

国家新闻出版广电总局A类学术期刊 中国核心期刊(遴选)数据库 《中国学术期刊综合评价数据库》统计源期刊 《中国期刊(全文数据库)》《中国期刊网》全文收录期刊



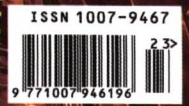
工程建设与设计

主办单位: 国家机械工业局工程建设中心 中国机械工业勘察设计协会 中国中元国际工程有限公司 CN 11-3914/TU 2019 年第 12 月上 总第 421 期



(图片来自网络)

万方数据



动态资讯

- 01 “《优化营商环境条例》正式公布”等信息8则

对话

- 03 程宇航：在海外工程建设中实现人生价值

论坛

- 04 村镇规划发展历程回顾及浅议

建筑与结构设计

- 07 生态文明战略导向的山地县域国土空间规划探讨——以浙江省缙云县“四规合一”为例（任杰，曾友林）
09 新式折叠营房开发研究（鞠宝军，翟嘉栋）
11 框架剪力墙结构特征及建筑施工技术应用方法（王萌）
14 景观园林设计中的空间艺术探索（陈桥）
16 河南科技大学新校区图书信息中心设计（张敏芳）
21 某高层钢结构体系优化设计（卢彬）
25 基于人性化视角下高层住宅建筑设计思路（詹斌）
28 某多层工业厂房结构设计（石静，张小云）
30 楼层抗剪承载力之比的计算及调整措施探讨（侯凯贤）
33 建筑结构设计和相关问题框架思路构建（刘利花）

基础工程设计

- 35 陕西关中地区某黄土边坡工程场地抗震地段的划分（张腾）
40 市政道路施工中软土地基的处理及其加固探究（周龙）
43 建筑深基坑施工技术分析（陆卫华）
46 深基坑支护设计与施工要点讨论（赵婧）
48 邻近铁路基坑开挖对铁路路基的影响分析（张学霖）
52 应用锚杆挡土墙处理路堑边坡的设计思路探究实践（张红星，罗大庆）

公用工程设计

- 55 物流仓库的消防应急照明和疏散指示系统设计——基于GB 51309—2018的实际做法（刘悦，张超，双耀强）
57 高层酒店及商场给排水设计要素探索（严洋）
60 分析建筑防火设计在工业建筑设计中的应用策略（许睿，陈默，王磊，姜林涛）

市政·交通·水利工程设计

- 62 甘肃省暴雨洪水图集计算面雨量的参数敏感性分析（任皓晨）
64 象鼻岭水电站出线平台选址设计（王坤，龚刚）
67 水利工程土石坝枢纽设计中的要点分析（龚刚）
69 连续刚构横向受力计算分析（温唯勇，李毅）
72 某临近既有铁路软土路基滑坡原因分析及滑带力学参数确定（周孝鑫）
75 某国际公路工程测量的UTM投影变形及抵偿技术（刘丁）
78 钱塘江公铁两用钢桁梁桥建模与动力特性分析（王辉，杜以为）
80 盘扣式脚手架在桥梁支架工程中的应用（刘玉达，杨涛）
83 海绵城市综合管廊给排水建设的思考（杜晴）
85 公路边坡生态防护设计及防护技术研究（李允）
87 某滑坡治理工程设计与实践（刘国勇，李燕，王永刚）
90 高铁奥维线路平面图的制作方法及其应用（解勇）
93 综合建筑项目给排水设计方案（弓晓峰）
95 高速公路路堑边坡设计分析（贾保禄）
98 浅埋隧道施工塌方事故的预防与整治技术——以广西驮英水库灌区工程隧洞施工为例（白东洋）
101 西江特大桥双壁钢围堰散拼下沉技术分析（严德平）
103 超深异形钢筋笼吊装设备选型与吊点设置（刘博，周正德，孙梓粟）
106 对水利水电工程地质勘测方法与技术应用研究（尚亚东）
108 水利工程隧洞V类围岩不良地质段治理技术（钟黎平，邹云唐剑）
111 高速公路养护中超薄磨耗层技术的应用（孙培）
113 基于生态水利工程的河道规划设计研究（胡金花，刘莉娜）
116 贵阳市花溪大学城花燕立交总体方案设计（吴艳，徐晨）
119 建筑小区室外排水管道工程设计要求思考研究（吴冬妮）
122 直流集中供电系统在轨道交通照明中的应用前景（蔡伟栋）
125 城市轨道交通弓网参数对弓网耦合关系的研究（王佳祥）
128 污水管纳入综合管廊设计方案及管道支撑计算（张睿）
132 连续刚构桥时变位移影响分析（俞登荣）
134 在高承压水地层下一种新型盾构铰接密封渗漏修复方案（夏松林，王建，张鹏翔，周耀升）

