

目 次

包装技术与工程

- 气调包装协同天然保鲜剂对冷却牛肉的保鲜研究
..... 褚益可,雷桥,欧杰(1)
- 壳聚糖涂膜结合浸钙处理对芒果褐变及两种酶活性的影响
..... 蒋依辉,何万欢,孟祥春等(7)
- 基于 ANSYS 的新型瓦楞纸板结构的有限元分析
..... 刘跃军,江太君,曾广胜等(11)
- 纸浆模塑结构参数的仿真研究
..... 褚晓珂(14)
- 易开启式瓦楞纸箱撕裂带材的发展概况
..... 刘末,黄利强,李昕(17)
- 胶印机递纸机构凸轮廓形误差研究
..... 武秋敏,武吉梅,王睿(21)
- 液体表面张力和粘度对压电喷射液滴形成过程影响的数值模拟
..... 王振宁,唐正宁(24)
- 双面半色调印刷品的网点面积率预测模型
..... 黄建宏,钱军浩,田东文等(28)

技术专论

- 载锌沸石抗菌剂的制备及其在 PE 薄膜中的应用
..... 曾晓希,汤建新,蒋佩等(32)
- 膨化糯米淀粉粘合剂的制备研究
..... 翟广玉,马海英,林新平等(36)
- 纳米材料 Al_2O_3 充填改性聚丙烯
..... 蔡佑星,金玉洁,王章革(39)
- 邻苯二甲酸酯类增塑剂水解条件的研究
..... 于志彬,迟建,解亚新等(42)
- 不同预压程度下蜂窝纸板动态缓冲特性的研究
..... 刘晶,刘乘,陈满儒(45)
- 弹药包装高阻隔防潮封套材料透湿性研究
..... 王波,易建政,祁立雷等(47)
- 基于 ALGOR 的联结舌扣有限元静态分析
..... 丁毅,许曼,黄蜜(52)
- 包装测试数据采集问题刍议
..... 丁微波,耿颀,范瑾(54)
- 翻领成型器的整体折弯成型
..... 卢德华,周一届(60)
- 充氮包装技术在军用光电器材中的应用
..... 谢凤宽,梁志杰,杜建华等(63)

刊名题字 **邱纯甫**

主管单位 中国兵器装备集团公司
主办单位 中国兵器工业第五九研究所

社 长 吴护林
主 编

副 社 长 张伦武 李文涛(常务)
执行主编 李文涛

编辑部地址:重庆市九龙坡区渝州路 33 号
电话:(023)68792836
传真:(023)68793154 邮编:400039
网址:www.packjour.com
电子邮箱:bzgc59@126.com;
wjzk@vip.163.com

出版单位:重庆五九期刊社
印刷单位:重庆蜀之星包装彩印有限公司
本期责编:梁爱锋 黄蜜

封面设计:熊 强
排版:周洪渝
发展企划部:钟克萍 李 颖 李 伏 冯利军

电话/传真:(023)68792283
E-mail:wjzk59@126.com

温州联络处:蓝希灵
手机:13868411698

北京联络处:高鹏
电话:(010)88431819

成都联络处:何柏松
手机:13981864968

烟台联络处:姜竹茂
手机:13355458990

ISSN 1001-3563 国内外公开发行
CN 50-1094/TB

广告经营许可证:渝工商广字 040297 号
国外发行:中国国际图书贸易公司
国内发行:重庆市报刊发行局
邮发代号:78-30 国外发行代号:BM1799
定 价:15.00 元

基于动作研究的药品包装作业过程分析与优化	杨萍(66)
鲜切花运输包装及物流配送的分析研究	李晓刚(71)
基于 SolidWorks 圆柱齿轮参数化建模的方法及应用	李雪玮,韩晓奇,郝岐峰等(74)
包装机械的概念设计图例软件的设计及应用	洪波,包能胜(78)
折页机自动预置系统的研究	邓毅,李剑锋,王晶等(82)
基于无接触测量的纸张厚度检测系统设计	杨幸芳,史思秀,徐宏伟(87)
热转印油墨的制备及其流变学特性研究	陈景华,邓开发,郝发义(91)
纸张表面特性对印刷网点扩大影响的研究	陈怡,张瑛,钟妍等(94)
基于机器视觉的文字印刷质量检测与评价	王晓红,李树章,周辰人(97)
数字加网中的网点保真技术研究	王琪,刘真(100)
新双常数 Kubelka-Munk 理论专色油墨配色算法研究	于蒙蒙,唐正宁(104)
基于离散余弦变换域的数字水印研究	黄军(108)
包装外观信息传输过程中的信息隐藏技术	刘晓燕,于惠钧,朱孝成(111)

