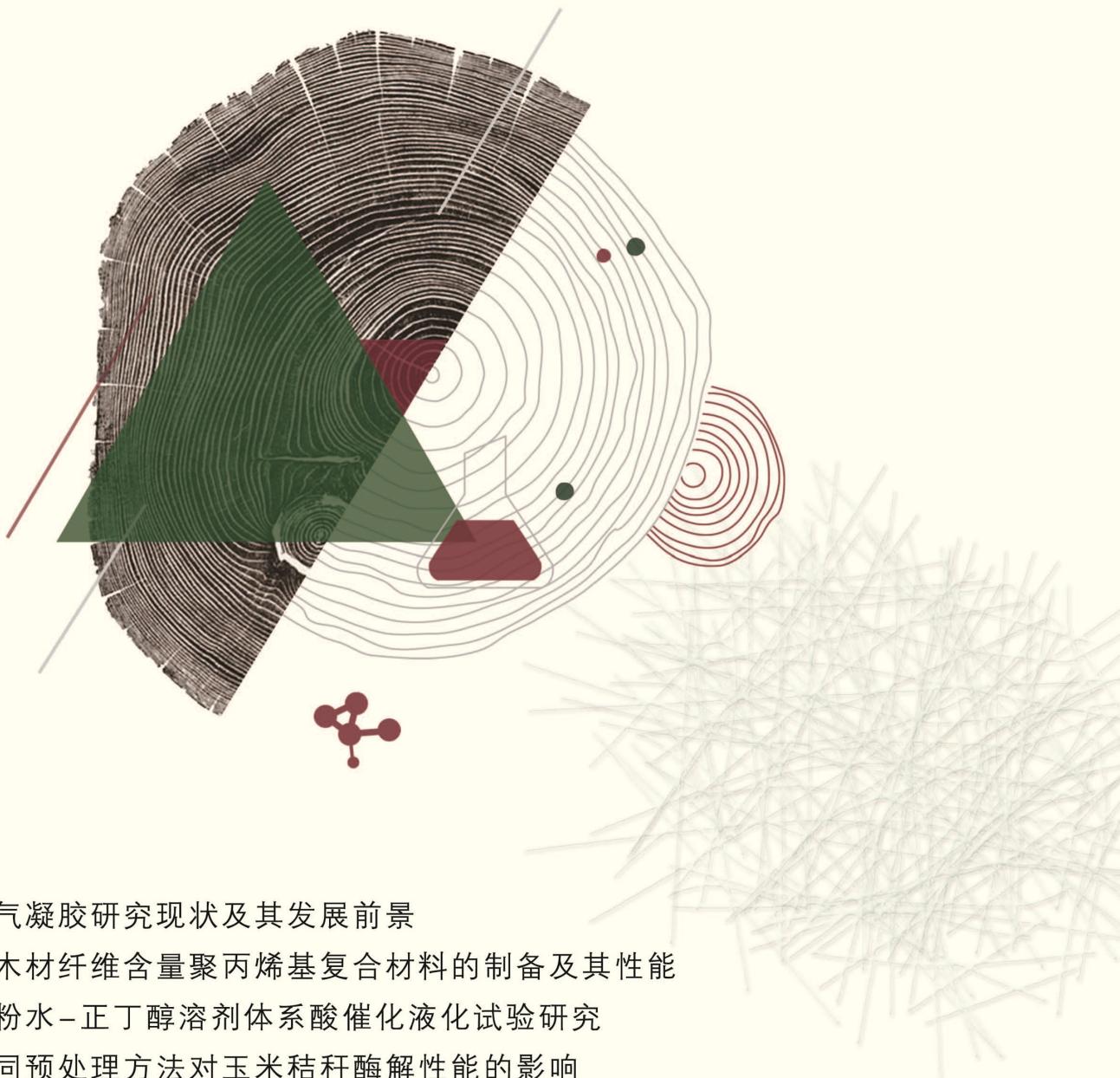
南京林业大学 主办

中文核心期刊 RCCSE中国核心学术期刊
ISSN 2096-1359 CN 32-1862/S

林业工程学报

JOURNAL OF FORESTRY ENGINEERING

2017
第2卷/第2期



- 炭气凝胶研究现状及其发展前景
- 高木材纤维含量聚丙烯基复合材料的制备及其性能
- 竹粉水-正丁醇溶剂体系酸催化液化试验研究
- 不同预处理方法对玉米秸秆酶解性能的影响
- 基于模糊滑模控制的卷纸张力控制系统

