



Q K 1 7 3 2 5 5 2

**I  
E&M**

中国科技论文统计源期刊（核心期刊）

国家自然科学基金委员会管理科学部认定管理科学重要期刊

中文社会科学引文索引（CSSCI）来源期刊

中文核心期刊



# 工业工程与管理

INDUSTRIAL ENGINEERING AND MANAGEMENT

VOLUME 22, NUMBER 5

October 2017

5/2017

# 目 次

## 理论与方法

- |                                |                  |
|--------------------------------|------------------|
| 1 多目标独占性电动汽车路径问题建模与优化          | 贾永基,郭文娟,杨东       |
| 9 二维质保产品的柔性预防性维护策略研究           | 戴安舒,何桢,刘子先,等     |
| 17 基于延迟策略的服务型制造系统决策分析          | 罗建强,李昊,彭永涛,等     |
| 24 固定路径下多阶段货位调整研究              | 徐翔斌,李秀           |
| 32 分层混合遗传算法求解柔性作业车间调度问题        | 田曼,刘人境           |
| 40 基于精炼缓冲时长设置的废钢铁再制造生产调度研究     | 陈伟达,钱强飞          |
| 48 基于扰动模糊聚类的项目组合选择             | 王林,白思俊,尚震,等      |
| 54 基于约束理论的串联型港口装卸系统多机机会维护方法    | 张小杰,陶辛阳,夏唐斌,等    |
| 59 考虑配送期限的快递物流服务定价策略研究         | 卢超,张康康,陶杰        |
| 65 带有逻辑选择关系的单边装配线平衡问题          | 彭运芳,范庆彬,张丽玉,等    |
| 74 基于离散事件优化的流水线集成优化设计研究        | 张梦怡,Andrea Matta |
| 81 中国智能汽车产业竞争力动态演进规律研究         | 曹玉红,尤建新,王瑞       |
| 88 基于肌肉骨骼负荷的上肢姿势不舒适度评价方法       | 张丽珍,邵祺,杨加庆,等     |
| 94 基于后悔值准则的个性化产品鲁棒调度           | 许晓晴,张宗明,林军,等     |
| 102 装配和制造综合的公差分配优化设计           | 李砾,孟健,潘尔顺        |
| 107 基于随机规划的孕妇产检时间指派优化研究        | 易佳琪,周利平,耿娜       |
| 114 基于 FMEA 的网购服务失误预防模型        | 韩亚娟,尹纯,彭运芳,等     |
| 120 心理契约破裂和员工沉默行为:一个被调节的中介作用模型 | 张璇,龙立荣,夏冉        |
| 128 虚拟社区互动性对迭代创新绩效影响的实证研究      | 张杰盛,李海刚,韩丽川      |
| 135 碳税政策下多目标再制造物流网络优化          | 程发新,李莉,潘婷        |
| 142 产品回收数量不确定的再制造优化问题研究        | 梁工谦,闫峰,唐松祥,等     |
| 150 多阶段灾后救援选址-路径模型及求解算法        | 陈业华,白静,李兴源       |
| 158 秒杀活动中幸运忠诚效应及失败归因研究         | 李东进,马明龙,张成虎      |

## 信息报道

征订启事(164)

(封面设计:王琦)

期刊基本参数:CN31-1738/T \* 1996 \* b \* 16 \* 164 \* zh \* P \* ¥15.00 \* 3100 \* 23 \* 2017-10