- 137 升降式岸标精细化安装结构研究(倪西海, 刘丹)
 140 四川省三台县鲁班湖鲁班岛周边20 000m²水域范围底泥
 调查研究(曹小林, 陈伟, 普绚)
 143 提高公路路桥过渡段的设计与施工技术探析构建
 (聂锋征)
 145 市政污水处理中活性砂滤池的有效应用
 (何小燕, 齐引玉)
 148 公路工程试验检测影响因素分析(张宁宁)

工业工程设计

- 150 465t/h循环流化床锅炉分离器中心筒改造探究
 (黄源珣)
 153 机械工程自动化仪表装置的应用研究核心探索
 (王建伟)

环境工程设计

- 156 高海拔生态脆弱区特高压工程机械化施工对环保水保提
 升的研究(张彦斌, 董勇, 霍俊俊)
 159 城市水土保持植物配置研究(方彬)

智能与信息化

- 162 一种无轴力钢箱接头监测系统的设计与实现
 (向阳, 李刚)
 166 CFD数值模拟在沉沙池设计中的应用(殷杰, 黄盛铨)
 168 称重仪表自动测试系统的设计与实现
 (唐美娟, 李元平, 颜浩)
 171 某大型反倾岩质岸坡变形体形成过程数值模拟研究
 (范良刚)
 174 发动机售后服务资料模块化研究及应用(谭磊, 李梦
 然, 姚学庆, 程森杰, 闫玉)

工程施工技术

- 176 球墨铸铁管安装施工探究(周连国)
 178 生物安全实验室聚氨酯涂料施工质量控制(邹烽)
 181 引导式超长型铝合金管母线吊装施工技术(邓利平)
 184 高速公路工程项目中的预制梁施工技术(张玉峰)
 187 特长隧道施工技术难点与解决方式研究(汤智力)
 190 建筑机电安装工程的施工技术实践
 (袁习奎, 陆建飞, 刘怀江)
 192 采用钢板桩侧板的吊箱围堰施工设计研究(易超)
 195 既有桁架体系连续梁桥正交异性钢桥面板架设技术
 (程成, 蔡巍, 陈勇)
 197 地铁隧道下穿扩大基础桥梁施工技术分析(梁小波)
 200 大跨度铁路桥梁预应力施工技术(李志强)
 202 高层剪力墙住宅钢筋混凝土施工技术关键研究
 (徐璐瑶, 苏桃锋, 刘博)

- 205 建筑地基基础工程施工技术核心探索
 (蒋思良, 刘怀江, 周东威)
 207 非洲公路工程项目中的沥青双表处路面施工技术与质量
 控制(王中非)
 210 高层住宅楼防渗漏施工技术重点分析
 (刘博, 徐璐瑶, 吴文涛)
 212 沥青路面施工控制要点研究(康晓鸿, 王库)
 215 大型钢混结构屋面施工技术应用(杨家雷)
 218 拼宽桥抬升技术难点分析(喻院平)
 221 桥梁工程预制场建设施工技术分析(李付波)
 223 大跨度连续梁拱异位支架拼装纵向滑移竖向提升快速施
 工工艺研究(吴鹏)
 227 海上桥梁钢护筒施工技术探讨(罗文芳)
 230 厂拌热再生沥青混合料的性能参数研究
 (郭永平, 刘涛)
 232 机场道面板底脱空注浆工艺及效果评价(曹承, 任楠)
 235 预制箱梁反拱度计算及施工中的控制与应用(沈明)
 238 房建施工中的防渗漏关键技术(施洪波)
 240 建筑工程施工中深基坑支护的施工技术及应用
 (杨守斌)

