

林业工程学报 2017 年第 2 卷 总目次

特约专稿

- 农林生物质材料表面等离子体改性技术研究进展 周晓燕, 陈敏智, 杜官本 1(1)
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(2)
木质素原料制备烃类化合物的研究进展 王飞, 吴真, 张军, 潘青青, 张瑜, 李迅 1(3)
木质素化学催化解聚研究新进展 张学铭, 吴苗, 许凤 1(4)
木竹材防腐技术研究概述 孙芳利, PROSPER Nayebare Kakwara, 吴华平, 钱佳佳, 杨秀树, 饶瑾, 郭明 1(5)
纤维素基复合材料及其在医用方面的研究进展 马明国, 付连花, 李亚瑜, 王斌 1(6)

木材科学与技术

- 木质素基非甲醛木材胶黏剂的研究进展 邸明伟, 王森, 姚子巍 8(1)
大果紫檀等 3 种红木薄板的高频真空干燥 刘洪海, 杨琳, 吴智慧, 蔡英春, 李兴畅 15(1)
天然次生林杉木枝材与干材材性比较 石江涛, 丁笑红, 张勰, 陈磊 20(1)
高温热处理对小白藤材色和视觉心理量的影响 江馥杉, 武恒, 王传贵 25(1)
KH550 改性酚醛树脂层压板电绝缘性能的研究 魏强, 王伟宏 30(1)
低场 NMR 技术测定竹材的纤维饱和点 宋路路, 高鑫, 王新洲, 任慧群, 陈白, 许斌 36(1)
人工林杉木层板分级及性能研究 乔鹭婷, 谢力生, 唐子燊, 徐竹华 41(1)
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(2)
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(2)
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(2)
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(2)
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, 雍宬, 王珂 33(2)
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(2)
木塑复合材料吸声性能的研究现状 朱晓冬, 王梦蝶, 黄金鑫, 李鹏, 张博, 文睿, 刘玉 10(3)
覆面材料对结构保温板力学性能的影响 王雪花, 方露, 陈红, 吴智慧, 费本华 16(3)
热解条件对橡木组成结构与纳米压痕测试结果的影响 徐德良, 丁涛, 李延军, 刘翔, 贾翀, 张洋, 王思群 22(3)
木质素改性脲醛树脂对竹层积材甲醛释放量及胶合性能的影响 刘源松, 关明杰, 张志威, 周文奕 28(3)
重组竹短期抗弯蠕变特性及其微观结构研究 章卫钢, 江文正, 唐荣强 33(3)
木粉/废旧橡胶粉/HDPE 三元复合材料热压法制备工艺 孙妍, 尤立行, 郁辰, 姜彬, 韩景泉, 徐信武 38(3)
蒸煮处理对栓皮栎软木主要物理特性的影响 范一丹, 朱玲燕, 宋孝周 44(3)
结构用指接材制造中工艺参数对齿梳表面粗糙度的影响(英文) 龚蒙, 饶舒展, 李玲 10(4)
竹材表面 ZnO 的低温制备及其防霉性能研究 宋剑刚, 陈永兴, 王进, 何文 19(4)
浸渍法制备磁性木材的磁性和电磁波吸收性能 娄志超, 孙晋强, 陆弘毅, 蔡家斌, 邹璟, 李星, 孙照斌, 何海文 24(4)
低温环境下桦木顺纹抗压强度的研究 江京辉, 于争争, 赵丽媛, 吕建雄, 赵有科 30(4)
木材细胞壁增强改性研究进展 董友明, 张世锋, 李建章 34(4)
DL-SW 微舱设计及对人造板 VOCs 的快速检测 刘婉君, 沈隽, 王启繁 40(4)
大果紫檀水浸液的荧光光谱研究 朱续娜, 张耀丽, 王翔 46(4)
ASD 阻燃剂对落叶松材阻燃性能的影响 宋雨澎, 郭明辉, 龚新超 51(4)
常压等离子体处理对单板表面特性及豆胶胶合的影响 陈敏智, 陈燕, NGUYEN Thiphuong, 周晓燕, 卞杰 9(5)
热油处理对重组竹性能的影响 何文, 宋剑刚, 汪涛, 李军生, 谢凌翔, 杨阳, 吴波, 张齐生 15(5)

- 较大尖削度原木旋切方式的改进研究 李哲锋, 青龙 20(5)
 基于 FT-IR 和 XPS 的热处理白蜡木材色变化机理 丁涛, 彭文文, 李涛 25(5)
 纳米 TiO_2 /硬脂酸超疏水材料的制备与表征 曹坤丽, 吴燕, 曹福才, 朱彦涛, 朱文凯 31(5)
 蒙脱土稳定石蜡基 Pickering 乳液处理材的性能研究 陈玉, 曹金珍 36(5)
 二乙二醇醚增韧改性三聚氰胺-尿素-甲醛树脂的性能 崔举庆, 谢明君, 杨苏, 翁旭, 韩书广, 兰平, 詹先旭, 卢晓宁 10(6)
 等离子体处理对高温干燥杨木单板表面性能的影响 NGUYEN Thiphuong, 陈卫民, 曹倚中, 陈敏智, 周晓燕, NGUYEN Quangtrung, NGUYEN Hongminh 15(6)
 纳米复合浸渍处理对饰面人造板甲醛控释的影响 李昭, 刘玉, 朱晓冬 21(6)
 交趾黄檀和微凹黄檀木材构造及 GC-MS 的辨析 吴青思, 王旋, 夏金尉, 沈丽金, 张耀丽 26(6)
 不同应力状态下榉木弹性常数的研究 胡文刚, 关惠元 31(6)

