



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 25, NUMBER 3

June 2020

3/2020

目 次

理论与方法

1 基于综合性能退化的生产系统缓存配置及维护更新策略田雪雁,潘尔顺

10 基于多智能体的分级诊疗仿真与优化研究苏 强,申晓君,胡依群

19 考虑消费者有限理性行为的智能产品订购策略段永瑞,刘 歌

27 考虑竞争和信息不对称的低碳供应链协调策略研究王伟冬,李小燕

34 电商参与融资的农产品供应链运营决策研究霍 红,贾雪莲,徐玲玲

42 制造业与物流业耦合对制造企业生产率的影响——基于产业共生视角苏涛永,张亮亮,赵 鑫

50 过度自信对复杂产品风险管理的双重影响王经略,周国华

59 基于产品技术共享的代工式供应链协调策略殷 哲,吴 娇

66 考虑政府补贴的环保托盘租赁供应链协调优化胡 芬,郑国华

75 考虑时变交通拥堵的污染路径优化研究葛显龙,冉小芬

86 改进蝙蝠算法在柔性制造系统环路布局的应用毛清华,张 友

94 消费者细分下考虑不同主导者的E-闭环供应链定价决策李春发,解雯倩,楚明森,等

103 效能评估能力指标体系熵权配置模型王 召,刘思峰,方志耕,等

110 Hotelling模型下不同势力零售商的非理性行为影响研究赵婉鹏,叶春明

117 面向加工时间可控的制造过程节能策略研究陈 赛,郑 宇,鲍劲松

126 考虑多种差异的云制造平台双边协调匹配策略研究赵道致,朱 颖

137 基于双重组合赋权的战略联盟生态伙伴选择场模型——以数字化转型为背景
.....李柏洲,尹 士,罗小芳

146 考虑网络外部性的在线广告定价策略研究段永瑞,戈 瑶

153 基于在线测量的多腔体零件批次容积波动控制方法黄德林,杜世昌

161 竞争情形下的拼团购商家最优定价及策略选择研究黄 曼,唐庆国,黄 甫

实验应用

171 面向高度时变不确定患者需求的急诊医生周排班方法研究杨 琨,刘玉欣,杨之涛,等

179 考虑批量流与换模时间的柔性生产线调度方法研究李 航,章 旸,叶鸿庆,等

(封面设计:王琦)

期刊基本参数:CN31-1738/T * 1996 * b * 16 * 188 * zh * P * ¥ 25.00 * 3100 * 22 * 2020-06

Industrial Engineering and Management
CONTENTS

Bimonthly

Vol. 25, No. 3

June 2020

THEORY AND APPROACHES

1	Strategy of Buffer Allocation, Maintenance and Replacement for Manufacturing Systems Based on Comprehensive Performance Deterioration	TIAN Xueyan, PAN Ershun
10	Research on Simulation and Optimization of Multi-Agent Hierarchical Medical System	SU Qiang, SHEN Xiaojun, HU Yiqun
19	Ordering Strategy for Intelligent Products Considering Consumer Bounded Rationality	DUAN Yongrui, LIU Ge
27	Study on the Coordination of Low-carbon Supply Chain Considering the Competition and Information Asymmetry	WANG Weidong, LI Xiaoyan
34	Research on Agricultural Supply Chain Operation Decision-making of E-commerce Participating in Financing	HUO Hong, JIA Xuelian, XU Lingling
42	The Impact of the Coupling of Manufacturing Industry and Logistics Industry on the Productivity of Manufacturing Enterprises: A Perspective of Industry Symbiosis	SU Taoyong, ZHANG Liangliang, ZHAO Xin
50	The Dual Impact of Overconfidence on the Risk Management of Complex Products and Systems	WANG Jinglue, ZHOU Guohua
59	Optimal Coordination Strategy for an OEM Supply Chain Based on Product Technology Sharing	YIN Zhe, WU Jiao
66	Coordination and Optimization of Environmental Pallet Leasing Supply Chain with Government Subsidies	HU Fen, ZHENG Guohua
75	Study on the Optimization of Pollution Routing Problem with Time-varying Traffic Congestion	GE Xianlong, RAN Xiaofen
86	Application of Improved Bat Algorithm in Loop Layout of Flexible Manufacturing System	MAO Qinghua, ZHANG You
94	Pricing Decision of E-closed-loop Supply Chain with Different Dominators under Consumer Segmentation	LI Chunfa, XIE Wenqian, CHU Mingsen, et al
103	Grey Entropy Weight Allocation Model for Effectiveness Evaluation Capability Index System	WANG Zhao, LIU Sifeng, FANG Zhigeng, et al
110	Research on the Influences of Irrational Behaviors of Retailers with Different Strength Levels Based on Hotelling Model	ZHAO Wanmei, YE Chunming
117	Research on Energy Saving Strategy for Manufacturing Process with Controllable Machining Times	CHEN Sai, ZHENG Yu, BAO Jinsong
126	A Strategy for Two-sided Coordination and Matching of Cloud Manufacturing Platform with Considering Multiple Differences	ZHAO Daozhi, ZHU Ying
137	A Novel Field Model for Ecological Partner Selection of Strategic Alliance Based on Dual Combination Weighting and Digital Transformation	LI Baizhou, YIN Shi, LUO Xiaofang
146	The Pricing Strategy of Online Advertising with Network Externality	DUAN Yongrui, GE Yao
153	Batch Volume Variation Control Method for Multi-Chamber Workpieces Based on Online Measurement	HUANG Deling, DU Shichang
161	The Optimal Pricing and Strategy Selection of Group-Buying Merchants under Competition Situation	HUANG Man, TANG Qingguo, HUANG Fu

PRACTICAL APPLICATION

171	A Heuristic Approach for Emergency Department Weekly Staffing and Scheduling Problem for Time-Varying Demands	YANG Kun, LIU Yuxin, YANG Zhitao, et al
179	Research on Flexible Production Line Scheduling with Lot Streaming and Setup Times	LI Hang, ZHANG Yang, YE Hongqing, et al

汪道涵先生为本刊题写的刊名

工業工程與管理

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



国内统一连续出版物号：CN 31-1738/T 邮发代号：4-585