工程项目管理

- 243 施工企业铁路项目二次经营管理研究(聂振龙)
 246 多专业交叉融合的海外项目商务管理模式探讨
 (隋学伟)
 249 EPC总承包模式的工程变更管理研究(王武明)
 251 公路BOT+EPC总承包项目技术管理探讨(杨帅吉)
 254 水运工程监理中BIM技术应用及具体方法探讨
 (魏小明)
 257 全过程工程咨询服务的探索与思考(严菊生)
 259 PPP模式下公路工程全过程造价管理(时西焕)
 262 国内房地产市场调控背景下的城乡规划研究关键思路分
 析(耿燕敏)
 264 中小型水电站运行管理中存在的问题与解决办法
 (朱旭)
 267 公路路面沥青施工的质量控制实践(张国强)
 269 对高速公路混凝土施工技术及管理分析与思考
 (胡艳民)
 271 分析岩土工程价值设计(胡鼎培, 王勇)
 274 对建筑施工企业招标投标制的探讨思路构建(郭冬燕)
 276 土木工程施工中质量控制的重要性与措施分析
 (钱奕铖)
 279 水利工程管理及养护问题探讨(刘德红)
 282 水利工程施工合同的管理实践(胡志辉)
 284 山东省调水工程输水渠道运行管理的关键问题
 (杨林, 李晓磊)

INFORMATION

- 01 "Optimized Business Environment Regulations' officially announced" Etc. 8

DIALOGUE

- 03 Cheng Yuhang: Realizing Life Value in Overseas Engineering Construction

FORUM

- 04 Review and Discussion on the Development of Town Planning

Architectural and Structural Design

- 07 Discussion on Land Spatial Planning of Mountain County Under the Strategic Orientation of Ecological Civilization—Taking "Four Rules in One" of Jinyun County, Zhejiang Province as an Example (REN Jie, ZENG You-lin)
- 09 Research on Development of New Folding Barracks (JU Bao-jun, ZHAI Jia-li)
- 11 Characteristics of Frame-Shear Wall Structure and Application Methods of Construction Technology (WANG Meng)
- 14 Exploration of Space Art in Landscape Architecture Design (CHEN Qiao)
- 16 Design of Library Information Center of Henan University of Science and Technology (ZHANG Min-fang)
- 21 Optimization Design of a High-Rise Steel Structure System (LU Bin)
- 25 Design Ideas of High-Rise Residential Buildings Based on the Perspective of Humanization (ZHAN Xiao)
- 28 Structural Design of a Multi-Storey Industrial Factory Building (SHI Jing, ZHANG Xiao-yun)
- 30 Discussion on the Calculation and Adjustment of the Ratio of Floor Shear Capacity (HOU Kai-xian)
- 33 Architectural Structure Design and Framework Construction of Related Issues (LIU Li-hua)

Engineering Design of the Ground

- 35 Classification of Seismic Section of a Loess Slope Engineering Site in Guanzhong Area of Shaanxi Province (ZHANG Teng)
- 40 Study on the Treatment and Reinforcement of Soft Soil Foundation in Municipal Road Construction (ZHOU Long)
- 43 Construction Technology Analysis of Deep Foundation Pit (LU Wei-hua)
- 46 Discussion on Key Points of Design and Construction of Deep Foundation Pit Support (ZHAO Jing)
- 48 Analysis of Influence of Adjacent Railway Foundation Pit Excavation on Railway Subgrade (ZHANG Xue-lin)
- 52 Research and Practice on the Design Idea of Treating Cutting Slope with Anchor Retaining Wall (ZHANG Hong-xing, LUO Da-qing)

