

中国核心期刊(遴选)数据库 收录期刊



ISSN 1006-4311  
CN13-1085/N

Value Engineering

JIAZHI GONGCHENG

2019 3

上旬刊(总第519期/第38卷)

价值工程

中国商界文联 会刊

中国技术经济研究会价值工程专业委员会 会刊  
中国高等教育学会价值工程分会

中国期刊网 全文收录期刊  
中国学术期刊(光盘版)

中国学术期刊综合评价数据库来源期刊  
万方数据—数字化期刊群入网期刊  
中文科技期刊数据库收录期刊

ISSN 1006-4311



07>

9 771006 431068

万方数据



# 价值工程

# 目 录

2019年3月上旬刊(总第519期/第38卷)  
1982年创刊 2019年3月8日出版

## \* 价值管理 \*

基于直觉模糊层次分析法的P2P网贷个人信用风险评价研究  
..... 王佳欢等(1)

第三方物流企业核心竞争力的评价 ..... 宇成成等(4)

存款准备金率调整对中国股市影响的实证研究 ..... 曾华等(7)

PPP项目监管体系及其改善研究 ..... 柯洪等(10)

供给侧结构性改革下徐闻县应季水果滞销问题研究 ..... 周志勇等(16)

高铁与快递联合发展的可行性分析 ..... 高中豪等(20)

上海市近郊地区生态用地空间格局绩效评价及管控建议 ..... 安超(23)

基于AHP的管制员人因失误因素分析 ..... 李培等(30)

商品房价格影响因素的综合分析 ..... 肖文(33)

基于大型项目总包造价管理中的索赔途径探索与分析 ..... 谢宛平(37)

杜邦分析法在企业盈利模式分析中的应用研究 ..... 杨珉洋(40)

北疆地区天然气供应情况统计分析 ..... 李龙冬等(43)

地铁工程造价动态管理中的问题及措施研究 ..... 何建华(46)

市政工程施工中控制网的建立要求和特点 ..... 梁刚(49)

哈尔滨市人才引进政策分析与建议 ..... 朱于嘉(52)

Jack-up日费对钻修井机具比选的敏感性分析 ..... 郑清华(55)

我国房地产金融风险浅析 ..... 刘欣缘(58)

基于委托代理理论的车险道德风险博弈及防范措施 ..... 卫蓬(62)

## \* 价值链·供应链 \*

基于关键链的多地联合研发项目进度管理问题研究 ..... 王忠华(65)

企业数据能力构建供应链敏捷性的概念模型研究 ..... 袁欣等(69)

MC公司仓储作业中存在的问题及对策分析 ..... 汪燕等(72)

基于关键链技术在座椅项目进度管理中的应用研究 ..... 吴先林等(75)

## \* 功能载体创新 \*

利用L型水平井开展煤炭资源流态化开采关键技术 ..... 刘升贵等(79)

300m超高层多渐变幕墙附着滑触导轨式施工技术应用  
..... 田飞龙等(82)

公路高架桥跨电气化铁路顶推架设连续钢箱梁施工技术 ..... 金龙(87)

基于有限元软件的隧道开挖变形分析 ..... 魏盛昊(92)

沥青混凝土在复杂荷载作用下的力学特性研究 ..... 潘柯帆等(95)

AP1000核电厂室外氢气输送管道设计研究 ..... 杨振宇(99)

降低烧熔剂成本攻关实践 ..... 张振等(102)

不同材质铆钉疲劳寿命试验研究 ..... 胡健等(105)

中国商界文联 会刊  
中国技术经济研究会价值工程专业委员会 会刊  
中国高等教育学会价值工程分会 会刊

封面刊名题字:袁宝华

主管单位:

河北省科学技术协会

主办单位:

