

中国核心期刊（遴选）数据库 收录期刊

Value Engineering

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

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

CN13-1085/N

JIAZHI GONGCHENG

2020 7

中旬刊（总第 568 期 / 第 39 卷）

价值工程

ISSN 1006-4311



9 771006 431068



万方数据

价值工程

2020年7月中旬刊 (总第568期 / 第39卷)
1982年创刊 2020年7月18日出版

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
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

总顾问：管在源

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

投稿信箱：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：石家庄槐安西路88号

邮 编：050091

国内定价：30.00元人民币

海外定价：30.00美元

目 录

* 特别关注 *

- 新冠肺炎疫情下预算会计课程在线教学模式初探 党荣(1)
疫情谣言的真相与消除其负面影响的建议 包宏艳等(3)
疫情期间土木工程施工线上教学探索与思考 田忠喜等(5)
《管理学》视域下疫情防控体系构建 冯玉玺等(8)

* 价值管理 *

- 水利工程超概算的原因及控制措施 成果(10)
面向绿色发展的电网企业环境管理体系研究 吴科成等(12)
价值工程在城市轨道交通建设管理中的应用 文杰(14)
新冠疫情背景下对完善旅游公共服务体系的思考 陈兰(16)
基于故障模式的飞机部附件修理价格模型研究 许旺等(18)
长租公寓内装装配式成本研究 许天知(21)
结合 6S 管理与 PDCA 循环创新电气控制实训室管理理念 阮文韬等(23)
安徽省扶贫小额信贷效果与问题分析 余海萍(25)
小型农田水利工程的现状与治理措施的分析与研究 邓凯(27)
对城市公共文化空间建设的思考 吴恒德(29)
建设工程招标代理服务质量提升策略管窥 唐德群(31)
公路工程造价的影响因素研究 金珠等(33)
提高农村公路养护管理水平和质量的路径探索 张英华(37)
事业单位奖励性绩效工资项目合理性问题研究 季晓勇(39)
绿色矿山建设探索与实践 罗准等(41)
房建住宅项目主体建设施工阶段的质量控制与管理 郑恩梅等(43)
如何完善和健全消防监督管理的新机制研讨 赵衍宁(45)
抽水蓄能电站勘察设计招标最高投标限价编制探讨 丁师伟(47)
土壤修复工程环境监理的问题和建议 邓忆凯等(49)
中小微企业营销管理问题及对策分析 郭娅娜(51)
浅析当前高校工程修缮管理的现状及其改善措施 娄伟(53)
建筑工程的预算控制与造价管理问题思路构架实践 胡彦军(55)
浅谈工程咨询类项目人员管理的实务操作经验 欧阳晶晶(57)
高校图书馆智能化管理思考 郑君(59)
营改增对电力工程造价的影响研究 沈丽娜(61)
沈阳市开发边界划定与三线协同研究 范婷婷等(63)
大学生村官助推乡风文明建设 董绍增等(65)
安徽科技型中小企业培育和创新能力提升对策研究 伍文生(67)
区级财政补贴背景下的社区微巴发展特征与优化策略研究 陈文锴等(69)

- 电力系统及其自动化技术的安全控制问题和对策 廉国胜(72)
基于改进熵值法的唐山市新型城镇化质量评价体系的构建 李玉光等(74)
实践视角下国家事业单位房屋档案管理的现状与探讨 郭晓敏等(76)
工程造价的风险管理 张贵华等(79)
数字金融风险区域差异比较研究 赵潇潇(81)
重大危机应对审视与韧性社区构建研究 马烨(83)
高速公路长大隧道火灾应急策略研究 王劲惠等(85)
浅谈我国体育产业发展 张登银(88)
高新技术企业竞争力及其核心内容研究 赵颜渊(90)