Public Utilities Design

- 55 Design of Fire Emergency Lighting and Evacuate Indicating System for Logistics Warehouse—Based on GB 51309—2018 (LIU Yue, ZHANG Chao, SHUANG Yao-qiang)
- 57 Exploration of Water Supply and Drainage Design Elements for High-Rise Hotel and Shopping Mall (YAN Yang)

- 60 Analysis on the Application Strategy of Building Fire Protection Design in Industrial Building Design (XU Rui, CHEN Mo, WANG Lei, JIANG Lin-tao)

Municipal Traffic Water Resources Engineering Design

- 62 Parameter Sensitivity Analysis of Surface Rainfall Based on Gansu Province Rainstorm Flood Atlas (REN Hao-chen)
- 64 Site Selection Design of Outlet Platform of Xiangbiling Hydropower Station (WANG Kun, GONG Gang)
- 67 Analysis of Key Points in the Design of Earth and Rock Dam of Water Conservancy Project (GONG Gang)
- 69 Calculation and Analysis of Transverse Force of Continuous Rigid Frame (WEN Wei-yong, LI Yi)
- 72 Cause Analysis of Landslide in Soft Soil Subgrade of a Near Existing Railway and Determination of Mechanical Parameters of Sliding Zone (ZHOU Xiao-xin)
- 75 UTM Projection Deformation and Offset Technique for Measurement of International Highway Engineering (LIU Ding)
- 78 Modeling and Dynamic Characteristics Analysis of the Qiantangjiang Steel Truss Bridge for Highway and Railway (WANG Hui, DU Yi-wei)
- 80 Application of Turnbuckle Scaffold in Bridge Bracket Engineering (LIU Yu-da, YANG Tao)
- 83 Consideration on Water Supply and Drainage Construction of Comprehensive Pipe Corridor in Sponge City (DU Qing)
- 85 Study on Design and Protection Technology of Highway Slope Ecological Protection (LI You)
- 87 Design and Practice of a Landslide Treatment Engineering (LIU Guo-yong, LI Yan, WANG Yong-gang)
- 90 Making Method of Ovi Line Plane Map of High-Speed Railway and Its Application (XIE Yong)
- 93 Comprehensive Building Project Water Supply and Drainage Design Scheme (GONG Xiao-feng)
- 95 Design and Analysis of the Highway Cutting Slope (JIA Bao-lu)
- 98 Prevention and Treatment Technology of Collapse Accident in Shallow Tunnel Construction—Taking the Tunnel Construction of Tuoying Reservoir Irrigation District in Guangxi as an Example (BAI Dong-yang)
- 101 Technology Analysis of the Double-Wall Steel Cofferdam on Xijiang Super Large Bridge (YAN De-ping)
- 103 Hoisting Equipment Selection and Hoisting Point Setting of Extra-Deep Special-Shaped Steel Reinforcement Cage (LIU Bo, ZHOU Zheng-de, SUN Zi-li)
- 106 Research on Geological Survey Method and Technology Application of Water Conservancy and Hydropower Engineering (SHANG Ya-dong)
- 108 Treatment Technology of Class V Surrounding Rock Unfavorable Geological Section in Water Conservancy Project Tunnel (ZHONG Li-ping, ZOU Yun-tangjian)
- 111 Application of Ultra-Thin Wear Layer Technology in Expressway Maintenance (SUN Pei)
- 113 Study on River Planning and Design Based on Ecological Water Conservancy Project (HU Jin-hua, LIU Li-na)
- 116 Overall Scheme Design of Huayan Interchange in Guiyang Huaxi University Town (WU Yan, XU Chen)
- 119 Consideration and Research on Design Requirements of Outdoor Drainage Pipeline in Building District (WU Dong-ni)
- 122 Application Prospect of DC Centralized Power Supply System in Rail Transit Lighting (CAI Wei-dong)
- 125 Study on the Coupling Relation Between Pantograph-Catenary Parameters and Pantograph-Catenary in Urban Rail Transit (WANG Jia-xiang)
- 128 Design Scheme and Pipeline Support Calculation of Sewage Pipeline Incorporating into Integrated Pipeline Gallery (ZHANG Rui)
- 132 Analysis of Time-Varying Displacement of Continuous Rigid Frame Bridge (YU Deng-rong)
- 134 Leakage Repair Scheme of Leakage of A New Type of Shield Hinge Seal Under High Pressure Water Stratum (XIA Song-lin, WANG Jian, ZHANG Peng-xiang, ZHOU Yao-sheng)