林产化学加工

- 肉桂醛及其衍生物对木材腐朽菌和霉菌的抑制作用 杨冬梅, 王慧, 李淑君, 袁海舰 46(1)
 新型 4-吡啶基-2-氨基嘧啶类化合物的合成及其生物活性 张齐, 丁志彬, 孙楠, 徐徐, 高聪芬, 王石发 51(1)
 分子筛分步催化降解碱木素制备芳香化学品 程毅, 周自圆, 李瑞, 蒋建新 57(1)
 枫酸烯丙酯的制备、表征及 UV 固化性能研究 卢言菊, 赵振东, 刘娟娟, 古研, 王婧, 陈玉湘 63(1)
 棕榈花苞抗氧化成分提取及体外抗氧化活性研究 刘龙云, 吴彩娥, 李婷婷, 陈宗勇 70(1)
 文冠果子壳活性炭对 Pb^{2+} 的吸附及解吸 郝一男, 王喜明, 红岭, 赵家祺 78(1)
 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(2)
 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(2)
 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(2)
 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(2)
 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(2)
 β -葡萄糖苷酶合成龙胆二糖及产物分离 张林, 王磊, 吴广兴, 勇强, 余世袁 76(2)
 催化槲皮素生成异鼠李素的重组菌构建及其转化条件优化 裴建军, 董萍, 徐菲, 赵东霞, 赵林果, 丁岗, 萧伟 50(3)
 响应面法优化虎杖中虎杖苷和白藜芦醇的匀浆提取 周军, 徐雷涛, 熊曼, 董兰改, 李湘洲 58(3)
 田菁来源半乳甘露低聚糖对青春双歧杆菌的增殖 陆曼妍, 杨磊, 赖晨欢, 周梦怡, 奚晓桐, 余世袁, 勇强 64(3)
 热处理 H-丝光沸石催化 α -蒎烯异构化反应 王雪源, 曾韬 70(3)
 滇橄榄树不同组织原花色素质量浓度及抗氧化性能研究 张伦, 杨申明, 徐成东, 王飞, 胡小安 57(4)
 耐热木聚糖酶基因的克隆表达及其在酶解玉米芯木聚糖中的应用 李琦, 陈明真, 赵林果 63(4)
 活性炭对离子液体的吸附研究 许耀光, 张慧, 黄六莲, 曹石林, 陈礼辉 70(4)
 有机蒙脱土协同壳聚糖基膨胀型阻燃剂阻燃聚乳酸研究 黎航, 刘志鹏, 杨政, 凌敏, 张蕤 77(4)
 $SO_4^{2-}/Ba-TiO_2$ 复合固体超强酸的制备及其酯化性能研究 赵学娟, 岳海芹, 钱祺, 王俪蓉, 何甜甜, 王磊, 李力成 41(5)
 EGCG-Cu 络合物与牛血清蛋白相互作用研究 张亮亮, 徐曼, 胡新宇, 汪咏梅 46(5)
 环氧大豆油作为 PVC 增塑剂的热分解动力学与裂解机理研究 冯国东, 胡云, 许彬, 马艳, 周永红 51(5)
 微生物降解葡萄皮单宁研究 兰平, 马泽宇, 叶柳青, BROSSE Nicolas, CHRUSCIEL Laurent 58(5)
 黑荆树皮原花色素对小鼠急性毒性研究 张伦, 王飞, 刘夏睿 64(5)
 3,3'-(苯亚甲基)双吲哚的合成及其抗真菌活性 王雪莉, 刘飞, 王奇志, 徐曙, 罗金岳 70(5)
 化香果单宁/聚 N,N-二甲基丙烯酰胺水凝胶的制备及细胞黏附性能 胡新宇, 汪咏梅, 张亮亮, 徐曼 37(6)
 油桐籽含油率近红外光谱检测模型的构建 李水芳, 李一帆, 付红军, 李姣娟 45(6)
 聚丙烯酰胺对 TiO_2 复合纸板助留效果的影响 翁景峰, 邱仁辉, 陈礼辉 50(6)
 果胶酶预处理辅助提取沉香精油研究 李明月, 沈华杰, 何海珊, 邱坚 55(6)
 二氧化硅负载磷钨酸催化罗汉柏木烯的异构反应 马莉, 吴光耀, 陈君, 朱凯 60(6)