河北省技术经济管理现代化研究会

总 编:高志彪

总 编 室:师瑞

电 话:0311-87024742

编辑部:马慧霞

刘英禄

电 话:0311-83020178

0311-83036626

传 真:0311-87024742

投稿邮箱:vezzsbjb@163.com

网 址:www.vezzs.com

责任编辑:高生明

封面设计:王金军

版面设计:韩宇红

国际标准连续出版物号:ISSN 1006-4311

国内统一连续出版物号:CN 13-1085/N

国内邮发代号:18-2

国内订阅:全国各地邮局

国内发行:河北省报刊发行局

国外发行:中国国际图书贸易总公司

印 刷:廊坊市长岭印刷厂

编辑出版单位:价值工程杂志社

社 址:石家庄市槐安西路88号卓达

物业楼A501室

邮 编:050091

国内定价:30.00元人民币

海外定价:30.00美元

市政道路与桥梁施工质量问题的分析与监控 .....	刘荣辉(108)
科兴米山煤业瓦斯赋存规律与突出危险性预测 .....	廉振华等(111)
综采工作面运输自动化控制实现井上下控制系统的探索与应用 .....	谢秀成等(114)
充填层自密实混凝土质量控制 .....	姜维海(117)
A320 停留刹车故障分析与处理 .....	张倩等(120)
鲤城分离式中桥现浇梁满堂支架施工应用技术 .....	张秦英(124)
主斜井胶带机视频智能调速的研究 .....	舒汉国(127)
深水无覆盖层地区钢栈桥技术研究 .....	熊志刚(130)
倾斜煤层综放工作面停采段辅运巷注浆预加固技术实践 .....	陈力慧等(133)
大跨度三塔斜拉桥恒载索力及体外预应力测试分析 .....	刘文军等(136)
浅谈城市道路与地铁施工交叉工程管理 .....	梁新宇(139)
层状围岩施工变形控制施工技术研究 .....	于剑舟(142)

\* 价值应用 \*

系统约束下创业学习对创业实现的作用机理研究 .....	王祎等(145)
基于无人机低空遥感与 GIS 平台的农房建设监测 .....	徐震等(151)
基于单片机的 PM2.5 检测仪设计 .....	姚展(154)
论电力区域信息资源和能力共享 .....	王振达(157)
基于 PLC 的程序扫描顺序探究 .....	王治学(160)
室内停车场停车导航系统的方案设计 .....	廖世芳等(162)
超高压 $\pi$ 接输电线路电气不平衡度及换位研究 .....	田开庆(165)
酸性溶蚀作用下灰岩弱化化学效应的试验研究 .....	王越(168)
基于 ZigBee 的校园湖泊水质监测 .....	何蕊等(171)
BIM 技术在厦门地铁 1 号线轨道工程施工中的应用 .....	张峰(174)
玄武岩纤维沥青混合料低温抗裂性能试验研究 .....	顾倩倩等(177)
材料价差在铁路工程项目责任成本预算编制中的应用 .....	惠志民(180)
基于 $L_{1,2}$ 的组稀疏投资选择模型 .....	贺露露等(183)

\* 理论综述 \*

关于借壳上市的文献综述 .....	万许元(187)
小电流接地选线综述 .....	刘仕萍等(190)
基于区块链技术的碳金融市场发展模式初探 .....	冀宣齐(193)

**郑重声明**

- 1、本刊所刊内容未经书面许可,任何部分不得以任何形式翻印、转载、复制,及存储于检索系统,提供给公众或私人使用。
- 2、来稿在 15 个工作日内给予回复录用与否,若未收到回复信息,请来信来电咨询稿件进展。来稿正常刊登周期为 3 个月内,未录用者可自行处理。请勿一稿多投,不涉及保密、署名无争议,请作者自留底稿,恕不退稿。
- 3、编辑部对来稿文章标题、内容、参考文献等保留删修权,不同意删修的稿件请在来稿中声明。
- 4、本刊已被“中国知网、万方数据数字化期刊群、中文科技期刊数据库”收录。凡向本刊投稿作者,若不同意在上述数据库收录,请在来稿注明。

**Value Engineering**  
**(VE)**  
 Fortnightly Issue  
 Started in 1982  
 Vol.38 3.a  
 (Sum No.519)  
 Published in Mar. 8, 2019

**Inscribed:**  
 Yuan Baohua  
**Executive Editor-in-chief:**  
 Gao Zhibiao  
**Manager:**  
 Hebei Association for  
 Science and Technology  
**Sponser:**  
 Hebei Institute of  
 Technology Economy and  
 Modern Management

**Chief Edior's Department:**  
 Shi Rui  
**Editor:**  
 Editorial Team of VE  
**Publisher:**  
 Magazine Publishing House of VE  
**Address:**  
 Room A501, Zhuoda Property  
 House, No.88 Huai'an Road  
**Tel:** (0311) 87024742  
**E-mail:**  
 vezzshjb@163.com