137 Research on Refine Installation Structure of Elevating Beacon (NI Xi-hai, LIU Dan)

140 Investigation and Study on Sediment in 20 000m² Waters Around Luban Lake Luban Island, Santai County, Sichuan Province (CAO Xiao-lin, CHEN Wei, PU Xuan)

143 Analysis and Construction of Improving the Design and Construction Technology of the Highway and Bridge Transition Section (NIE Feng-zheng)

145 Effective Application of Active Sand Filter in Municipal Sewage Treatment (HE Xiao-yan, QI Yin-yu)

148 Analysis of Influencing Factors of Highway Engineering Test (ZHANG Ning-ning)

Industrial Engineering Design

150 Reform Research on the Separator Central Cylinder of 465t/h CFB Boiler (HUANG Yuan-xun)

153 Exploration of Application Research Core of Mechanical Engineering Automation Instrumentation Device (WANG Jian-wei)

Environment Engineering Design

156 Study on Environmentally Soil and Water Conservation Improvement by UHV Construction Mechanization in Ecologically Vulnerable Areas at High Altitude (ZHANG Yan-bin, DONG Yong, HUO Jun-jun)

159 Study on Plant Configuration of Urban Soil and Water Conservation (FANG Bin)

Intelligentize and Informatization

162 Design and Implementation of a Monitoring System of Non Axial Force Steel Box Joint (XIANG Yang, LI Gang)

166 The Application of CFD Numerical Simulation in the Design of Desander (YIN Jie, HUANG Sheng-quan)

168 Design and Implementation of Weighing Meter Autotest System (TANG Mei-juan, LI Yuan-ping, YAN Hao)

171 Numerical Simulation Study on the Formation Process of a Large-Scale Toppling Rock Slope (FAN Liang-gang)

174 Modular Research and Application of Engine After-Sales Service Data (TAN Lei, LI Meng-ran, YAO Xue-qing, CHENG Sen-jie, YAN Yu)

Construction Technology

176 Research on Installation and Construction of Ductile Iron Pipe (ZHOU Lian-guo)

178 Construction Quality Control of Polyurethane Coatings in Biosafety Laboratory (ZOU Feng)

181 Lifting Construction Technology of Guided Super-Long Aluminum Alloy Tube Bus (DENG Li-ping)

184 Precast Beam Construction Technology in Expressway Project (ZHANG Yu-feng)

187 Research on the Difficulties and Solutions of Construction Technology of Extra-Long Tunnel (TANG Zh-li)

190 Construction Technology Practice of Building Mechanical and Electrical Installation Engineering (YUAN Xi-kui, LU Jian-fei, LIU Huai-jiang)

192 Research on Construction Design of Hanging Box Cofferdam Using Steel Sheet Pile Side Slab (YI Chao)

195 Erection Technology of Orthotropic Steel Deck for Continuous Beam Bridge with Existing Truss System (CHENG Cheng, CAI Wei, CHEN Yong)

197 Analysis on the Construction Technology of Subway Tunnel Under-Crossing Expansion Foundation Bridge (LIANG Xiao-bo)

200 Prestressed Construction Technology of Long-Span Railway Bridge (LI Zhi-qiang)

202 Key Research on Construction Technology of Reinforced Concrete in High-Rise Shear Wall Residential Building (XU Lu-yao, SU Tao-feng, LIU Bo)