生物质能源与材料

- 纤维素纳米纤丝增强导电水凝胶的合成与表征 韩景泉, 丁琴琴, 鲍雅倩, 李大纲, 梅长彤, 吴振华, 徐信武 84(1)
丙烯酸/醋酸纤维素超滤膜的改性及制备 许耀光, 张慧, 黄六莲, 郑秋梅, 曹石林, 陈礼辉 90(1)
石墨烯/炭黑导电油墨的制备与性能研究 姬安, 王希, 徐长妍, 石小梅, 连海兰, 施礼纳, 王心怡, 郭露 97(1)
叔丁醇冷冻干燥法制备纳米纤维素气凝胶 王晓宇, 张洋, 江华, 宋宇轩, 周兆兵, 赵华 103(1)
屏蔽法改性木粉制备生物基塑料的研究 丁菲, 杨倩, 陈健强, 叶菊娣, 朱澄月, 洪建国 108(1)
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(2)
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(2)
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(2)
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(2)
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(2)
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(2)
钙离子对木聚糖酶 Xyn10A 热稳定性的影响 陈秀霞, 王亮亮, 张瑜, 李迅, 王飞 76(3)
木材表面组装 PEI/纳米 ZrO₂/FAS 复合薄膜及其性能 张国正, 于海鹏, 刘一星 83(3)
工业碱木质素羟甲基化改性研究 徐强, 孙倩倩, 赵新坤, 曹胜磊, 余雕, 孙润仓 90(3)
苯酚封端蓖麻油基聚氨酯预聚物对苯酚-间苯二酚-甲醛泡沫性能的影响 刘娟, 郭腾飞, 陈日清, 王春鹏, 储富祥 97(3)
响应面优化法研究还原氧化石墨烯的制备(英文) 姬安, 崔运祺, 石小梅, 施礼纳, 王心怡, 徐长妍 103(3)
改性木粉/碱木质素在橡胶中的应用研究 许民, 付禧 84(4)
固定化混合菌利用戊糖和己糖共发酵制备乙醇 江枫, 房伶晏, 王浩, 朱均均, 范一民, 宋向阳 90(4)
氯化胆碱/丙三醇低共熔溶剂改性木质素磺酸钠及其在环氧树脂乳液中的应用 金永香, 刘天勤, 顾忠基, 连海兰 96(4)
纤维素纳米晶体膜及胆甾型液晶图案的制备 张亚运, 万轩, 莫梦敏, 李大纲 103(4)
液氮冷冻干燥法制备纳米纤维素气凝胶 赵华, 张洋, 王晓宇, 宋宇轩 109(4)
生物质木质素分离和结构研究方法进展 文甲龙, 陈天影, 孙润仓 76(5)
冷等离子技术对纤维素预处理研究 徐徐, 陈莉晶, SHAGHALEH Hiba, 郭佳雯 85(5)
纳米化竹粉/羧甲基纤维素复合膜材料制备及性能研究 丁婷婷, 李倩, 金贞福, 葛志伟, 陆伟苗 90(5)
玻璃纤维增强塑料用热解油-酚醛树脂的合成工艺 崔勇, 常建民, 王文亮 67(6)
叔丁基甘油醚的催化合成研究 刘艳方, 芮坚, 徐徐, 谷文, 王石发 74(6)
木橡复合层积材的工艺优化及性能研究 徐舒, 吕吉宁, 姜彬, 王敏, 徐信武 80(6)
基于杂多酸的光催化生物质燃料电池性能 夏子华, 赵璐洋, 吴伟兵, 景宜, 戴红旗, 房桂干 86(6)
搅拌转速和通风量对里氏木霉发酵 β -甘露聚糖酶的影响 谢益晖, 黄曹兴, 李鑫, 赖晨欢, 余世袁, 勇强 92(6)
米根霉利用玉米芯渣同步糖化发酵联产富马酸和真菌壳聚糖 李鑫, 顾夕梅 97(6)

装备与信息化

- 平模成型机结构参数对成型过程的影响 李震, 赵钰龙, 吴家雄, 韦安宁, 薛冰 113(1)
陶瓷刀具车削木质复合材料的切削性能 朱兆龙, 郭晓磊, 赵飞, 邱学海, 郑琳, 曹平祥, 朱南峰 119(1)