## Industrial Engineering and Management CONTENTS

Bimonthly

Vol. 22, No. 5

October 10, 2017

### THEORY AND APPROACHES

- 1 Modeling and Optimization on Multi-objective Exclusive Electric Vehicle Routing Problem ..... JIA Yong-ji, GUO Wen-juan, YANG Dong
- 9 Study on the Flexible Preventive Maintenance Strategy for Products Sold with Two-dimensional Warranty ..... DAI An-shu, HE Zhen, LIU Zi-xian, et al
- 17 Analysis of Service-Oriented Manufacturing System Based on Postponement Strategy ..... LUO Jian-qiang, LI Hao, PENG Yong-tao, WU Qi-fei
- 24 Research on Route-based Multi-staged Storage Location Adjustment ..... XU Xiang-bin, LI Xiu
- 32 Solving Flexible Job-shop Scheduling Problem Based on Hierarchical Hybrid Genetic Algorithm ..... TIAN Min, LIU Ren-jing
- 40 Research on Scheduling in Iron and Steel Scrap Remanufacturing Based on the Refining Buffer Time's Setup ..... CHEN Wei-da, QIAN Qiang-fei
- 48 A Project Portfolio Selection Model Based on Disturbing-valued Fuzzy Clustering ..... WANG Lin, BAI Si-jun, SHANG Zhen, et al
- 54 Opportunistic Maintenance Policy for Series Port Handling Systems Based on Theory of Constraints ..... ZHANG Xiao-jie, TAO Xin-yang, XIA Tang-bin, et al
- 59 A Delivery Time Based Service Pricing Study for Express Logistics Enterprises ..... LU Chao, ZHANG Kang-kang, TAO Jie
- 65 Unilateral Assembly Line Balancing Problem with Alternative Precedence Constraints ..... PENG Yun-fang, FAN Qing-bin, ZHANG Li-yu, et al
- 74 Joint Optimization Design of Open Flow Lines Using Discrete Event Optimization ..... ZHANG Meng-yi, MATTIA Andrea
- 81 Research on the Dynamic Evolution Mechanism of Chinese Intelligent Auto Industry Competitiveness ..... CAO Yu-hong, YOU Jian-xin, WANG Rui
- 88 Upper Limb Posture Discomfort Assessment Method Based on Musculoskeletal Loads ..... ZHANG Li-zhen, SHAO Qi, YANG Jia-qing, et al
- 94 Robust Scheduling of Personalized Products Based on Regret Criterion ..... XU Xiao-qing, ZHANG Zong-ming, LIN Jun, et al
- 102 Optimal Tolerance Allocation Plan for the Combination of the Assembly and Manufacturing ..... LI Shuo, MENG Jian, PAN Er-shun
- 107 A Stochastic Programming Based Approach for Perinatal Examination Appointment Scheduling Optimization ..... YI Jia-qi, ZHOU Li-ping, GENG Na
- 114 Research on Failure Prevention Model of Online Shopping Service Based on FMEA ..... HAN Ya-juan, YIN Chen, PENG Yun-fang, et al
- 120 Psychological Contract Breach and Employee Silence: A Moderated Mediation Effect Model ..... ZHANG Xuan, LONG Li-rong, XIA Ran
- 128 An Empirical Study of Influence of Virtual Community Interactivity on Iterative Innovation ..... ZHANG Jiesheng, LI Haigang, HAN Lichuan
- 135 Multi-objective Re-manufacturing Logistics Network Optimization under Carbon Tax Policy ..... CHENG Fa-xin, LI Li, PAN Ting
- 142 Manufacturing and Remanufacturing Optimization Problem with Return Collection Uncertainty ..... LIANG Gong-qian, YAN Feng, TANG Song-xiang, et al
- 150 Model and Algorithm for Location-Routing of Multi-Stage Post-Disaster Emergency Rescue ..... CHEN Ye-Hua, BAI Jing, LI Xing-Yuan
- 158 Research on Lucky Loyalty Effect and Attribution of Failure in Second-killing ..... LI Dong-jin, MA Ming-long, ZHANG Cheng-hu

### INFORMATION

Others(164)

汪道涵先生为本刊题写的刊名

# 工业工程与管理

本刊系

“中国期刊方阵”双效期刊

“中国科技论文统计源”期刊

国家自然科学基金委员会管理科学部认定管理科学重要期刊

中文核心期刊

中文社会科学引文索引（CSSCI）来源期刊

“中国学术期刊光盘版”全文收录期刊

“中国期刊网”全文收录期刊

“中国学术期刊综合评价数据库”全文收录期刊

“中国科学引文数据库”来源期刊

“万方数据资源系统数字化期刊群”入网期刊

“中文科技期刊数据库”原文收录期刊

“中国期刊全文数据库”全文收录期刊

英国 IEE 收录期刊

教育部优秀科技期刊



ISSN 1007-5429

10>  
9 771007 542176

国内统一连续出版物号：CN 31-1738/T 邮发代号：4-585