人民币实际汇率对中美出口贸易产品技术结构的影响	李丽钗(92)	中小学校园建筑人性化设计探究	安国(181)
强化的安全培训教育对建筑工人安全行为的作用	陈梅(95)	基于融合出版的语言保护应用策略	林小玲(183)
浅析管理会计在行政事业单位中的应用研究	冯森(97)	“互联网+”推广民族文化综合服务平台	赵兹涵 等(185)
新形势下中小企业融资难融资贵困境与对策	谢向丹(99)	事理学理论下的地铁列车乘车空间设计研究	王汝婷 等(187)
江苏省知识产权发展与经济增长关系实证研究	成桂芳 等(101)	电气工程自动化技术在电力系统运行中的应用	凤瑞(189)
海外分散性超大规模工程项目管理模式优化策略	杨伟 等(105)	建筑室内排水系统的优化研究	张全堂(191)
中国住宅商品房平均销售价格的预测研究	陈睿玉(109)	基于 Node.js 的建筑能耗评估系统的设计	黄林成(193)
对寡头垄断市场的发展分析	孙敏(113)	如何顺利做好学校基建工程竣工结算的实践体会	余建锡(195)
* 价值链·供应链 *			
基于混合策略博弈的生鲜企业构建标准化冷链监管研究	曾世华 等(116)	高层建筑电气设计中低压配电系统安全性探讨	张会梅(197)
基于电子互联网的物资管理系统设计	李青(119)	合金钢辙叉 3D 打印修复技术关键参数分析	岳峰 等(199)
“互联网+”背景下柳州沙糖桔物流模式研究	黄丽艳 等(121)	基于 3S 的土地利用动态监测技术与应用研究	邓杨琼(203)
考虑消费者延迟购买行为的预售订货策略研究	陈瑞 等(124)	高速公路监控系统的自动化与智能化	陈宪威(205)
物联网技术在生鲜农产品冷链物流中的应用研究	陈祢 等(129)	基于再生细骨料湿法研磨整形技术及应用研究	吴琪(207)
中国制造业全球价值链分工地位研究综述	张玺(133)	贵州省土地利用分布的地形特征	姚勇(209)
基于蚁群算法西安旅游路线的优化研究	李梦丹(136)	航天发射领域突破性发展趋势分析	常建龙 等(212)
* 功能载体创新 *			
一种大倾角大采高综采工作面液压支架拆除技术	王虎(138)	基于电采信息系统的变压器台区线损成因分析	高志宏 等(214)
道路桥梁施工中预应力技术施工质量管理探究	陈福斌(140)	河北山地典型小流域面源污染特点分析	史亚梅 等(217)
双线地铁盾构施工引起的地表沉降分析及施工控制研究	李春英(142)	基于激光传感器的收费站入口管控系统研究	钟秋 等(219)
提升机盘形闸基础加固施工工艺	倪文娟(144)	迭代法在高加筋土边坡设计中的应用	李宏阶 等(222)
市政工程建设中加强施工质量管理研究	石志刚(146)	基于 OpenCV 的单目二维多机器人定位系统	陈仕勇(226)
石沟驿矿区综采工作面采动应力分布规律研究	魏阳(148)	不合理切坡建房工程活动导致的地质灾害	尹努寻 等(230)
高速公路路基排水设施调查与病害分析	罗大天 等(152)	基于大数据的涉烟情报合成作战体系构建	吴迪(233)
砂层地质浅埋暗挖隧道施工降水措施	计克伟(155)	关于下凹式绿地在道路设计中的应用	张鹏(235)
山谷型垃圾填埋场渗滤液计量方案探究	段永勃(158)	基于一体式子站系统的智能配电房监控技术的研究	欧丰华 等(237)
浅谈 VI 型凿井井架的结构组成与制作施工	刘春雨(160)	BIM 技术在施工阶段的应用探究	朱丽玲 等(239)
推进绿色矿山建设工作与实践	黎博翼 等(162)	电梯的安全隐患原因及监督检验对策	李锦和(242)
基于 GRA 的大理石粉水泥标准稠度用水量影响因素研究	李桂山 等(164)	工程地质勘察中钻探技术的应用	杨勇(244)
竞争性市场结构下网约车平台定价研究	徐莹(168)	河北山地河岸缓冲带群落结构及演替趋势研究	王雄宾 等(246)
一种工具式超大坡度斜屋面施工方法研究	李永胜 等(171)	* 工业工程 *	
* 价值应用 *			
高校贫困生精准资助途径初探	叶玉娣(173)	基于精益生产离散型制造企业现场改善	李晴(248)
基于 Android 的校园通 APP 的设计与实现	耿晨凯 等(176)	纺织产品生产现场分析与改进	刘曼俐 等(250)
UGC 模式下大学生技能共享平台搭建分析	朱雨馨 等(179)	基于 TRIZ 理论的手持自动纸箱封胶带机改进设计	曲慧霞 等(252)
* 理论综述 *			
美丽乡村背景下浙江省乡村旅游转型升级路径的理论探讨	单文君(254)		

Value Engineering
(VE)
 Fortnightly Issue
 Started in 1982
 Vol.39 7.b
 (Sum No.568)
 Published in Jul. 18, 2020