**Printed by:**  
 Changling Printing House,Langfang  
**Distributor:**  
 Shijiazhuang Post Office  
**Subscriptions:**  
 Chinese Local Post Office  
**Domestic Issue Code:** 18-2  
**Domestic Single Price:**  
 ¥30.00  
**Overseas Single Price:**  
 \$ 30.00  
**Open Publishing**  
**ISSN 1006-4311**  
**CN 13-1085/N**

# CONTENTS

## VALUE MANAGEMENT

1 Research on Personal Credit Risk Evaluation of P2P Online Credit Based on Intuitionistic Fuzzy Analytic Hierarchy Process .....	WANG Jia-huan, <i>et al.</i>
4 Evaluation of the Core Competitiveness of the Third Party Logistics Enterprises .....	YU Cheng-cheng, <i>et al.</i>
7 An Empirical Study on the Impact of Deposit Reserve Rate Adjustment on China's Stock Market .....	ZENG Hua, <i>et al.</i>
10 Research on Regulatory System and its Improvement of PPP Projects .....	KE Hong, <i>et al.</i>
16 Study on the Slow-selling Problem of Seasonal Fruits in Xuwen County under the Supply-side Structural Reform .....	ZHOU Zhi-yong, <i>et al.</i>
20 Feasibility Analysis of Joint Development of High-speed Rail and Express Delivery .....	GAO Zhong-hao, <i>et al.</i>
23 Evaluation of Spatial Pattern Performance of Ecological Land in Suburban Areas of Shanghai and Suggestions of Management and Control .....	AN Chao
30 Analysis of Human Error Factors of Air Traffic Controllers Based on AHP .....	LI Pei, <i>et al.</i>
33 Comprehensive Analysis of Factors Influencing Commodity House Price .....	XIAO Wen
37 Exploration and Analysis of Claim Path in Cost Management of Large-Scale Projects General Contractor .....	XIE Wan-ping
40 Application Research of DuPont Analysis Method in Enterprise Profit Model Analysis .....	YANG Min-feng
43 Statistical Analysis of Natural Gas Supply in Northern Xinjiang .....	LI Long-dong, <i>et al.</i>
46 Research on Problems and Measures in Dynamic Management of Subway Engineering Cost .....	HE Jian-hua
49 Requirements and Characteristics of the Establishment of Control Network in Municipal Engineering Construction .....	LIANG Gang
52 Harbin Talent Introduction Policy Analysis and Recommendations .....	ZHU Yu-jia
55 Sensitivity Analysis of Jack-up Day Rate to Selection of Drilling and Workover Facilities .....	ZHENG Qing-hua
58 Analysis on the Financial Risk of Real Estate in China .....	LIU Xin-yuan
62 Vehicle Insurance Moral Risk Game Based on Principal-Agent Theory and Preventive Measures .....	WEI Peng

## VALUE CHAIN·SUPPLY CHAIN

65 Research of Problem for Multi-addressed Development Project Progress Management Based on Critical Chain .....	WANG Zhong-hua
69 Research on Conceptual Model of Building Supply Chain Agility Based on Enterprise Data Capability .....	YUAN Xin, <i>et al.</i>
72 Problems and Countermeasures in Warehousing Operation of MC Company .....	WANG Yan, <i>et al.</i>
75 Research on the Progress Management of a Car Seat Project Based on Critical Chain .....	WU Xian-lin, <i>et al.</i>

## FUNCTION CARRIER INNOVATION

79 Key Technology of Coal Resource Fluidization Mining Using L-Type Horizontal Wells .....	LIU Sheng-gui, <i>et al.</i>
--	------------------------------