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(2)
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(2)
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(2)
间伐材伐区用小型抓木机的设计与分析 杨春梅, 赵洪元, 宋文龙, 朱晓亮, 马岩 112(3)
近景摄影测树仪的研究与开发 徐伟恒, 高娜, 项飞, 杨磊, 孔雷, 戴杨 117(3)
三级林用消防泵内部流场模拟及分析 郑楠, 茹煜, 汪东, 丛静华 124(3)

- 履带-负载轮-地面耦合作用关系研究 冯莉, 邓兆军, 马岩, 杨春梅, 宋文龙, 郭璨, 许洪刚 115(4)
 一种毛竹根挖掘机的设计和优化 江子和, 姚立健, 朱世威, 陈喜庭, 张辉 121(4)
 基于卫星监测热点的林火分布及发生预报模型 刘柯珍, 舒立福, 赵凤君, 张运生, 李艳云 128(4)
 重组竹竹方冷压成型自动生产单元控制系统设计 王军, 吕艳, 黄冲, 倪益华, 宋剑刚, 倪忠进 95(5)
 菌类培养长细木屑加工设备的设计与试验 姜新波, 王文博, 郭璨 102(5)
 一种对年轮图像双边滤波增强的树龄测量方法 王燕凤, 冯海林, 杜晓晨, 方益明 109(5)
 基于 ANSYS 的除草机车架轻量化研究 周方思, 李立君, 欧阳益斌 103(6)
 拖挂式运材车挂车后轮转向技术研究 徐晓美, 石静, 王芃, 张磊 110(6)
 基于激光三角测距的锯材表面缺陷检测方法 张未, 吕志娟, 徐兆军, 朱南峰 116(6)

森林工程与土建交通

- 重组竹工字梁抗弯特性研究及模拟分析 张苏俊, 李晨, 肖忠平, 朱南峰 125(1)
 黏性土边坡上条形基础安全距离分析 赵志峰, 韦张林 130(1)
 广义线性模型在林火发生预报中的应用 张洁, 赵浩彦, 张民侠, 李晨阳, 陈戈萍 135(1)
 大跨径预应力混凝土梁桥孔道摩阻试验研究 赵康, 魏洋, 端茂军, 李国芬 143(1)
 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(2)
 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(2)
 桥梁水下结构裂缝与空洞修复技术 魏洋, 张希, 邵虎, 纪军, 解光林, 孙壁存 131(3)
 碳纤维增强重组竹受弯构件的极限承载力试验 周爱萍, 刘睿, 沈玉蓉, 张苏鹏, 于浩然, 袁吉, 李航 137(3)
 基于修正 Burgers 模型的浇筑式沥青混合料黏弹性参数确定方法 周鳌, 谢发祥, 章登精, 吉伯海, 陈林 143(3)
 东北林区典型树种内部心腐材积的量化检测 曹延珺, 徐华东, 王立海, 刘泽旭 150(3)
 实心锯材用于住宅式龙门架的研究(英文) KOMATSU Kohei, 阙泽利, KOMATSU Kenji, HOSOKAWA Kiyoshi, KITAMORI Akihisa 134(4)
 溶液环境下微生物诱导碳酸钙沉积影响因素研究 孔繁浩, 赵志峰 146(4)
 碳纤维增强重组竹梁的极限挠度计算方法 周爱萍, 王超, 刘睿, 沈玉蓉, 周梦婕, 袁吉, 张苏鹏, 陶洁 115(5)
 带黏弹性阻尼器支撑木框架结构抗震性能研究 严健, 周爱萍, 沈怡, 唐思远 120(5)
 宁波海相软弱土层人工冻土强度特性试验 江汪洋, 杨平, 陈斌, 何文龙 126(5)
 加砂泥浆在砂性地层中成膜效率试验 刘成, 寇伟, 陆杨 121(6)
 碳纤维增强重组竹梁的抗弯性能 赵志高, 肖忠平, 束必清, 李晨, 张苏俊 127(6)
 基于生命周期评价的井干式木结构建筑环境影响研究 胡家航, 姬晓迪, 代倩, 郭明辉 133(6)