Inscribed:
 Yuan Baohua
General Counsel:
 Guan Zaiyuan
Executive Editor-in-chief:
 Gao Zhibiao
Manager:
 Hebei Association for
 Science and Technology
Sponsor:
 Hebei Institute of Technology
 Economy and Modern Management

Chief Editor's Department:
 Shi Rui
Editor:
 Editorial Team of VE
Publisher:
 Magazine Publishing House of VE
Address:
 No.88 Huai'an Road, Shijiazhuang
Tel: (0311) 87024742
E-mail:
 vezssbjb@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

SPECIAL FOCUS

- 1 On the Online Teaching Mode of Budget Accounting Course under the 2019-nCoV DANG Rong
 3 The Truth of the Epidemic Rumors and Suggestions to Eliminate Their Negative Effects BAO Hong-yan,*et al.*
 5 Exploration and Reflection on Online Teaching of Civil Engineering Construction during Epidemic Period TIAN Zhong-xi,*et al.*
 8 Construction of Epidemic Prevention and Control System from the Perspective of "Management" FENG Yu-xi,*et al.*

VALUE MANAGEMENT

- 10 Reasons and Control Measures of Water Conservancy and Hydropower Project Over-budget CHENG Guo
 12 Research on Environmental Protection Management System of Power Grid Enterprises Facing Green Development WU Ke-cheng,*et al.*
 14 Application of Value Engineering in Urban Rail Transit Construction Management WEN Jie
 16 On the Improvement of Tourism Public Service System under the Epidemic Situation of COVID-19 CHEN Lan
 18 Research on Repair Price Model of Aircraft Accessories Based on Fault Mode XU Wang,*et al.*
 21 Research on the Cost of Interior Assembly in Long-term Rental Apartment XU Tian-zhi
 23 Innovating the Management Concept of Electrical Control Training Room by Combining 6S Management and PDCA Cycle RUAN Wen-tao,*et al.*
 25 An Analysis of the Effect and Problems of Microfinance for Poverty Alleviation in Anhui Province YU Hai-ping
 27 Analysis and Research on the Status Quo and Control Measures of Small Farmland Water Conservancy Projects DENG Kai
 29 Thoughts on the Construction of Urban Public Cultural Space WU Heng-de
 31 A Restricted View on the Strategy of Improving the Quality of Tendering Agency Service TANG De-qun
 33 Research on Influencing Factors of Highway Engineering Cost JIN Zhu,*et al.*
 37 The Path of Improving the Level and Quality of Rural Highway Maintenance Management ZHANG Ying-hua
 39 Research on the Rationality of Incentive Performance Wage Projects in Institutions JI Xiao-yong
 41 Exploration and Practice of Green Mine Construction LUO Zhun,*et al.*
 43 Quality Control and Management of the Main Construction Phase of Housing Projects ZHENG En-mei,*et al.*
 45 How to Perfect the New Mechanism of Fire Supervision and Management ZHAO Yan-ning