研究进展

大米保鲜包装的研究进展	张莉(114)
高耐热环氧树脂研究现状	张娜,谭美军,刘雷(117)
包装动力学理论研究进展	霍银磊(122)

论坛与资讯

纸包装材料生命周期综合分析评价及限定要求	李佳,牛淑梅(128)
包装的减量与环保及案例分析	黄秀玲,徐兰萍,李明(133)
机载导弹包装箱技术及其研究进展	肖军,余保民,樊来恩等(136)
高分子聚合物表面氟化处理技术研究	杨宏伟,费逸伟,李源等(140)
瓦楞纸箱企业成本控制探讨	赵郁聪,张波涛,黄蜜(143)

全国中文核心期刊
 中国科学引文数据库(CSCD)来源期刊
 中国学术期刊综合评价数据库来源期刊
 中国核心期刊(遴选)数据库收录期刊
 《中国期刊网》全文数据库收录期刊
 万方数据——数字化期刊群全文上网期刊
 《中国学术期刊(光盘版)》入编期刊
 中文科技期刊数据库入编期刊
 中国科技期刊精品数据库收录期刊
 美国《剑桥科学文摘》(CSA:MI)收录期刊

PACKAGING ENGINEERING

(Initial Issue 1980) (Semimonthly) Vol. 31 No. 13(Total No. 187) Jul. 10, 2010

Contents

Packaging Technology and Engineering

- Research on Preservation of Chilled Beef by Using Modified Atmosphere Packaging and Composite Natural Preservative
..... CHU Yi-ke, LEI Qiao, OU Jie(1)
- Effect of Chitosan Coating and Calcium Treatments on Browning and Two Enzyme Activities of Mango
..... JIANG Nong-hui, HE Wan-huan, MENG Xiang-chun, et al. (7)
- Finite Element Analysis of Novel Corrugated Board Structure Based on ANSYS
..... LIU Yue-jun, JIANG Tai-jun, ZENG Guang-sheng, et al. (11)
- Simulation Study of Paper Pulp Molding Structural Parameters
..... CHU Xiao-ke(14)
- Development Profile of Easy-open Corrugated Box Tear Tape
..... LIU Mo, HUANG Li-qiang, LI Xin(17)
- Research on the Profile Error of Sheet Transfer Cam in Offset Press
..... WU Qiu-min, WU Ji-mei, WANG Rui(21)
- Numerical Simulation of the Effect of Liquid Surface Tension and Viscosity on the Droplet Formation of Piezoelectric Ejection
..... WANG Zhen-ning, TANG Zheng-ning(24)
- Prediction Model about the Dot Coverage of Recto-verso Halftone Pressworks
..... HUANG Jian-hong, QIAN Jun-hao, TIAN Dong-wen, et al. (28)

Technical Issue

- Preparation of Zinc-loaded Zeolite Antibacterial Agent and Its Application on PE Thin Film
..... ZENG Xiao-xi, TANG Jian-xin, JIANG Pei, et al. (32)
- Study on the Preparation of Expanded Glutinous Rice Starch Adhesive
..... ZHAI Guang-yu, MA Hai-ying, LIN Xin-ping, et al. (36)
- Filling nano-Al₂O₃ for Modifying Polypropylene
..... CAI You-xing, JIN Yu-jie, WANG Zhang-ping(39)
- Study of Hydrolysis Conditions of Phthalate Ester Category Plasticizing Agent
..... YU Zhi-bin, CHI Jian, XIE Ya-xin, et al. (42)
- Research on Dynamic Cushioning Properties of Honeycomb Type Board Under Different Extent of Precompression
..... LIU Jing, LIU Cheng, CHEN Man-ru(45)
- Vapor Transmission Study of High Barrier Moistureproof Envelop Materials
..... WANG Bo, YI Jian-zheng, QI Li-lei, et al. (47)
- Static Finite Element Analysis of Coupling Tongue Buckle Based on ALGOR
..... DING Yi, XU Man, HUANG Mi(52)
- Discussion on Issues of Data Acquisition of Packing Test
..... DING Wei-bo, GENG Liang, FAN Jin(54)
- Integral Bending Forming of Forming Shoulder
..... LU De-hua, ZHOU Yi-jie(60)