家具制造工程

- 家具数字化制造质量管控技术研究 熊先青, 郭伟娟, 黄琼涛, 方露, 庞小仁, 吴智慧 152(4)
 基于摩擦特性的榫接合节点抗拔力研究 胡文刚, 关惠元 158(4)
 降低水性双组分聚氨酯清漆起泡性的工艺优化 韦双颖, 刘雪铃, 张彦华 132(5)
 水性聚氨酯丙烯酸树脂和聚丙烯酸酯面漆漆膜性能评价 张岱远, 申黎明, 闫小星 138(5)
 基于“信息熵-TOPSIS”的竹质品设计认知决策研究 陈国东, 陈思宇, 王军, 倪益华, 谢贤新 143(5)
 基于两种孔径的苏式家具珍贵木材材色测定 于娜, 张聪, 陶蓓蓓, 廖晓梅 139(6)
 基于成组技术的椭圆榫接合优化 徐俊华, 朱炫霖, 何蕊, 任海青, 李军 144(6)
 民国时期政府办公家具及室内空间的色彩模型分析 张颖泉, 吴智慧 150(6)
 2017 年度林业工程学报审稿专家名录 132(6)

(注: 页码后的括号中数字为各期期号)

JOURNAL OF FORESTRY ENGINEERING 2017 Vol. 2

Total Contents

Special Contribution

- Research progress on surface modification of agriculture and forestry biomass materials by plasma treatment ZHOU Xiaoyan, CHEN Minzhi, DU Guanben 1(1)
A review of research progress on carbon aerogel LIU Shouxin, E Lei, LI Wei, MA Chunhui 1(2)
Advances in production of hydrocarbon compounds from lignin WANG Fei, WU Zhen, ZHANG Jun, PAN Qingqing, ZHANG Yu, LI Xun 1(3)
Recent development on conversion of lignin into aromatics based on catalytical depolymerization ZHANG Xueming, WU Miao, XU Feng 1(4)
A review on the development of wood and bamboo preservation SUN Fangli, PROSPER Nayebare Kakwara, WU Huaping, QIAN Jiajia, YANG Xiushu, RAO Jin, GUO Ming 1(5)
Research progress of cellulose-based biomedical functional composites MA Mingguo, FU Lianhua, LI Yayu, WANG Bin 1(6)

Wood Science and Technology

- Research progress in the lignin-based formaldehyde-free wood adhesives DI Mingwei, WANG Sen, YAO Ziwei 8(1)
Study on radio-frequency vacuum drying of three rosewood thin boards LIU Honghai, YANG Lin, WU Zhihui, CAI Yingchun, LI Xingchang 15(1)
Comparison of characteristics of branch and truck of *Cunninghamia lanceolata* from natural secondary forest SHI Jiangtao, DING Xiaohong, ZHANG Xie, CHEN Lei 20(1)
Effects of high temperature treatment on the color and visual psychology of rattan JIANG Fushan, WU Heng, WANG Chuangui 25(1)
Electrical insulation performance of laminated boards treated with KH550-modified phenol-formaldehyde resin WEI Qiang, WANG Weihong 30(1)
Determination of fiber saturation point of bamboo using LF-NMR SONG Lulu, GAO Xin, WANG Xinzhou, REN Huiqun, CHEN Bai, XU Bin 36(1)
Study on the grading and property of plantation Chinese fir lamina QIAO Luting, XIE Lisheng, TANG Zishen, XU Zhuhua 41(1)
Preparation and properties of polypropylene based composites with high wood fibers content LI Zhengyin, WANG Weihong 9(2)
Effects of glyceryl triacetate on curing behavior of phenolic resin CAO Ming, LEI Hong, LI Taohong, GUO Dongliang, LIANG Jiankun, DU Guanben 16(2)
Design values of compressive and tensile strength for visually graded Chinese fir dimension lumber GONG Yingchun, WANG Zhaohui, JIANG Jinghui, LUO Xiuqin, REN Haiqing 22(2)
Preparation of micro-nano coptis and its antimicrobial activity on white rot fungi WANG Jie, ZHANG Zhenxin, WANG Yamei 28(2)
Ultraviolet weathering of HDPE/wood-flour composites with core-shell structure XU Bing, MEI Changtong, PAN Mingzhu, YONG Cheng, WANG Ke 33(2)
Influence of CuAz-treated southern pine dimension lumber on nail-holding capacity YANG Baoshi, HE Shaojun, CHEN Yingjian, YU Fan, ZHU Yixin 39(2)
Research progress of sound absorption properties of wood-plastic composites ZHU Xiaodong, WANG Mengdie, HUANG Jinxin, LI Peng, ZHANG Bo, WEN Rui, LIU Yu 10(3)
Mechanical properties of structural insulated panels faced with different materials WANG Xuehua, FANG Lu, CHEN Hong, WU Zhihui, FEI Benhua 16(3)
Transition of composition and micro mechanical properties of wood during pyrolysis XU Deliang, DING Tao, LI Yanjun, LIU Xiang, JIA Chong, ZHANG Yang, WANG Siqun 22(3)
Effect of lignin modified urea-formaldehyde resin on the formaldehyde emission and bonding performance of bamboo laminated timber LIU Yuansong, GUAN Mingjie, ZHANG Zhiwei, ZHOU Wenyi 28(3)
Study on short-term bending creep behavior and microstructure of bamboo scriber ZHANG Weigang, JIANG Wenzheng, TANG Rongqiang 33(3)
Manufacturing of wood/rubber/HDPE composites by hot pressing SUN Yan, YOU Lixing, YU Chen, JIANG Bin, HAN Jingquan, XU Xinwu 38(3)
Effects of boiling water treatment on main physical properties of cork from *Quercus variabilis* YUAN Yidan, ZHU Lingyan, SONG Xiaozhou 44(3)
Effects of machining parameters on surface roughness of joints in manufacturing structural finger-jointed lumber GONG Meng, RAO Shuzhan, LI Ling 10(4)
Low-temperature fabrication and antifungal performance of ZnO nanostructures on bamboo surface SONG Jiangang, CHEN Yongxing, WANG Jin, HE Wen 19(4)
Fabrication of magnetic wood and its magnetic and electromagnetic wave absorption properties LOU Zhichao, SUN Jinqiang, LU Hongyi, CAI Jiabin, ZOU Jing, LI Xing, SUN Zhaobin, HE Haiwen 24(4)
Study on compression strength parallel to grain of birch wood at low temperature JIANG Jinghui, YU Zhengzheng, ZHAO Liyuan, LYU Jianxiong, ZHAO Youke 30(4)
Research progress in wood cell wall modification DONG Youming, ZHANG Shifeng, LI Jianzhang 34(4)
Design of DL-SW micro-cabin for rapid detection and analysis of VOCs from wood-based panels LIU Wanjun, SHEN Jun, WANG Qifan 40(4)
Fluorescence spectra of *Pterocarpus macarocarpus* Kurz aqueous extraction solution ZHU Xuna, ZHANG Yaoli, WANG Xiang 46(4)