47 Discussion on the Compilation of the Maximum Bid Price in the Investigation and Design Bidding of Pumped Storage Power Station	DING Shi-wei
49 Problems and Suggestions of Environmental Supervision of Soil Remediation Project	DENG Yi-kai, <i>et al.</i>
51 Analysis of Marketing Management Problems of Small and Medium Enterprises and Countermeasures	GUO Ya-na
53 Analysis of the Current Status and Improvement Measures of Engineering Repair Management in Colleges and Universities	LOU Wei
55 Practice of Budget Control and Cost Management of Construction Engineering	HU Yan-jun
57 On the Practical Operation Experience of Personnel Management in Engineering Consulting Projects	OUYANG Jing-jing
59 Thinking on the Intelligent Management of University Library	ZHENG Jun
61 Research on the Impact of the Change from Business Tax to Value-Added Tax on the Cost of Power Engineering	SHEN Li-na
63 Research on Development Boundary Demarcation and Three-line Coordination in Shenyang City	FAN Ting-ting, <i>et al.</i>
65 Construction of Rural Civilization Promoting by University Student Village Officials	DONG Shao-zeng, <i>et al.</i>
67 Research on the Countermeasures for Cultivation of SMEs in Anhui Province and Improvement of Innovation Capability	WU Wen-sheng
69 Research on Development Characteristics and Optimization Strategy of Community Microcirculation Bus under the Background of District Financial Subsidies	CHEN Wen-kai, <i>et al.</i>
72 Problems and Countermeasures of Safety Control in Power System and Its Automation Technology	LIAN Guo-sheng
74 The Construction of the New Urbanization Quality Evaluation System of Tangshan Based on the Improved Entropy Method	LI Yu-guang, <i>et al.</i>
76 The Current Situation and Discussion of Housing Archives Management in National Institutions from the Perspective of Practice	GUO Xiao-min, <i>et al.</i>
79 Risk Management of Project Cost	ZHANG Gui-hua, <i>et al.</i>
81 A Comparative Study of Regional Differences in Digital Financial Risk	ZHAO Xiao-xiao
83 A Study on Critical Crisis Response and Resilient Community Construction	MA Ye
85 Study on Fire Emergency Strategies of Long and Large Tunnel in Expressway	WANG Jin-hui, <i>et al.</i>
88 On the Development of Sports Industry in China	ZHANG Deng-yin
90 Research on the Competitiveness of High-tech Enterprises and Its Core Content	ZHAO Yan-yuan
92 The Impact of RMB Actual Rate on the Technical Structure of Sino-US Export Trade Products	LI Li-chai
95 The Effect of Strengthening Safety Training and Education on Safety Behavior of Construction Workers	CHEN Mei
97 Analysis on the Application Research of Management Accounting in Administrative Institutions	FENG Miao
99 Difficulties and Countermeasures for SMEs in Financing Difficulties	XIE Xiang-dan
101 An Empirical Study on the Relationship between Intellectual Property Development and Economic Growth in Jiangsu Province	CHENG Gui-fang, <i>et al.</i>
105 Optimization Strategy of the Management Model of Overseas Decentralized Super-Scale Construction Projects	YANG Wei, <i>et al.</i>
109 Study on the Prediction of the Average Selling Price of Commercial Housing in China	CHEN Rui-yu
113 Analysis of the Development of Oligopoly Market	SUN Min

VALUE CHAIN·SUPPLY CHAIN

116 Research on the Construction of Standardized Cold Chain Supervision of Fresh Food Enterprises Based on Mixed Strategy Game	ZENG Shi-hua, <i>et al.</i>
--	-----------------------------

119 Material Management Design Based on Electronic Internet	LI Qing
121 Logistics Mode of Liuzhou's Sugar Orange under the Background of "Internet +"	HUANG Li-yan, <i>et al.</i>
124 Study on the Ordering Strategy of Advance Selling Considering the Delayed Purchasing Behavior of Consumers	CHEN Rui, <i>et al.</i>
129 The Study on Application of Internet of Things Technology in Cold Chain Logistics of Fresh Agricultural Products	CHEN Mi, <i>et al.</i>
133 A Summary of Research on the Division of Labor in the Global Value Chain of Chinese Manufacturing Industry	ZHANG Xi
136 Research on Optimization of Xi'an Tourism Route Based on Ant Colony Algorithm	LI Meng-dan

FUNCTION CARRIER INNOVATION

138 Demolition Technology of Hydraulic Support in Fully Mechanized Mining Face with Large Inclination and Large Mining Height	WANG Hu
140 Exploration on Construction Quality Management of Prestress Technology in Road and Bridge Construction	CHEN Fu-bin
142 Ground Settlement Analysis and Construction Control Study Caused by Double-line Metro Shield Construction	LI Chun-ying
144 Construction Technology of Foundation Reinforcement for Disc Brake of Elevator	NI Wen-juan
146 Research on Strengthening Construction Quality Management in Municipal Engineering Construction	SHI Zhi-gang
148 Research on Mining Stress Distribution Law of Fully Mechanized Coal Mining Face in Shigouyi Mining Area	WEI Yang
152 Investigation and Disease Analysis of Expressway Subgrade Drainage Facilities	LUO Da-tian, <i>et al.</i>
155 Measures of Lowering the Water Level in the Sand Layer Geological Shallow-buried Excavation Tunnel Construction	JI Ke-wei
158 Research on Leachate Metering Scheme of Valley Landfill	DUAN Yong-bo
160 Discussion on the Structure and Manufacture of VI-type Well-drilling Derrick	LIU Chun-yu
162 Promoting Green Mine Construction and Practice	LI Bo-yi, <i>et al.</i>
164 Study on Influencing Factors of Standard Consistency Water Consumption of Marble Powder Cement Based on GRA	LI Gui-shan, <i>et al.</i>
168 Research on Pricing of Online Car Rental Platform under Competitive Market Structure	XU Ying
171 Study on the Construction Method of a Tool Type Super Slope Inclined Roof	LI Yong-sheng, <i>et al.</i>

