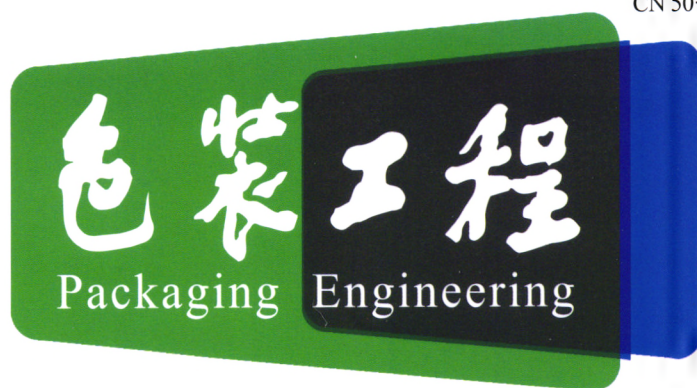


全国中文核心期刊
中国科学引文数据库 (CSCD) 源刊

2015年3月 第36卷 第5期

主办单位: 中国兵器工业第五九研究所



包装工程

BAOZHUANG GONGCHENG

第36卷 第5期 2015年3月10日

目次

包装技术与工程

食品活性包装与智能标签的研究及应用进展

许文才,付亚波,李东立,刘鹏 1

空气垫静态缓冲性能的数值模拟

吴芳英,范小平,向红,张钦发,黄建萍 11

基于可靠性理论的包装振动试验方法改进

江春冬,李海龙,杜太行,武玉维 16

技术专论

复合壳聚糖保鲜液膜对冷鲜牛肉保鲜的研究

欧丽娟,李立,杨辉,杨福馨,徐尔莹,周沁怡 21

食品用纸质包装中17种残留溶剂的迁移特性

王美华,屠瑶,沈之丞,康海平,郑澎 26

柑橘皮渣/淀粉基复合发泡材料的纳米改性研究

魏丹,赵东方,张敏 31

马铃薯淀粉疏水化改性研究

潘春娇,方健,魏洁,蔡源春,陈艳萍,周佳乐 37

沙柳纤维对废纸纤维基轻质材料性能的影响

王海珍,郝一男,王虎军,王喜明 43

大豆蛋白胶与纤维素胶合机理研究

韩敏,杨光,卢晶昌 48

玉米磷酸酯双淀粉基可食性包装膜综合性能研究

孟令伟,李娟,张东杰 53

浅析无溶剂复合产品摩擦因数的变化

赵素芬,刘晓艳,潘斌,张莉琼,涂志刚 56

蜂窝纸板疲劳累积损伤模型实验研究

范志庚,卢立新,王军,胡志军 59

瓦楞纸板生产线蒸汽系统压降计算方法分析

曾逸淞,杜群贵 64

连接桥强度对塑料防盗瓶盖开启性能的影响

王岳,孙海滨,洪伟奇,于方,孙万里,印雄飞 69

工控设备缓冲包装跌落试验及其仿真分析

李萌,鲁宁,李佳德 74

基于Pro/E和ADAMS的瓦楞辊运动学仿真	魏效玲,李帆,陈华,张宝刚,尉鹤缤 79
多工位高速真空包装机研发及包装效果评价	彭智松,杨传民,王心宇 82
200 L钢桶中段生产设备及技术分析	林陈彪 86
基于试验模态方法的递纸机构优化设计	吕剑,许秦蓉 90
阵列双模式喷印平台的数控系统设计	孟治国,朱云鹏 95
纸纱复合制袋印刷一体机张力控制器设计	罗桂兵,彭珍瑞 100
基于传热介质的蒸汽加热凹印机能耗测试方法研究	金琳,李艳,王仪明,刘森,刘宁 105
基于SFS算法的网点立体形态的获取与解析	王茜,王琪 112
分通道相位调制潜像法防伪效果的评价	王天马,王琪,刘洪豪 117
基于光谱的多色分色中颜色分区判断算法的研究	于明伟 122
基于丝绸的色彩质量控制方法研究	王晋 127
Photoshop中转换选项对印前分色的影响研究	付文亭,邓体俊 131

论坛与资讯

基于支持向量机的人本化包装设计评价模型	黄岳钧,颜爱民 136
渡海登岛作战弹药两栖携行防护装具设计	蔡军锋,梅思君 140
电商物流包装存在的问题与对策	刘诗雅,冯洪炬,向红,范小平,岳淑丽 144

广告索引

封二	普拉斯包装材料有限公司
封三	中国兵器工业第五九研究所包装工程技术研究中心
插页	
A1	济南兰光机电技术有限公司
A2	国防科技工业自然环境试验研究中心
A3	表面技术杂志
A4	装备环境工程杂志

PACKAGING ENGINEERING

(Initial Issue 1980)(Semimonthly)