特约专稿

- 炭气凝胶研究现状及其发展前景 刘守新, 鄂雷, 李伟, 马春慧 1

木材科学与技术 (栏目执行主编: 吴义强 梅长彤)

- 高木材纤维含量聚丙烯基复合材料的制备及其性能 李正印, 王伟宏 9
三乙酸甘油酯对酚醛树脂固化的影响 曹明, 雷洪, 李涛洪, 郭东亮, 梁坚坤, 杜官本 16
杉木目测等级规格材足尺抗压和拉伸强度的设计值研究 龚迎春, 王朝辉, 江京辉, 骆秀琴, 任海青 22
微纳米黄连的制备及其对木材白腐菌的抑菌性 王洁, 张振新, 王雅梅 28
核壳结构木塑复合材料抗紫外老化性能试验 徐兵, 梅长彤, 潘明珠, 雍成, 王珂 33
铜唑防腐处理对南方松规格材握钉性能的影响 杨保铈, 贺绍均, 陈迎建, 余帆, 朱一辛 39

林产化学加工 (栏目执行主编: 王飞 刘守新)

- 新型丙烯海松酸基双酰胺-噻二唑化合物的合成及生物活性研究 林桂汕, 阮战辉, 段文贵, 刘陆智, 杨章旗 45
竹粉水-正丁醇溶剂体系酸催化液化试验研究 叶俊, 刘朋, 李静, 夏海虹, 王奎, 蒋剑春 52
基于高底物浓度的纤维素酶三段水解桑木粉得率与形貌分析 王燕云, 吴凯, 杨行, 杨静 58
超声-弱碱协同作用下巨龙竹木质素的分离及表征 邓嘉雯, 杨海艳, 史正军, 邓佳, 杨静, 郑志锋, 辉朝茂 64
凝结芽孢杆菌N-乙酰- β -D-氨基葡萄糖苷酶基因的克隆鉴定及酶学性质 夏美娟, 宦才辉, 姜婷, 郑兆娟, 欧阳嘉 70
 β -葡萄糖苷酶合成长胆二糖及产物分离 张林, 王磊, 吴广兴, 勇强, 余世袁 76

生物质能源与材料 (栏目执行主编: 勇强 许凤)

- 蓖麻籽单轴压榨制油临界压缩比模型构建及计算 刘汝宽, 许方雷, 肖志红, 李培旺, 吴红, 张爱华, 李昌珠 83
不同预处理方法对玉米秸秆酶解性能的影响 田庆文, 房桂干, 沈葵忠, 刘雯雯, 梁龙 89
萃取-酯交换耦合法制备生物柴油过程催化剂应用研究进展 武海棠, 许康力, 杨芳霞, 张军华 95
漂白竹浆疏水改性纳米纤丝化纤维素的制备和表征 周静, 沈葵忠, 房桂干, 李漫, 林艳, 邓拥军 101
纤维素纳米晶体对同轴电纺PMMA/PAN复合纳米纤维性能的影响 李超, 宦思琪, 李庆德, 倪晓慧, 刘国相, 程万里, 韩广萍 107
酯化改性木粉制备生物基塑料研究 魏单单, 任金晶, 洪建国 114

装备与信息化 (栏目执行主编: 周宏平)

- 基于模糊滑模控制的卷纸张力控制系统 祝强, 李立君, 高自成 122
原竹段去内节去黄组合刀具结构设计及性能仿真 潘慧, 涂桥安, 林石, 刘英 127
基于BP神经网络的变量喷雾供药系统研究 张敏, 范龙, 代祥, 肖静, 徐幼林 133

森林工程与土建交通 (栏目执行主编: 杨平)

- 多榀木桁架的研究现状与发展趋势 阙泽利, 高一帆, 戈禧芸 138
混合结构对正交胶合木剪力墙抗侧性能的影响 王志强, 罗冬, 郑维, 姚悦, 卢晓宁 145