VALUE APPLICATION

173 Exploration on the Ways of Accurate Funding for Poor College Students	YE Yu-di
176 The Design and Implementation of Campus APP Based on Android	GENG Chen-kai, <i>et al.</i>
179 Analysis on the Construction of College Student Skill Sharing Platform under UGC Mode	ZHU Yu-xin, <i>et al.</i>
181 Exploration on the Humanized Design of the Primary and Middle School Campus Architecture	AN Guo
183 Application Strategy of Language Protection Based on Fusion Publishing	LIN Xiao-ling
185 "Internet+" Comprehensive Service Platform to Promote National Culture	ZHAO Zi-han, <i>et al.</i>
187 Research on Subway Train Passenger Space Design Based on Physics Theory	WANG Ru-ting, <i>et al.</i>
189 Application of Electrical Engineering Automation Technology in Power System Operation	FENG Rui
191 The Optimization Research of Building Indoor Drainage System	ZHANG Quan-tang
193 Design of Building Energy Consumption Evaluation System Based on Node.js	HUANG Lin-cheng

195 Practical Experience of the Completion Settlement of School Infrastructure Projects	YU Jian-xi
197 Discussion on the Safety of Low Voltage Power Distribution System in High-rise Building Electrical Design	ZHANG Hui-mei
199 Analysis of Key Parameters of 3D Printing Repair Technology for Alloy Steel Frogs	YUE Zheng, <i>et al.</i>
203 Research on Land Use Dynamic Monitoring Technology and Application Based on 3S	DENG Yang-qiong
205 Intelligence and Automation of Expressway Monitoring System	CHEN Xian-wei
207 Research and Application of Wet Grinding and Shaping Technology Based on Regenerated Fine Aggregate	WU Qi
209 Topographic Characteristics of Land Use Distribution in Guizhou Province	YAO Yong
212 Analysis of Breakthrough Development Trends in the Field of Aerospace Launches	CHANG Jian-long, <i>et al.</i>
214 Analysis of the Causes of Line Loss in Transformer Station Based on Electrical Gathering Information System	GAO Zhi-hong, <i>et al.</i>
217 Analysis on the Characteristics of Non-point Source Pollution in Typical Small Watershed of Hebei Mountainous Area	SHI Ya-mei, <i>et al.</i>
219 Research on Control System of Toll Gate Entrance Based on Laser Sensor	ZHONG Qiu, <i>et al.</i>
222 Application of Iteration Method in Design of High-reinforced Soil Slope	LI Hong-jie, <i>et al.</i>
226 A Monocular 2D Multi Robot Positioning System Based on OpenCV	CHEN Shi-yong
230 Geological Hazards Caused by Unreasonable Slope Cutting and Building Activities	YIN Nu-xun, <i>et al.</i>
233 The Construction of Smoke-related Intelligence Synthetic Combat System Based on Big Data	WU Di
235 On the Application of Concave Green Space in Road Design	ZHANG Peng
237 Research on Intelligent Distribution Room Monitoring Technology Based on Integrated Substation System	OU Feng-hua, <i>et al.</i>
239 Application of BIM in Construction Stage	ZHU Li-ling, <i>et al.</i>
242 Causes of Hidden Safety Hazards of Elevators and Supervision and Inspection Countermeasures	LI Jin-he
244 Application of Drilling Technology in Engineering Geological Survey	YANG Yong
246 Study on Community Structure and Succession Trend of Riparian Buffer Zone in Hebei Mountainous Area	WANG Xiong-bin, <i>et al.</i>

IE

248 Field Improvement of Discrete Manufacturing Enterprises Based on Lean Production	LI Qing
250 Analysis and Improvement of Cotton Textile Product Production Site	LIU Man-li, <i>et al.</i>
252 Improved Design of Automatic Carton Sealing Tape Machine Based on TRIZ Theory	QU Hui-xia, <i>et al.</i>

THEORETICAL REVIEW

254 The Discussion on Relational Model of Rural Tourism Transformation and Upgrading in Zhejiang Province	SHAN Wen-jun
---	--------------

郑重声明

1、本刊所刊载内容未经书面许可，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、本刊已许可相关期刊网站以数字化方式复制、汇编、发行、信息网络传播本刊全文。本刊支付的稿酬(或稿酬与作品审稿费、与作品样刊费相抵)已包含相关期刊网站著作权使用费，所有署名作者向本刊提交文章发表之行为视为同意上述声明。如有异议，请在投稿时说明，本刊将按作者说明处理。