

全国中文核心期刊
中国科学引文数据库(CSCD)源刊

2015年8月 第36卷 第15期

主办单位: 中国兵器工业第五九研究所



专题——食品冷链物流

Special Topic on Food Cold Chain Logistics



包装工程

BAOZHUANG GONGCHENG

第36卷 第15期 2015年8月10日

目次

食品冷链物流专题

食品冷链的技术发展

申江,杨萌 1

生鲜食品的品质动力学模型研究综述

邹毅峰,谢如鹤,刘广海 9

金枪鱼生物保鲜技术的研究进展

刘爱芳,谢晶 16

蓄冷技术在食品冷链物流中的研究进展

黄艳,章学来 23

可折叠水产品运输保温包装箱结构设计

朱怡馨,陈晨伟,罗敏成,谢晶,杨福馨,侯忱希,童瑶 30

玉米淀粉-壳聚糖可食膜对冷藏兔肉品质的影响

徐明悦,李洪军,贺稚非,王珊 34

不同聚乙烯薄膜包装对雪青梨冷藏品质的影响

严灿,刘升,贾丽娥,阚朝勃,段小明,王达 40

双孢菇真空预冷保鲜实验研究

李保国,朱玲,马静 45

食品安全视角的食品供应链物流运行机制研究

夏文汇,彭瑶,何玉影 50

技术专论

利用改性竹材制备环保代木包装材料

张帆,孙昊,张新昌,钱江,杨晓玲,喻翠 55

木素含量对保鲜纸中亚氯酸钠留着率的影响

王海莉,肖生苓,岳金权,刘银鑫 62

n 棱柱(台)折叠纸盒自锁底非成型作业线研究

安胜男,牟信妮,王丽超,王鹏,张书驰,孙诚 67

基于冲击实验的泡沫铝-聚氨酯缓冲性能研究

孙亮,齐明思,王俊元,赵奇 73

缓冲材料振动传递特性测试系统数据处理

邢月卿,孙德强,方健,李剑玲 77

枕形袋式气调包装气体置换过程三维流场模拟

陈秀,卢立新,王军,蒋焕新 83

- 塑料和钢塑复合包装桶高温堆码强度模拟
杨佳,赵春玲,计宏伟,郑海友,冯智劼 87
- 片弹簧骨架气动柔性手爪抓持苹果分析
杨光照,章军 91
- 基于模拟退火算法的码垛机器人码垛路径规划
徐敏,陈州尧,李俊蒂 95
- 基于静力学分析的运动副摆放位置对并联机构的影响
王南,崔浩洋,周莎莎 99
- 基于SolidWorks塑封机构参数化设计系统研究
李志,安维胜,伍玉玲,李贇喆 104
- 一种新型蜂窝纸板包边工艺及其制品性能研究
李光,樊明 108
- 纸盒灌装设备吸包机构凸轮型线优化
张丹静,石秀东,梁小龙,范亚运 113
- 基于PLC的封边机板材进给系统控制研究
杨铁,张云鹤,马岩,任洪娥,丛亮,杨春梅 119
- 匝间短路故障对永磁同步电机失磁影响的分析与研究
张昌凡,罗利祥,何静,张森滢,周飞,廖慧君 124
- 基于点集模型的LabPQR空间光谱色域映射算法
刘攀,刘真,吴光远 130
- 半色调加网信息隐藏技术显隐效果研究
郭凌华,邢铁豆,刘国栋,陈燕 135
- 基于显著像素复合矩阵的多图像同步实时加密算法
刘峰,邵丹 138
- 广义回归神经网络在显示器颜色空间转换中的应用
洪亮,楚高利,邓倩,王娜 145
- 一种基于云平台的包装印刷设备增值服务系统
顾桓,田红,高妍 149

论坛与资讯

- 基于RFID的导弹装备管理方法研究
任少杰,郝永生 153

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 上海金鼎印务有限公司

A2 第四届军品防护与包装发展论坛暨包装成果展示征文通知(第二轮)(跨版)

A3 国防科技工业自然环境试验研究中心

PACKAGING ENGINEERING

(Initial Issue 1980)(Semimonthly)

