

管理方略

石油井下工具的储存与管理措施.....	李伟	1
石化企业产业发展方向探讨.....	李晓莲	4
化工企业安全管理中的人本理念应用.....	叶向洋	7

人才培养

以学科竞赛为导向的油气管道设计与管理课程改革实践.....	黄辉荣, 梁平, 王大庆, 孟江, 龙学渊	10
化工专业本科生科研创新能力培养举措.....	王强, 莫文龙, 买买提江·依米提, 黄雪莉	14

质量与检测

鲜食葡萄中农药残留检测及分析.....	丁静, 汪锦, 张晓敏, 孙兵	18
承压类特种设备中无损检测的应用.....	陈有强, 宋永翔	21
Re-Os同位素和铂族元素(PGE)分析方法及地质应用分析.....	钱浩	24
化学分析检验工作的质量控制策略.....	盛军妃, 韩兆林, 刘锋, 章伟强, 毛建华	27

环保与节能

采油厂污水处理现状及对策.....	刘江鱼, 杨成艳, 高萃, 张文丽, 刘晓霞	30
真空紫外辐射协同锰基催化臭氧分解技术高效杀菌研究.....	赵天健, 张彭义, 李建国	33
化工企业环保工作的优化路径.....	宋泽昌, 李扬, 孙政	37
环境监测现场采样影响因素及细节问题研究.....	钟伟权	40

技术与信息

BIM技术在石油天然气工程建设中的应用.....	李超华	44
地震勘探技术在石油地质勘探中的应用及发展.....	曹雯, 梁瑜	48
互联网技术在化工企业消防监督管理中的应用.....	郭晓振	51
长输管道自动焊连续施工技术工艺分析.....	李文	54
LNG储运设备的发展状况.....	刘立平	58
多晶硅尾气中回收高纯氢气技术.....	沙亚峰	61
油品储罐密闭自动脱水电磁控制系统探究.....	张国峰, 谷红兵, 王平胜	64

安全管理

智慧消防在石油化工企业防火监督中的运用.....	姜周由美	67
精细化工企业消防救援策略.....	李彬	70
包装类危险化学品储存装卸环节的安全防范对策.....	刘洋	73

目次

石油化工企业消防安全管理及防火对策	吕林江	76
医药化工行业安全生产管理措施	尚志民	79
化工企业消防救援策略	薛乐乐	82
智能化灭火技术在化工消防救援中的应用	周丛林	85

设备运维

移动床轻烃芳构化装置反应器结焦原因分析及对策	胡海龙	88
盐湖卤水输送设备防结盐及防腐蚀工艺	侯伟才	91
螺杆冷冻机氨蒸发器的泄漏原因和解决对策	李祥荣	95
热能动力设备金属的腐蚀与保护	李君	99
精细化工及制药行业RTO腐蚀原因及防腐措施	王豪, 张传利, 王志超	102
化工企业设备安全风险与隐患管理	高智祥	106
煤化工企业仪表自动化设备的故障预防与维护	权刚, 董飞宇	110
一种打捞井内卡钻连续油管的新方法	朱学海, 李智勇, 李忠立, 杨俊伟	113

工艺管控

影响连续重整芳烃收率的因素分析及优化	胡海龙	116
钾肥生产工艺的现状与发展分析	孟浩, 钟定勇, 张强, 赵小刚	119
生物活化木质素及其胶接生物质复合材料的研究进展	王珂雯	123
石油化工装置工艺管道设计策略	闫莉	127
钻井液抗高温降黏剂的研究进展	张恒, 胡彩丰, 熊金凤	131
电厂循环水系统运行质量的优化措施	张伟	135
二胺类双酰胺导向农药的合成与韧皮部输导性探索	吴必俊, 孙兵, 王振锋	139
优化苯加氢装置萃取剂再生塔运行的工艺研究	张凯, 栾义涛, 付恩祥, 李欣, 陈永文, 孔鲁慧, 马士猛	142

工程与施工

管道全自动焊在管线工程施工中的应用	段红彦	145
自动化仪器仪表安装的抗干扰措施	马睿	149
综合录井与地震资料融合在油气水储层识别中的探讨	黄建业	153
安全视角下天然气长输管道穿越化工储罐施工参数的优化	马燕, 王飞	157
大口径高压天然气长输管道分段水压试验优化策略	杨明圆, 朱宏	161
油田井下修井技术作业管理	张武都, 陈静	165