82 Application of 300m Super High-rise Multi-gradient Curtain Wall Attached Sliding Rail Type Construction Technology	TIAN Fei-long, <i>et al.</i>
87 Construction Technology of Continuous Steel Box Girder Erection by Jacking Method in Highway Viaduct Over Crossing Electrified Railway	JIN Long
92 Deformation Analysis of Tunnel Excavation Based on Finite Element Software	WEI Sheng-hao
95 Study on Mechanical Properties of Asphalt Concrete under Complex Loads	PAN Ke-fan, <i>et al.</i>
99 Research of Outdoor Hydrogen Transmission Pipeline of AP1000 Nuclear Power Plant	YANG Zhen-yu
102 Practice of Reducing the Cost of Sintering Flux	ZHANG Zhen, <i>et al.</i>
105 Experimental Study on Fatigue Life of Rivets with Different Materials	HU Jian, <i>et al.</i>
108 Analysis and Monitoring of Construction Quality Problems of Municipal Roads and Bridges	LIU Rong-hui
111 Gas Occurrence Law and Outburst Risk Prediction in Kexing Mishan Coal Industry	LIAN Zhen-hua, <i>et al.</i>
114 Exploration and Application of Automatic Control of Fully Mechanized Mining Face to Realize Upper and Lower Control System of Well	XIE Xiu-cheng, <i>et al.</i>
117 Quality Control of Filling Layer Self-compacting Concrete	JIANG Wei-hai
120 Analysis and Trouble-shooting of A320 Parking Brake System Faults	ZHANG Qian, <i>et al.</i>
124 Application Technology of Cast-in-place Beam Support Construction for the Licheng Split Bridge	ZHANG Qin-ying
127 Research on Video Intelligent Speed Regulation of Main Inclined Shaft Belt Machine	SHU Han-guo
130 Research on Steel Trestle Technology in Deep Water Uncovered Area	XIONG Zhi-gang
133 Practice of Grouting Pre-reinforcement Technology in Auxiliary Tunnel of Stop-production Section of Fully Mechanized Caving Face in Inclined Seam	CHEN Li-hui, <i>et al.</i>
136 Analysis of Load-bearing Cable Force and External Prestress Test of Long-span Three-stay Cable-stayed Bridge	LIU Wen-jun, <i>et al.</i>
139 Discussion on the Cross-project Management of Urban Road and Subway Construction	LIANG Xin-yu
142 Research on Construction Technology of Deformation Control of Layered Surrounding Rock	YU Jian-zhou

### VALUE APPLICATION

145 Research on the Mechanism of Entrepreneurship Learning to Undergraduates' Entrepreneurship Realization under System Constraints	WANG Yi, <i>et al.</i>
151 Monitoring of Rural Housing Construction Based on UAV Low Altitude Remote Sensing and GIS Platform	XU Zhen, <i>et al.</i>
154 Design of PM2.5 Detector Based on Single Chip Microcomputer	YAO Zhan
157 Discussion on Power Regional Information Resources and Capability Sharing	WANG Zhen-da
160 Research on Program Scanning Sequence Based on PLC	WANG Zhi-xue
162 Scheme Design of Indoor Parking Navigation System	LIAO Shi-fang, <i>et al.</i>
165 The Research of Electric Imbalance and Transposition for PI Transmission Line	TIAN Kai-qing
168 Experimental Study on Limestone Weakening Mechanical Effects under Acid Dissolution	WANG Yue
171 ZigBee-based Campus Lake Water Quality Monitoring	HE Rui, <i>et al.</i>
174 Application of BIM Technology in the Construction of Xiamen Metro Line 1 Track Project	ZHANG Feng
177 Experimental Study on Low Temperature Crack Resistance of Basalt Fiber Asphalt Mixture	GU Qian-li, <i>et al.</i>
180 Application of Material Price Difference in the Budgeting of Railway Engineering Project Responsibility Cost	HUI Zhi-min
183 Group Sparse Portfolio Selection Model Based on $L_{1,12}$	HE Lu-lu, <i>et al.</i>

### THEORETICAL REVIEW

187 A Literature Review on Backdoor Listing	WAN Xu-yuan
190 Review of Small Current Grounding Line Selection	LIU Shi-ping, <i>et al.</i>
193 Preliminary Study on the Development Model of Carbon Financial Market Based on Blockchain Technology	JI Xuan-qi



# 2015第三届价值工程与项目管理国际会议

◇ 剪影 ◇



北京航空航天大学党委副书记、  
副校长、中国工程院院士张军



美国价值工程师协会主席  
玛丽安·刘易斯



米兰比科卡大学教授、IEEE  
系统杂志总编Vincenzo Piuri



终身价值专家、博士、台湾  
新竹交通大学教授张柏毅



北京市工程咨询公司  
副总经理王革平



西南财经大学副教授、北京价  
值工程学会副秘书长张汉鹏