- Effect of ASD flame retardant on fire-retardant efficiency of larch wood ... SONG Yupeng, GUO Minghui, GONG Xinchao 51(4)
- Effect of atmospheric pressure plasma treatment on veneer surface characteristics and soy protein adhesive bonding CHEN Minzhi, CHEN Yan, NGUYEN Thiphuong, ZHOU Xiaoyan, BIAN Jie 9(5)
- Effect of heat oil treatment on bamboo scriber properties HE Wen, SONG Jiangang, WANG Tao, LI Junsheng, XIE Lingxiang, YANG Yang, WU Bo, ZHANG Qisheng 15(5)
- Improvement of peeling method for large taper logs LI Zhefeng, QING Long 20(5)
- Mechanism of color change of heat-treated white ash wood by means of FT-IR and XPS analyses DING Tao, PENG Wenwen, LI Tao 25(5)
- Preparation and characterization of nano TiO₂/stearic acid super hydrophobic material CAO Kunli, WU Yan, CAO Fucai, ZHU Yantao, ZHU Wenkai 31(5)
- Effect of dicumyl peroxide (DCP) on properties of paraffin wax based Pickering emulsion stabilized by montmorillonite CHEN Yu, CAO Jinzhen 36(5)
- Properties of diethylene glycol ether toughening modified melamine-urea-formaldehyde resin CUI Jujin, XIE Mingjun, YANG Su, WENG Xu, HAN Shuguang, LAN Ping, ZHAN Xianxu, LU Xiaoning 10(6)
- Effect of plasma treatment on surface properties of high temperature dried poplar veneers NGUYEN Thiphuong, CHEN Weimin, CAO Yizhong, CHEN Minzhi, ZHOU Xiaoyan, NGUYEN Quangtrung, NGUYEN Hongminh 15(6)
- Release control of formaldehyde emission from veneered panels modified with nanoparticles LI Zhao, LIU Yu, ZHU Xiaodong 21(6)
- Identification and GC-MS analysis of *Dalbergia cochinchinensis* Pierre and *Dalbergia retusa* Hesml WU Qingsi, WANG Xuan, XIA Jinwei, SHEN Lijin, ZHANG Yaoli 26(6)
- Study on elastic constants of beech in different stress states HU Wengang, GUAN Huiyuan 31(6)
- Chemical Processing of Forest Products**
- Decay and mould resistance of cinnamaldehyde and its derivatives YANG Dongmei, WANG Hui, LI Shujun, YUAN Haijian 46(1)
- Synthesis and biological activity of novel 4-pyridyl-2-aminopyrimidine derivatives ZHANG Qi, DING Zhibin, SUN Nan, XU Xu, GAO Congfen, WANG Shifa 51(1)
- Producing aromatic chemicals from stepwise degradation of alkali lignin over zeolites catalysts CHENG Yi, ZHOU Ziyuan, LI Rui, JIANG Jianxin 57(1)
- The synthesis, characterization and UV curing application of allyl abietate LU Yanju, ZHAO Zhendong, LIU Juanjuan, GU Yan, WANG Jing, CHEN Yuxiang 63(1)
- Extraction of antioxidant components in palm bud and antioxidative activity *in vitro* LIU Longyun, WU Cai'e, LI Tingting, CHEN Zongyong 70(1)
- Adsorption and desorption of Pb²⁺ by *Xanthoceras sorbifolia* bunge hull activated carbon HAO Yinan, WANG Ximing, HONG Ling, ZHAO Jiaqi 78(1)
- Synthesis and biological activity of novel acrylpimamic acid-based diamide-thiadiazole compounds LIN Guishan, RUAN Zhanhui, DUAN Wengui, LIU Luzhi, YANG Zhangqi 45(2)
- Acidcatalytic liquefaction of bamboo with water/n-butanol and product separation YE Jun, LIU Peng, LI Jing, XIA Haihong, WANG Kui, JIANG Jianchun 52(2)
- Multi-stage enzymatic hydrolysis in high substrate concentration of NaOH-Fenton pretreated mulberry wood WANG Yanyun, WU Kai, YANG Hang, YANG Jing 58(2)
- Isolation and structural characterization of lignin isolated from *Dendrocalamus sinicus* by ultrasonic-alkaline treatment DENG Jiawen, YANG Haiyan, SHI Zhengjun, DENG Jia, YANG Jing, ZHENG Zhifeng, HUI Chaomao 64(2)
- Molecular cloning and enzymological characteristics of a novel N-acetyl- β -D-glucosaminidase from *Bacillus coagulans* XIA Meijuan, HUAN Caihui, JIANG Ting, ZHENG Zhaojuan, OUYANG Jia 70(2)
- Synthesis of gentiobiose by β -glucosidase and separation of the product ZHANG Lin, WANG Lei, WU Guangxing, YONG Qiang, YU Shiyuan 76(2)
- Optimization of transformation conditions and construction of recombinant bacteria for conversion quercetin to isorhamnetin PEI Jianjun, DONG Ping, XU Fei, ZHAO Dongxia, ZHAO Linguo, DING Gang, XIAO Wei 50(3)
- Optimization on homogenate extraction of polydatin and resveratrol from *Polygonum cuspidatum* by response surface methodology ZHOU Jun, XU Leitao, XIONG Man, DONG Langai, LI Xiangzhou 58(3)
- In vitro* proliferation of *Bifidobacterium adolescentis* by galactomanno-oligosaccharides from *Sesbania cannabina* LU Minyan, YANG Lei, LAI Chenhuan, ZHOU Mengyi, XI Xiaotong, YU Shiyuan, YONG Qiang 64(3)
- Liquid phase isomerization reaction of α -pinene catalyzed by calcined H-mordenite WANG Xueyuan, ZENG Tao 70(3)
- Research on the mass concentration and antioxidation of proanthocyanidins in different tissues from *Phyllanthus emblica* Linn. ZHANG Lun, YANG Sheming, XU Chengdong, WANG Fei, HU Xiaoan 57(4)
- Cloning and expression of a thermophile GH11 xylanase gene and its application in xylooligosaccharide production LI Qi, CHEN Mingzhen, ZHAO Linguo 63(4)
- Adsorption ability of activated carbon to ionic liquids XU Yaoguang, ZHANG Hui, HUANG Liulan, CAO Shilin, CHEN Lihui 70(4)
- Synergistic effect of organic montmorillonite and chitosan-based intumescent flame retardant on flame retardant properties of polylactic acid LI Hang, LIU Zhipeng, YANG Zheng, LING Min, ZHANG Rui 77(4)
- Preparation of SO₄²⁻/Ba-TiO₂ composite solid superacid and its esterification performance ZHAO Xuejuan, YUE Haiqin, QIAN Qi, WANG Lirong, HE Tiantian, WANG Lei, LI Licheng 41(5)
- Study on binding of EGCG-Cu complex to bovine serum albumin ZHANG Liangliang, XU Man, HU Xinyu, WANG Yongmei 46(5)
- Study on thermal decomposition kinetics and pyrolysis mechanism of polyvinyl chloride (PVC) using ESO as plasticizer FENG Guodong, HU Yun, XU Bin, MA Yan, ZHOU Yonghong 51(5)
- Microbial degradation of grape pomace tannins LAN Ping, MA Zeyu, YE Liuqing, BROSSE Nicolas, CHRUSCIEL Laurent 58(5)
- Acute toxicity of proanthocyanidins from black wattle bark in mice ZHANG Lun, WANG Fei, LIU Xiarui 64(5)
- Study on synthesis of 3,3'-(phenylmethylene)-bis(1H-indole) and its antifungal activity WANG Xueli, LIU Fei, WANG Qizhi, XU Shu, LUO Jinyue 70(5)