Vol.36 No.15(Total No.309)Aug. 10, 2015

Contents

Special Topic on Food Cold Chain Logistics

- Technological Development of Food Cold Chain
SHEN Jiang, YANG Meng 1
- Review on Quality Kinetic Model for Fresh Food
ZOU Yi-feng, XIE Ru-he, LIU Guang-hai 9
- Progress of Biological Techniques for Tuna Preservation
LIU Ai-fang, XIE Jing 16
- Research Progress of the Application of Cold Storage Technology in Food Cold Chain Logistics
HUANG Yan, ZHANG Xue-lai 23
- Structure Design of Foldable Insulation Packaging Container for Aquatic Products
ZHU Yi-xin, CHEN Chen-wei, LUO Min-cheng, et al. 30
- Influence of Corn Starch-chitosan Films Coating on Rabbit Meat Quality after Cold Storage
XU Ming-yue, LI Hong-jun, HE Zhi-fei, et al. 34
- Effect of Different Packaging Polyethylene Films on the Quality of Xueqing Pear during Cold Storage
YAN Can, LIU Sheng, JIA Li-e, et al. 40
- Experimental Study on Vacuum Pre-cooling and Preservation of *Agaricus Bisporus*
LI Bao-guo, ZHU Ling, MA Jing 45
- Operation Mechanism of Food Supply Chain Logistics in Perspective of Food Safety
XIA Wen-hui, PENG Yao, HE Yu-ying 50

Technical Issue

- Replacement of the Wood Substitute Packaging Materials with Modified Bamboo Timber
ZHANG Fan, SUN Hao, ZHANG Xin-chang, et al. 55
- Influence of Different Lignin Content on Sodium Chlorite Retention in Preservative Paper
WANG Hai-li, XIAO Sheng-ling, YUE Jin-quan, et al. 62
- Non-molding Working Score of Auto End-locked Carton with n Prisms (Frustum)
AN Sheng-nan, MOU Xin-ni, WANG Li-chao, et al. 67
- Cushion Performance of Aluminum Foam-polyurethane by Impact Test
SUN Liang, QI Ming-si, WANG Jun-yuan, et al. 73
- Data Processing of Vibration Transmissibility Test System for Cushion Materials
XING Yue-qing, SUN De-qiang, FANG Jian, et al. 77

- Three-dimensional Flow Field Simulation of the Gas Displacement Process during Modified Atmosphere Packaging with Pillow-bag
CHEN Xiu, LU Li-xin, WANG Jun, et al. 83
- Simulation Analysis of High Temperature Stacking Strength for Plastic and Steel-plastic Bucket
YANG Jia, ZHAO Chun-ling, JI Hong-wei, et al. 87
- Apple Grasping Analysis of Flexible Pneumatic Gripper with Leaf Spring Skeleton
YANG Guang-zhao, ZHANG Jun 91
- Path Planning of Palletizing Robot Stacking Based on Simulated Annealing Algorithm
XU Min, CHEN Zhou-yao, LI Jun-di 95
- Effect of Different Positions of Kinematic Pairs on Parallel Mechanism
WANG Nan, CUI Hao-yang, ZHOU Sha-sha 99
- Parameterized System for Encapsulation Machine Based on SolidWorks
LI Zhi, AN Wei-sheng, WU Yu-ling, et al. 104
- A New Overlapping Technique for Honeycomb Paperboard and Product Properties
LI Guang, FAN Ming 108
- Optimal Design of Gripping Pack Mechanism Cam Profile of the Filling Equipment
ZHANG Dan-jing, SHI Xiu-dong, LIANG Xiao-long, et al. 113
- Control of Slab Feeding System in Edge Banding Machine Based on PLC
YANG Tie, ZHANG Yun-he, MA Yan, et al. 119
- Effects of Inter-turn Short-circuit Fault on Demagnetization of Permanent Magnet Synchronous Machines
ZHANG Chang-fan, LUO Li-xiang, HE Jing, et al. 124
- Spectral Gamut Mapping Algorithm in LabPQR Space Based on Point Set Model
LIU Pan, LIU Zhen, WU Guang-yuan 130
- Appearing Effect of Information Hiding Technology Based on Halftone Screening
GUO Ling-hua, XING Tie-dou, LIU Guo-dong, et al. 135
- Multi-image Simultaneous Real-time Encryption Algorithm Base on Notable Pixel Composite Matrix
LIU Feng, SHAO Dan 138
- Application of General Regression Neural Network in the Display of Color Space Conversion
HONG Liang, CHU Gao-li, DENG Qian, et al. 145
- A Value-added Service System of Packaging and Printing Equipment Based on Cloud Platform
GU Huan, TIAN Hong, GAO Yan 149

Forum and Information

- Management Method of Missile Equipment Based on RFID
REN Shao-jie, HAO Yong-sheng 153

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