



# 物流技术

Logistics Technology

ISSN 1005-152X  
CN 42-1307/TB

月刊



江苏六维智能物流装备股份有限公司  
JIANGSU NOVA INTELLIGENT LOGISTICS EQUIPMENT CO.,LTD



车架大梁立体存放库  
货位数: 168  
存储单元尺寸: 8000 × 1000 × 1000 mm (长 × 宽 × 高)  
货位承载能力: 3吨



ISSN 1005-152X



9 771005 152209



营销中心地址: 南京市建邺区奥体大街 118 号紫金西城中心 1 栋 9 楼

电话: 400-997-9161 传真: 025-86106530

邮箱: market@nova-china.com 网址: www.nova-china.com

万方数据



### 《物流技术》杂志

2020年第7期

### 著作权许可声明

本刊已许可中国学术期刊（光盘版）电子杂志社、万方数据股份有限公司、重庆维普资讯有限公司等在中国知网、万方数据库、中文科技期刊数据库等数据库产品中以数字化方式复制、汇编、发行、信息网络传播本刊全文。该社著作权使用费与本刊稿酬一并支付。作者向本刊提交文章发表的行为即视为同意我社上述声明。

《物流技术》杂志社



万方数据

### 研究与探讨 Research & Discussion

- 1 典型发达国家冷链物流发展现状与经验借鉴  
Development Status and Experience of Cold Chain Logistics in Typical Developed Countries.....Wei Ran, Chen Xiaoyu  
魏然, 陈晓宇
- 5 疫情下加快我国航空物流业发展的对策  
Countermeasures to Accelerate Development of Aviation Logistics Industry in China amidst Covid-2019 Pandemic.....Cao Yunchun, Xie Ailun  
曹允春, 谢艾伦
- 8 基于改进ABC分类法的应急物流仓储配送优化管理  
Optimized Logistics Management in Emergency Materials Warehousing and Distribution Based on improved ABC Classification Method  
.....Luo Qianwen, Wang Xin, Cui Haiyun  
罗倩文, 王欣, 崔海云
- 13 “隔离经济”下城市物流的组织与运行策略  
Strategy for Organization and Operation of Urban Logistics in Quarantine Economy  
.....Gao Shuangying  
高双赢
- 17 “互联网+”背景下物流产业协同转型创新  
Collaborative Transformation and Innovation of Logistics Industry under Background of "Internet+" .....Zhou Shengshi, Zhang Ning  
周盛世, 张宁
- 22 智能快件箱行业发展现状及消费者使用偏好研究  
Research on Development Status and Consumer Preference of Smart Express Box Industry.....Xu Liangfeng  
许良锋
- 28 近五年国内物流配送研究热点的演变—基于Cite Space V的可视化图谱分析  
Evolution of Domestic Logistics and Distribution Research Hotspots in Past Five Years: A Visual Map Analysis Based on Cite Space V.....Liang Yaqiong, Guo Xuewei  
梁雅琼, 郭学伟

### 技术与方法 Technologies & Methods

- 34 区域农产品电商与冷链物流复合系统协同模型构建与应用—以中部六省为例  
Construction and Application of Collaborative Model of Regional Agricultural Products E-commerce and Cold Chain Logistics Composite System: Taking Six Mid-China Provinces as Example.....Li Yumin, Hei Bolin, Yan Kaili, et al.  
李玉民, 黑柏林, 闫凯丽, 等