205 Discussion on the Core Exploration of Construction Technology of Building Foundation Engineering (JIANG Si-liang, LIU Huai-jiang, ZHOU Dong-wei)

207 Construction Technology and Quality Control of Asphalt Double

Surface Pavement in Africa Highway Project (WANG Zhong-fei)

210 Analysis of the Key Leakage-Proof Construction Technology for High-Rise Residential Buildings (LIU Bo, XU Lu-yao, WU Wen-tao)

212 Research on the Control Points of Asphalt Pavement Construction (KANG Xiao-hong, WANG Ku)

215 The Application of Large Steel-Concrete Structure Roof Construction Technology (YANG Jia-lei)

218 Analysis on the Technical Difficulties of Spinning Bridge Lifting (YU Yuan-ping)

221 Analysis on the Construction Technology of Bridge Engineering Prefabricated Yard Construction (LI Fu-bo)

223 Study on the Construction Technology of Longitudinal Slippage and Vertical Lift of Large Span Continuous Beam and Arch Heterotopic Support Assembly (WU Peng)

227 Discussion on the Construction Technology of Steel Casing for Offshore Bridges (LUO Wen-fang)

230 Study on the Performance Parameters of Hot Mix Recycled Asphalt Mixture (GUO Yong-ping, LIU Tao)

232 Grouting Technology and Effect Evaluation of the Empty Beneath Pavement Slab for Airfield Pavement (CAO Cheng, REN Nan)

235 Calculation of Inverse Camber of Precast Box Girder and Its Control and Application in Construction (SHEN Ming)

238 Key Technology of Leakage Prevention in House Construction (SHI Hong-bo)

240 Construction Technology and Application of Deep Foundation Pit Support in Building Engineering Construction (YANG Shou-bin)

Project Management

243 Research on the Secondary Management of Railway Projects for Construction Enterprises (NIE Zhen-long)

246 Discussion on the Business Management Mode of Overseas Projects with Multi-Professional Cross-Integration (SUI Xue-wei)

249 Research on Engineering Change Management of EPC General Contracting Mode (WANG Wu-ming)

251 Discussion on the Technical Management of Highway BOT+EPC General Contract Project (YANG Shuai-ji)

254 Discussion on the Application and Specific Method of BIM Technology in Water Transportation Engineering Supervision (WEI Xiao-ming)

257 Exploration and Thinking of the Whole Process Engineering Consulting Service (YAN Ju-sheng)

259 The Whole Process Cost Management of Highway Project Under PPP Mode (SHI Xi-huan)

262 Analysis of Key Thoughts on Urban and Rural Planning Under the Background of Domestic Real Estate Market Regulation (GENG Yan-min)

264 Problems in Operation and Management of Small and Medium-Sized Hydropower Stations and the Solutions (ZHU Xu)

267 Quality Control Practice of Asphalt Construction on Highway Pavement (ZHANG Guo-qiang)

269 Analysis and Thinking on the Construction Technology and Management of Highway Concrete (HU Yan-min)

271 Analysis of the Value Design of Geotechnical Engineering (HU Ding-pei, WANG Yong)

274 Thoughts Construction of the Bidding System for Construction Enterprises (GUO Dong-yan)

276 Analysis of the Importance of Quality Control in Civil Engineering Management and Construction and the Measures (Qian Yi-cheng)