Vol.36 No.5(Total No.299)Mar.10, 2015

Contents

Packaging Technology and Engineering

Research and Application Progress of Food Active Packaging and Smart Labels

XU Wen-cai, FU Ya-bo, LI Dong-li, et al. 1

Numerical Simulation of Static Cushion Performance of Air Cushion

WU Fang-ying, FAN Xiao-ping, XIANG Hong, et al. 11

Improvement of Test Method for Vibration in Packaging Based on Reliability Theory

JIANG Chun-dong, LI Hai-long, DU Tai-hang, et al. 16

Technical Issue

Preservative Effect of Treatment with Different Composite Chitosan Coatings on Storage of Chilled Beef

OU Li-juan, LI Li, YANG Hui, et al. 21

Migration Characteristics of 17 Residual Solvents in Food Packaging Paper

WANG Mei-hua, TU Yao, SHEN Zhi-cheng, et al. 26

Modification of Composite Foam Materials Based on Citrus Pericarp Residue and Starch by Adding Nano-materials

WEI Dan, ZHAO Dong-fang, ZHANG Min 31

Hydrophobic Modification of Potato Starch

PAN Chun-jiao, FANG Jian, WEI Jie, et al. 37

Influence of Salix Fiber on the Performance of Low-density Waste Paper Fiber-based Material

WANG Hai-zhen, HAO Yi-nan, WANG Hu-jun, et al. 43

Mechanism of Adhesive Bonding between Soy Protein-based Adhesive and Cellulose

HAN Min, YANG Guang, LU Jing-chang 48

Comprehensive Properties of Corn Distarch Phosphate Edible Packaging Film

MENG Ling-wei, LI Juan, ZHANG Dong-jie 53

Variation of Friction Coefficient of Solvent-free Composite Products

ZHAO Su-fen, LIU Xiao-yan, PAN Bin, et al. 56

Experimental Research on Honeycomb Paperboard Fatigue Cumulative Damage Model

FAN Zhi-geng, LU Li-xin, WANG Jun, et al. 59

Calculating Method Analysis of Pressure Drop for Steam System of Corrugated Board Production Line

ZENG Yi-song, DU Qun-gui 64

Investigation of the Influence of Tamper-evident Band Bridge Strength on Opening Property of Tamper-evident Plastic Closures

WANG Yue, SUN Hai-bin, HONG Wei-qi, et al. 69

Drop Test of an Industrial Control Equipment Cushion Packaging and Its Simulation Analysis

LI Meng, LU Ning, LI Jia-de 74

Kinematics Simulation of Corrugated Roller Based on Pro/E and ADAMS

WEI Xiao-ling, LI Fan, CHEN Hua, et al. 79

Development of a High-speed Vacuum Packaging Machine with Multiple Work Stations and Evaluation of Its Packaging Efficacy

PENG Zhi-song, YANG Chuan-min, WANG Xin-yu 82

Middle-section Production Equipment and Technical Analysis of 200 L Steel Drums

LIN Chen-biao 86

Design Optimization of Paper-feeding Mechanism Based on Experimental Modal Analysis

LYU Jian, XU Qin-rong 90

CNC System Design of Array Dual-mode Jet Printing Platform

MENG Zhi-guo, ZHU Yun-peng 95

Design of Tension Controller for Compound Paper-yarn Bag-making and Printing All-in-one Machine

LUO Gui-bing, PENG Zhen-rui 100

Energy Consumption Test Method for Steam Heating Gravure Based on Heat Transfer Medium

JIN Lin, LI Yan, WANG Yi-ming, et al. 105

Acquisition and Resolution of 3D Dot Form on Basis of SFS Algorithm

WANG Qian, WANG Qi 112

Evaluation of Latent Image Anti-counterfeiting Effect Based on Sub-channel Phase Adjustment

WANG Tian-ma, WANG Qi, LIU Hong-hao 117

Color Subarea Judgment Algorithm in Multi-color Separation Based on Spectrum

YU Ming-wei 122

Color Quality Control Method Based on Silk

WANG Jin 127

Influence of Conversion Options in Photoshop on Pre-press Colour Separation

FU Wen-ting, DENG Ti-jun 131

Forum and Information

Evaluation Model of Humanistic Packaging Design Based on Support Vector Machine

HUANG Yue-jun, YAN Ai-min 136

Design of Ammunition Amphibious Protective Equipment in Sea-crossing and Island-landing Operations

CAI Jun-feng, MEI Si-jun 140

Problems and Solutions for E-Commerce Logistic Packaging

LIU Shi-ya, FENG Hong-ju, XIANG Hong, et al. 144

包装工程

Packaging Engineering

全国中文核心期刊
中国科学引文数据库 (CSCD) 源刊

主办单位：中国兵器工业第五九研究所

ISSN 1001-3563

CN 50-1094 / TB

定价：45.00元

邮发代号：78-30

国外发行号：BM1799

广告经营许可证：渝工商广字040297号

ISSN 1001-3563



9 771001 356151