43	区域产业结构调整下县域城市物流需求空间关联协同研究	邓晓臻, 陈思, 汤银英
	Research on Spatial Correlation and Synergy of County-level Urban Logistics Demand under Regional Industrial Structure Adjustment	Deng Xiaozhen, Chen Si, Tang Yinying
51	运输业对我国经济增长的产出弹性测算—基于PIM永续盘存法的视角	唐卞, 史月兰, 肖伶俐
	Calculation of Output Elasticity of Transportation Industry in Economic Growth of China Using PIM Perpetual Inventory Method	Tang Bian, Shi Yuelan, Xiao Lingli
59	基于熵值法的广西生鲜农产品物流节点城市评价	周燕蓉
	Evaluation of Fresh Agricultural Products Logistics Node Cities in Guangxi Based on Entropy Evaluation Method	Zhou Yanrong
64	云南生鲜农产品流通效率影响因素分析	唐秀英, 崔光迪, 冷雪梅, 等
	Analysis of Influence Factors of Circulation Efficiency of Fresh Agricultural Products in Yunnan	Tang Xiuying, Cui Guangdi, Leng Xuemei, et al.
68	四川藏区物流经济的减贫效应空间分析—以甘孜州18县市为例	王喆, 眭天玉, 王玮
	Spatial Analysis on Poverty Reduction Effect of Logistics Economy in Tibetan Area of Sichuan Province: Take 18 Counties and Cities in Ganzi Tibetan Autonomous Prefecture as Example	Wang Zhe, Sui Tianyu, Wang Wei
72	集装箱远洋多式联运网络配流问题研究	辜勇, 袁源乙, 李雨, 等
	Research on Flow Allocation of Ocean-going Multimodal Container Transportation Network	Gu Yong, Yuan Yuanyi, Li Yu, et al.
77	考虑碳排放的煤炭铁海联运路径优化	陈红梅, 宋浩贤, 田然
	Path Optimization of Coal Railway-sea Transportation Considering the Carbon Emissions	Chen Hongmei, Song Haoxian, Tian Ran
83	城市建筑垃圾临时性消纳场所动态布局	杨楠, 穆东, 郑凯
	Dynamic Layout of Temporary Disposal Sites for Urban Construction Waste	Yang Nan, Mu Dong, Zheng Kai
88	考虑交叉口情况的公交专用道网络研究	顾悠扬, 马晓旦, 夏晓梅, 等
	Research on Dedicated Bus Lane Network Considering Intersection Situation	Gu Youyang, Ma Xiaodan, Xia Xiaomei, et al.
94	最大容量路的扩张问题研究	刘耕
	Research on Expansion of Maximum Capacity Path	Liu Geng
97	基于碳配额交易的食品冷链物流配送路径优化模型	王长琼, 孙艺嘉
	Food Cold Chain Logistics Distribution Path Optimization Model Based on Carbon Quota Trade	Wang Zhangqiong, Sun Yijia
103	汽车后市场商业模式研究	王利, 张辰昕, 潘飞宇, 等
	Research on Business Mode of Automotive Aftermarket	Wang Li, Zhang Chenxin, Pan Feiyu, et al.
108	基于结构方程模型的公交出行意向	王世佳
	Bus Taking Intention Based on SEM	Wang Shijia



英文翻译 方威  
蔡晓冉  
排版 章俊松

# 目次

## CONTENTS



### 本刊启事

本刊于2019年1月1日正式启用在线投稿系统, 欢迎作者登陆网站 <http://www.logisticstech.com>, 在“作者中心”注册在线投稿。

《物流技术》杂志社

## 供应链管理 Supply Chain Management

- 112 面向个性化定制的珠宝众包供应链创新模式及运作机制 吴 绒  
Innovation Mode and Operation Mechanism of Jewelry Crowdsourcing Supply Chain for Individualized Customization.....Wu Rong

## 企业物流 Enterprise Logistics

- 119 板坯库智慧物流管理探析与展望 李会朝, 杨爱华, 郭海光, 等  
Analysis and Prospect of Smart Logistics Management in Slab Yard  
.....Li Huichao, Yang Aihua, Guo Haiguang, et al.
- 124 非物流数据条件下对物流需求预测的实用性研究 石 川  
Research on Practicability of Non-logistics Data in Logistics Demand Forecasting  
.....Shi Chuan

## 设施与设备 Facilities & Equipment

- 129 巷道堆垛机行走轮系专用拆卸工具 王 东, 刘亚男  
Special Disassembly Tool for Running Wheel Train of Laneway Stacker  
.....Wang Dong, Liu Yanan
- 133 食用菌工厂化生产线控制系统设计 钱振华, 王秦越, 何彦虎, 等  
Design of Control System of Edible Fungus Factory Production Line  
.....Qian Zhenhua, Wang Qinyue, He Yanhu, et al.

## 网络与信息化 Internet & Informatization

- 137 区块链技术在逆向物流信息系统中的应用 胡奥运, 邹安全, 党镇宇, 等  
Application of Blockchain Technology in Reverse Logistics Information System  
.....Hu Aoyun, Zou Anquan, Dang Zhenyu, et al.
- 142 基于物联网技术的物流实验室远程监控系统 蒋林华, 柯育华  
Remote Monitoring System for Logistics Laboratory Based on Internet of Things Technology  
.....Jiang Linhua, Ke Yuhua

## 物流教育 Logistics Education

- 147 高端技能型物流管理人才培养生成路径研究—以沈阳理工大学为例 纪国涛, 董 宇  
Research on Cultivation Path of High-end Skilled Logistics Management Talents: In the Case of Shenyang Ligong University.....Ji Guotao, Dong Yu
- 153 课程思政视域下《现代物流学》教学改革与实践 鄢良国, 孙荷琴, 姚 敏, 等  
Teaching Reform and Practice of Modern Logistics Course: Perspective of Course-embedded Ideological and Political Education.....Yan Liangguo, Sun Heqin, Yao Min, et al.
- 157 慕课教学模式在军事物流类课程中的应用 高 瑞, 杨玉琦, 张大鹏  
Application of MOOC Teaching Mode in Military Logistics Courses  
.....Gao Rui, Yang Yuqi, Zhang Dapeng