279 Discussion on the Management and Maintenance of Water Conservancy Project (LIU De-hong)

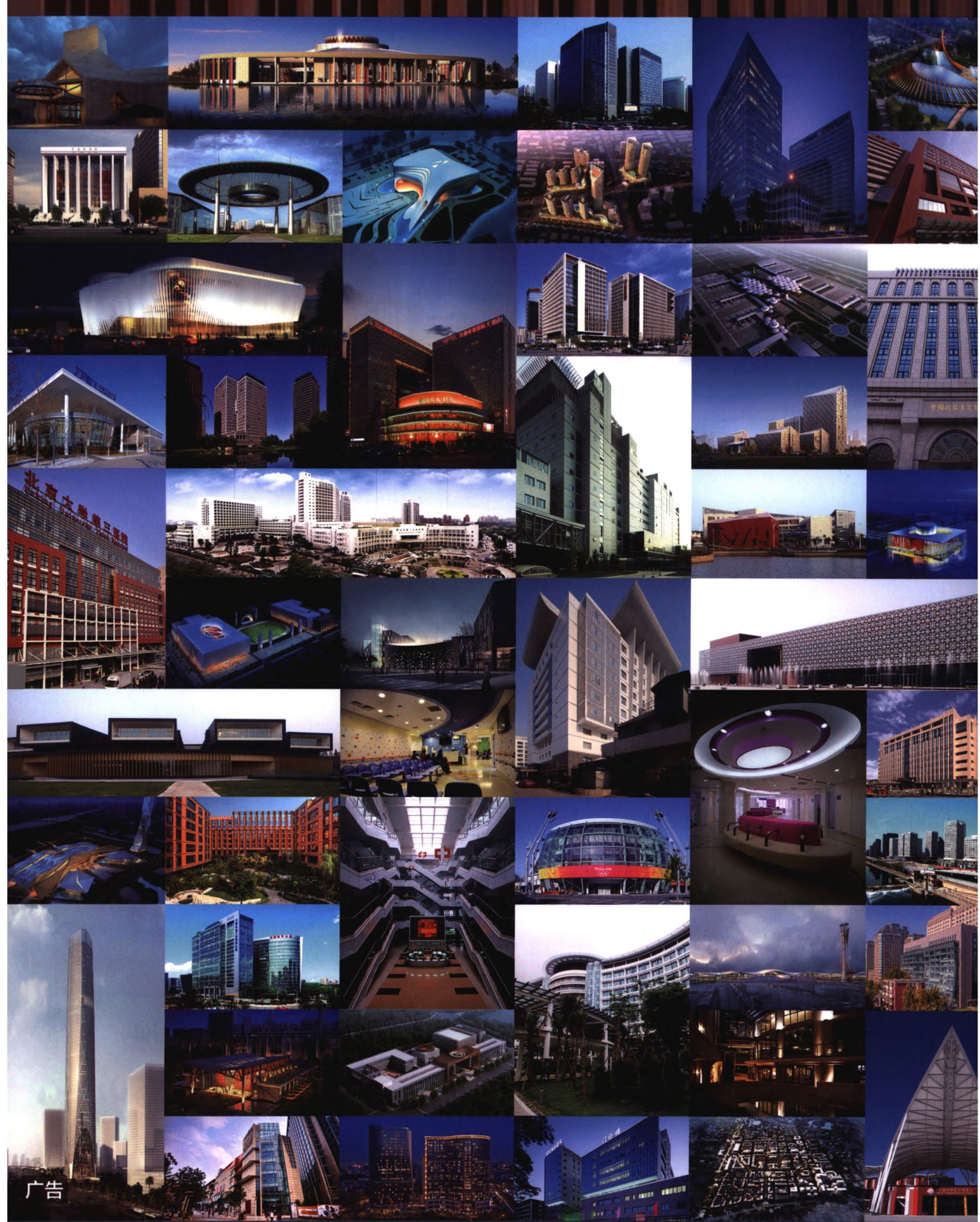
282 Management Practice of Construction Contract of Water Conservancy Project (HU Zhi-hui)

284 Key Problems of the Operation Management of Water Conveyance Channel in Shandong Province (YANG Lin, LI Xiao-lei)



中国中元国际工程有限公司

CHINA IPPR INTERNATIONAL ENGINEERING CO., LTD.



广告

地址：北京市西三环北路5号 邮编：100089 电话：(010) 68458355 传真：(010) 68732688 网址：<http://www.ippr.com.cn> 邮箱：office@ippr.net

标准刊号：ISSN1007-9467 广告许可证号：京海工商广字第 8214 号 邮发代号：82-847 定价：20.00 元 / 期 480.00 元 / 年
 万方数据 CN11-3914/TU