Preparation and cell adhesion property of TA/PDMAA semi-IPN hydrogels	HU Xinyu, WANG Yongmei, ZHANG Liangliang, XU Man 37(6)
Modeling on determination of oil content of <i>Vernicia fordii</i> seeds by near-infrared spectroscopy	LI Shufang, LI Yifan, FU Hongjun, LI Jiaojuan 45(6)
Effect of addition of polyacrylamide on retention rates of pulp fibers and TiO ₂ powders on composite paperboard	WENG Jingzheng, QIU Renhui, CHEN Lihui 50(6)
Effect of pectinase treatment on extraction of essential oil from agarwood	LI Mingyue, SHEN Huajie, HE Haishan, QIU Jian 55(6)
Silica-supported phosphotungstic acids catalyze isomerization reaction of thujopsene	MA Li, WU Guangyao, CHEN Jun, ZHU Kai 60(6)

Biomass Energy and Material

Synthesis and characterization of nanocellulose reinforced conductive hydrogel	HAN Jingquan, DING Qinjin, BAO Yaqian, LI Dagang, MEI Changtong, WU Zhenhua, XU Xinwu 84(1)
Preparation of acrylic acid modified cellulose acetate ultrafiltration membrane	XU Yaoguang, ZHANG Hui, HUANG Liulian, ZHENG Qiumei, CAO Shilin, CHEN Lihui 90(1)
Preparation and characterization of graphene/carbon black conductive ink	JI An, WANG Xi, XU Changyan, SHI Xiaomei, LIAN Hailan, SHI Lina, WANG Xinyi, GUO Lu 97(1)
Fabrication of nano-cellulose aerogels by freeze drying using tert-butyl alcohol as displacement solvent	WANG Xiaoyu, ZHANG Yang, JIANG Hua, SONG Yuxuan, ZHOU Zhaobing, ZHAO Hua 103(1)
Preparation of bio-based plastics using modified wood powder with shielding method	DING Fei, YANG Qian, CHEN Jianqiang, YE Judi, ZHU Chengyue, HONG Jianguo 108(1)
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(2)
Effect of different pretreatments on the enzymolysis properties of corn stalk	TIAN Qingwen, FANG Guigan, SHEN Kuizhong, LIU Wenwen, LIANG Long 89(2)
Recent development in application of catalyst to biodiesel production by coupling extraction and transesterification	WU Haitang, XU Kangli, YANG Fangxia, ZHANG Junhua 95(2)
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(2)
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(2)
Preparation of bio-based plastics by esterification of wood powder	WEI Dandan, REN Jinjing, HONG Jianguo 114(2)
Effect of Ca ²⁺ on thermostability of xylanase Xyn10A	CHEN Xiuxia, WANG Liangliang, ZHANG Yu, LI Xun, WANG Fei 76(3)
Performances of PEI/nano-ZrO ₂ /FAS composite coatings on wood surface via layer-by-layer assemble method	ZHANG Guozheng, YU Haipeng, LIU Yixing 83(3)
Study on hydroxymethylation of industrial lignin	XU Qiang, SUN Qianjian, ZHAO Xinkun, CAO Shenglei, SHE Diao, SUN Runcang 90(3)
Effects of castor oil-based polyurethane prepolymer on the properties of phenol-resorcinol-formaldehyde foams	LIU Juan, GUO Tengfei, CHEN Riqing, WANG Chunpeng, CHU Fuxiang 97(3)
Optimization of synthesis for reduced oxidized graphene	JI An, CUI Yunqi, SHI Xiaomei, SHI Lina, WANG Xinyi, XU Changyan 103(3)
Study on application of modified wood powder/alkali lignin in wood/rubber composite	XU Min, FU Xi 84(4)
Co-fermentation of pentose and hexose to ethanol by immobilized mixed yeasts method	JIANG Feng, FANG Lingyan, WANG Hao, ZHU Junjun, FAN Yimin, SONG Xiangyang 90(4)
Modification of sodium lignosulfonate with ChCl/Glycerol deep-eutectic solvent and its application to epoxy resin emulsion	JIN Yongxiang, LIU Tianqin, GU Zhongji, LIAN Hailan 96(4)
Preparation of cellulose nanocrystal film and cholesteric liquid crystal pattern	ZHANG Yayun, WAN Xuan, MO Mengmin, LI Dagang 103(4)
Fabrication of nano-cellulose aerogels by drying liquid nitrogen freeze	ZHAO Hua, ZHANG Yang, WANG Xiaoyu, SONG Yuxuan 109(4)
Research progress on separation and structural analysis of lignin in lignocellulosic biomass	WEN Jialong, CHEN Tianying, SUN Runcang 76(5)
Pretreatment of cellulose by cold plasma technology	XU Xu, CHEN Lijing, SHAGHALEH Hiba, GUO Jiawen 85(5)
Preparation and properties of bamboo nano powder/carboxymethyl cellulose composite film	DING Tingting, LI Qian, JIN Zhenfu, GE Zhiwei, LU Weimiao 90(5)
Synthesis process of bio-oil phenolic resin used for glass-fiber reinforced plastic	CUI Yong, CHANG Jianmin, WANG Wenliang 67(6)
Catalytic synthesis of tert-butyl glycerol ether	LIU Yanfang, RUI Jian, XU Xu, GU Wen, WANG Shifa 74(6)
Process optimization and properties research on wood-rubber laminated lumber	XU Shu, LYU Jining, JIANG Bin, WANG Min, XU Xinwu 80(6)
Performance of photocatalytic biomass fuel cells based on heteropolyacids	XIA Zihua, ZHAO Luyang, WU Weibing, JING Yi, DAI Hongqi, FANG Guigan 86(6)
Effect of agitation speed and aeration rate on fermentation synthesis of β -mannanase with <i>Trichoderma reesei</i>	XIE Yihui, HUANG Caoxing, LI Xin, LAI Chenhuan, YU Shiyuan, YONG Qiang 92(6)
Co-production of fumaric acid and fungal chitosan from corncob by simultaneous saccharification and fermentation with <i>Rhizopus oryzae</i>	LI Xin, GU Ximei 97(6)

Forestry Equipment and Information

Influence of structural parameters on flat mould plate ...	LI Zhen, ZHAO Yulong, WU Jiaxiong, WEI Anning, XUE Bing 113(1)
Cutting performance of ceramic tool in turning wood-based composites	ZHU Zhaolong, GUO Xiaolei, ZHAO Fei, QIU Xuehai, ZHENG Lin, CAO Pingxiang, ZHU Nanfeng 119(1)
Study of the paper tension control system based on the fuzzy sliding mode control ...	ZHU Qiang, LI Lijun, GAO Zicheng 122(2)