- 《林业工程学报》稿约 152
关于本刊启用新网址的启事 69

Contents

JOURNAL OF FORESTRY ENGINEERING

Vol. 2, No. 2 Mar. 2017 (No. 8) Bimonthly Since 2016

A review of research progress on carbon aerogel	LIU Shouxin, E Lei, LI Wei, MA Chunhui 1
Preparation and properties of polypropylene based composites with high wood fibers content	LI Zhengyin, WANG Weihong 9
Effects of glyceryl triacetate on curing behavior of phenolic resin	CAO Ming, LEI Hong, LI Taohong, GUO Dongliang, LIANG Jiankun, DU Guanben 16
Design values of compressive and tensile strength for visually graded Chinese fir dimension lumber	GONG Yingchun, WANG Zhaozui, JIANG Jinghui, LUO Xiuqin, REN Haiqing 22
Preparation of micro-nano coptis and its antimicrobial activity on white rot fungi	WANG Jie, ZHANG Zhenxin, WANG Yamei 28
Ultraviolet weathering of HDPE/wood-flour composites with core-shell structure	XU Bing, MEI Changtong, PAN Mingzhu, YONG Cheng, WANG Ke 33
Influence of CuAz-treated southern pine dimension lumber on nail-holding capacity	YANG Baoshi, HE Shaojun, CHEN Yingjian, YU Fan, ZHU Yixin 39
Synthesis and biological activity of novel acrylpimamic acid-based diamide-thiadiazole compounds	LIN Guishan, RUAN Zhanhui, DUAN Wengui, LIU Luzhi, YANG Zhangqi 45
Acidcatalytic liquefaction of bamboo with water/n-butanol and product separation	YE Jun, LIU Peng, LI Jing, XIA Haihong, WANG Kui, JIANG Jianchun 52
Multi-stage enzymatic hydrolysis in high substrate concentration of NaOH-Fenton pretreated mulberry wood	WANG Yanyun, WU Kai, YANG Hang, YANG Jing 58
Isolation and structural characterization of lignin isolated from <i>Dendrocalamus sinicus</i> by ultrasonic-alkaline treatment	DENG Jiawen, YANG Haiyan, SHI Zhengjun, DENG Jia, YANG Jing, ZHENG Zhifeng, HUI Chaomao 64
Molecular cloning and enzymological characteristics of a novel N-acetyl- β -D-glucosaminidase from <i>Bacillus coagulans</i>	XIA Meijuan, HUAN Caihui, JIANG Ting, ZHENG Zhaojuan, OUYANG Jia 70
Synthesis of gentiobiose by β -glucosidase and separation of the product	ZHANG Lin, WANG Lei, WU Guangxing, YONG Qiang, YU Shiyuan 76
Numerical calculation model on critical compression ratio of castor bean in cold uniaxial press	LIU Rukuan, XU Fanglei, XIAO Zhihong, LI Peiwang, WU Hong, ZHANG Aihua, LI Changzhu 83
Effect of different pretreatments on the enzymolysis properties of corn stalk	TIAN Qingwen, FANG Guigan, SHEN Kuizhong, LIU Wenwen, LIANG Long 89
Recent development in application of catalyst to biodiesel production by coupling extraction and transesterification	WU Haitang, XU Kangli, YANG Fangxia, ZHANG Junhua 95
Preparation and characterization of hydrophobic nanofibrillated cellulose fiber from bleached bamboo pulp	ZHOU Jing, SHEN Kuizhong, FANG Guigan, LI Man, LIN Yan, DENG Yongjun 101
Effects of cellulose nanocrystals on the properties of coaxial electrospun PMMA/PAN composite nanofibers	LI Chao, HUAN Siqi, LI Qingde, NI Xiaohui, LIU Guoxiang, CHENG Wanli, HAN Guangping 107
Preparation of bio-based plastics by esterification of wood powder	WEI Dandan, REN Jinjing, HONG Jianguo 114
Study of the paper tension control system based on the fuzzy sliding mode control	ZHU Qiang, LI Lijun, GAO Zicheng 122
Design and simulation of a combined cutting tool for inner section and tabaxir cutting from the natural bamboo section	PAN Hui, TU Qiaoan, LIN Shi, LIU Ying 127
Study on the pesticide-delivery system of variable-rate spraying based on BP neural network	ZHANG Min, FAN Long, DAI Xiang, XIAO Jing, XU Youlin 133
A review of the research of wood girder truss	QUE Zeli, GAO Yifan, GE Xiyun 138
Effect of hybrid structure on lateral load resistance of cross-laminated timber shear wall	WANG Zhiqiang, LUO Dong, ZHENG Wei, YAO Yue, LU Xiaoning 145