广告索引:

- 《包装工程》宣传页 (封二)
《精密成形工程》宣传页 (封三)
国防科技工业自然环境试验研究中心(封底)

黑白插页

第 17 届 IAPRI 世界包装大会

Application of Nitrogen-filled Packaging Technology in Military Optoelectronic Equipment	
..... XIE Feng-kuan ,LIANG Zhi-jie ,DU Jian-hua ,et al. (63)	
Pharmaceutical Packaging Process Analysis and Optimization Based on Action Research	YANG Ping(66)
Analysis and Research on Transport Package and Logistics Distribution of Fresh Cut Flowers	LI Xiao-gang(71)
Method and Application of Parameterized Modeling of Cylindrical Gear Based on SolidWorks	
..... LI Xue-wei , HAN Xiao-qi ,HAO Qi-feng ,et al. (74)	
Design and Application of Conceptual Design Legend Software for Packaging Machinery	HONG Bo ,BAO Neng-sheng(78)
Research on Automatic Presetting System for Folding Machine	
..... DENG Yi ,LI Jian-feng ,WANG Jing ,et al. (82)	
Design of Detection System for Thickness of Paper Based on Non-contact Measurement	
..... YANG Xing-fang ,SHI En-xiu ,XU Hong-wei(87)	
Preparation of Thermic Transfer Ink and Research on Its Rheology Properties	CHEN Jing-hua , DENG Kai-fa , HAO Fa-yi(91)
Research about the Influence of Paper Surface Characteristics on Printing Dot Enlargement	
..... CHEN Yi ,ZHANG Ying ,ZHONG Yan ,et al. (94)	
Detection and Evaluation of Chinese Character Printing Quality Based on Machine Vision	
..... WANG Xiao-hong , LI Shu-zhang , ZHOU Chen-ren(97)	
Research on Dot Fidelity Technology in Digital Screening	
..... WANG Qi ,LIU Zhen(100)	
Research on Color Matching Algorithm for Spot Color Ink Based on New Two-constant Kubelka-Munk Theory	
..... YU Meng-meng ,TANG Zheng-ning(104)	
Research of Digital Watermark Based on DCT Domain	
..... HUANG Jun(108)	
Information Hiding Technology for the Packaging Appearance Information in Transmission	
..... LIU Xiao-yan ,YU Hui-jun ,ZHU Xiao-cheng(111)	

Research Progress

Progress of Research on the Rice Fresh-keeping Packaging	
..... ZHANG Li(114)	
Present Situation of Research on Highly Heat-resistant Epoxy Resin	
..... ZHANG Na , TAN Mei-jun , LIU Lei(117)	
Progress in Theoretical Research of Packaging Dynamics	
..... HUO Yin-lei(122)	

Forum and Information

Life Cycle Comprehensive Analysis Assessment and Limit Requirements of Paper Packaging Material	LI Jia , NIU Shu-mei(128)
Reduction and Environmental Protection of Packaging and Case Analysis	HUANG Xiu-ling , XU Lan-ping , LI Ming(133)
Techniques of Packaging Case for Airborne Missiles and Research Developments	XIAO Jun ,SHE Bao-min ,FAN Lai-en ,et al. (136)
Study on Surface Fluorination Technology of Macromolecule Polymers	YANG Hong-wei ,FEI Yi-wei ,LI Yuan ,et al. (140)
Discussion on Cost Control of Corrugated Box Enterprise	
..... ZHAO Yu-cong , ZHANG Bo-tao ,HUANG Mi(143)	

Chief Editor: WU Hu-lin

Executive Chief Editor: LI Wen-tao

THIS PUBLICATION IS

Approved by the General Administration of Press and Publication of the P. R. China (CN 50-1094/TB, ISSN 1001-3563).

Sponsored by No. 59 Institute of China Ordnance.

Published by the Magazine House of No. 59 Institute of China Ordnance.

Edited by the Editorial Office for

PACKAGING ENGINEERING

P. O. Box 2331, Chongqing,

P. R. China

Postcode: 400039

Tel: 86-23-68792836

Fax: 86-23-68793154

E-mail: wjqk@vip.163.com

http://www.packjour.com

Advertising Licence No. 040297

Post Issue No. 78-30

International Issue No. BM 1799