- Design and simulation of a combine cutting tool for inner section and tabaxir cutting from the natural bamboo section PAN Hui, TU Qiaoan, LIN Shi, LIU Ying 127(2)
- 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(2)
- The design and analysis of a small timber grab used in thinning plots YANG Chunmei, ZHAO Hongyuan, SONG Wenlong, ZHU Xiaoliang, MA Yan 112(3)
- Development of photogrammetric instrument for tree mensuration XU Weiheng, GAO Na, XIANG Fei, YANG Lei, KONG Lei, DAI Yang 117(3)
- Flow field simulation and working condition analysis of triple-stage forest fire pump ZHENG Nan, RU Yu, WANG Dong, CONG Jinghua 124(3)
- Study on coupling relationship of track-load whell-ground FENG Li, DENG Zhaojun, MA Yan, YANG Chunmei, SONG Wenlong, GUO Can, XU Honggang 115(4)
- Design and optimization of bamboo root excavator JIANG Zihe, YAO Lijian, ZHU Shiwei, CHEN Xiting, ZHANG Hui 121(4)
- Research on spatial distribution of forest fire based on satellite hotspots data and forecasting model LIU Kezhen, SHU Lifu, ZHAO Fengjun, ZHANG Yunsheng, LI Yanyun 128(4)
- Design of control system of automatic bamboo scrimber cold pressing unit WANG Jun, LYU Yan, HUANG Chong, NI Yihua, SONG Jiangang, NI Zhongjin 95(5)
- Design and test of fiber-like sawdust preparing equipment for fungi culture JIANG Xinbo, WANG Wenbo, GUO Can 102(5)
- Improving the tree-age measurement by enhancing the tree-ring image with bilateral filter WANG Yanfeng, FENG Hailin, DU Xiaochen, FANG Yiming 109(5)
- Lightweight research of mower frame based on ANSYS ZHOU Fangsi, LI Lijun, OUYANG Yibin 103(6)
- Rear wheel steering technology study on the trailer of timber transport vehicles XU Xiaomei, SHI Jing, WANG Peng, ZHANG Lei 110(6)
- Detecting method for surface defect of swan timber based on laser triangulation ZHANG Wei, LYU Zhijuan, XU Zhaojun, ZHU Nanfeng 116(6)
- ### **Forest Engineering and Civil Engineering**
- Bending strength and loading simulation analysis of bamboo scrimber I-shaped beam ZHANG Sujun, LI Chen, XIAO Zhongping, ZHU Nanfeng 125(1)
- Study on the safety distance of strip footing on cohesive soil slope ZHAO Zhifeng, WEI Zhanglin 130(1)
- Research on generalized linear models applied to forest fire forecast ZHANG Jie, ZHAO Haoyan, ZHANG Minxia, LI Chenyang, CHEN Geping 135(1)
- Experimental study on channel friction resistance test of long span prestressed concrete beam bridge ZHAO Kang, WEI Yang, DUAN Maojun, LI Guofen 143(1)
- A review of the research of wood girder truss QUE Zeli, GAO Yifan, GE Xiyun 138(2)
- 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(2)
- Rehabilitation technologies for cracks and hole on underwater structures of bridge WEI Yang, ZHANG Xi, SHAO Hu, JI Jun, XIE Guanglin, SUN Bicun 131(3)
- Experiment study on ultimate load-bearing capacity of carbon fiber reinforced polymer reinforced parallel bamboo beam ZHOU Aiping, LIU Rui, SHEN Yurong, ZHANG Supeng, YU Haoran, YUAN Ji, LI Hang 137(3)
- Viscoelastic parameters determination method of pouring type asphalt mixture based on modified Burgers model ZHOU Ao, XIE Faxiang, ZHANG Dengjing, JI Bohai, CHEN Lin 143(3)
- Quantitative detection of internal heart-rot volume of typical species in forest area of Northeast China CAO Yanjun, XU Huadong, WANG Lihai, LIU Zexu 150(3)
- Development of residential-use portal frame made of solid-sawn timbers KOMATSU Kohei, QUE Zeli, KOMATSU Kenji, HOSOKAWA Kiyoshi, KITAMORI Akihisa 134(4)
- Study on influencing factors of microbial induced calcite precipitation in solution environment KONG Fanhao, ZHAO Zhifeng 146(4)
- Ultimate deformation calculation method of carbon fiber reinforced polymer reinforced parallel strand bamboo beams ZHOU Aiping, WANG Chao, LIU Rui, SHEN Yurong, ZHOU Mengjie, YUAN Ji, ZHANG Supeng, TAO Jie 115(5)
- Study on seismic performance of timber frame structures with visco-elastic damper braces YAN Jian, ZHOU Aiping, SHEN Yi, TANG Siyuan 120(5)
- Experimental study on strength properties of artificial frozen soil in marine soft soil area of Ningbo City, China JIANG Wangyang, YANG Ping, CHEN Bin, HE Wenlong 126(5)
- Experimental study on efficiency of filter cake formation in sandy strata for slurry with coarse particles LIU Cheng, KOU Wei, LU Yang 121(6)
- Flexural behavior of carbon fiber reinforced polymer reinforced bamboo scrimber beam ZHAO Zhigao, XIAO Zhongping, SHU Biqing, LI Chen, ZHANG Sujui 127(6)
- Environmental impact of log house based on life cycle assessment HU Jiahang, JI Xiaodi, DAI Qian, GUO Minghui 133(6)
- ### **Furniture Design and Manufacturing**
- Study of the quality control technology in furniture digital manufacturing XIONG Xianqing, GUO Weijuan, HUANG Qiongtao, FANG Lu, PANG Xiaoren, WU Zhihui 152(4)
- Investigation on withdraw force of mortise and tenon joint based on friction properties HU Wengang, GUAN Huiyuan 158(4)
- Optimization study of foam control in waterborne polyurethane wood coating WEI Shuangying, LIU Xueling, ZHANG Yanhua 132(5)
- Evaluation of film performances of waterborne polyurethane acrylate and waterborne polyacrylate ZHANG Daiyuan, SHEN Liming, YAN Xiaoxing 138(5)
- Cognitive decision-making in bamboo product design based on comentropy and TOPSIS CHEN Guodong, CHEN Siyu, WANG Jun, NI Yihua, XIE Xianxin 143(5)
- Color determination of precious wood of the Su style furniture based on two kinds of aperture diameter YU Na, ZHANG Cong, TAO Beibei, LAIO Xiaomei 139(6)
- Optimization of oval mortise and tenon joint based on group technology XU Junhua, ZHU Xuanlin, HE Rui, REN Haiqing, LI Jun 144(6)
- Color model analysis for office furniture and interior space in period of the Republic of China ZHANG Yingquan, WU Zhihui 150(6)