彩页说明

彩页1——《化工管理》征稿简则

CONTENTS

Management Strategy

Storage and Management Measures of Oil Downhole Tools.....	LI Wei	1
Discussion on Industrial Development Direction of Petrochemical Enterprises.....	LI Xiaolian	4
Application of Humanism in Safety Management of Chemical Enterprise	YE Xiangyang	7

Personnel Culturing

Reform Practice of Oil and Gas Pipeline Design and Management Course Oriented by Subject Competition	HUANG Huirong, LIANG Ping, WANG Daqing, MENG Jiang, LONG Xueyuan	10
Measures to Cultivate Scientific Research Innovation Ability of Undergraduates Majoring in Chemical Engineering	WANG Qiang, MO Wenlong, MAIMAITIJIANG·Yimiti, HUANG Xueli	14

Quality and Testing

Detection and Analysis of Pesticide Residues in Table Grapes	DING Jing, WANG Jin, ZHANG Xiaomin, SUN Bing	18
Application of Non-destructive Testing in Pressure-bearing Type Special Equipment	CHEN Youqiang, SONG Yongxiang	21
Analysis Method and Geological Application Analysis of Re-Os Isotopes and Platinum Group Elements(PGE)	QIAN Hao	24
Quality Control Strategies for Chemical Analysis and Inspection Work	SHENG Junfei, HAN Zhaolin, LIU Feng, ZHANG Weiqiang, MAO Jianhua	27

Environmental Protection and Energy Saving

Current Situation and Countermeasures of Wastewater Treatment in Oil Extraction Plants	LIU Jiangyu, YANG Chengyan, GAO Cui, ZHANG Wenli, LIU Xiaoxia	30
Study on Efficient Sterilization of Vacuum Ultraviolet Radiation in Collaboration with Manganese based Catalytic Ozonolysis Technology	ZHAO Tianjian, ZHANG Pengyi, LI Jianguo	33
Optimization Path of Environmental Protection Work in Chemical Enterprises	SONG Zechang, LI Yang, SUN Zheng	37
Study on the Influencing Factors and Details of Sampling in Environmental Monitoring Field	ZHONG Weiquan	40

Technology and Information

Application of BIM Technology in Petrochemical Engineering Construction.....	LI Chaozhua	44
Application and Development of Seismic Exploration Technology in Petroleum Geological Exploration	CAO Wen, LIANG Yu	48
Application of Internet Technology in Fire Supervision and Management of Chemical Enterprises	GUO Xiaozhen	51
Analysis of Automatic Welding Continuous Construction Technology for Long Distance Pipeline	LI Wen	54
Development Status of LNG Storage and Transportation Equipment.....	LIU Liping	58
Technology for Recovering High-purity Hydrogen Gas from Polysilicon Tail Gas.....	SHA Yafeng	61
Exploration of Electromagnetic Control System for Closed Automatic Dehydration of Oil Storage Tanks	ZHANG Guofeng, GU Hongbing, WANG Pingsheng	64

Safety Management

Application of Intelligent Fire Control in Fire Supervision of Petrochemical Enterprises	JIANG Zhouyoumei	67
Fire Rescue Strategies of Fine Chemical Enterprise	LI Bin	70
Safety Countermeasures For Storage and Handling of Hazardous Chemicals in Packaging.....	LIU Yang	73

CONTENTS

Fire Safety Management and Fire Prevention Countermeasures in Petrochemical Enterprises	LYU Linjiang	76
Management Measures for Safety Production in Pharmaceutical and Chemical Industry	SHANG Zhimin	79
Fire Rescue Strategies of Chemical Enterprise	XUE Lele	82
Application of Intelligent Fire-fighting Technology in Chemical Fire Rescue	ZHOU Conglin	85

Equipment Operation and Maintenance

Analysis of Causes and Countermeasures of the Moving Bed Light Hydrocarbon Aromatization Plant Reactor Coking	HU Hailong	88
Salt Accumulation and Corrosion Prevention Technology for Salt Lake Brine Transportation Equipment	HOU Weicai	91
Reasons and Countermeasures for Leakage of Ammonia Evaporator in Screw Refrigerator	LI Xiangrong	95
Corrosion and Protection of Metal in Thermal Power Equipment	LI Jun	99
Reasons for RTO Corrosion and Anti-corrosion Measures in the Fine Chemical and Pharmaceutical Industries	WANG Hao, ZHANG Chuanli, WANG Zhichao	102
Chemical Enterprise Equipment Safety Risk and Hidden Danger Management	GAO Zhixiang	106
Fault Prevention and Maintenance of Instrument Automation Equipment in Coal Chemical Enterprises	QUAN Gang, DONG Feiyu	110
A New Method for Fishing Stuck Coiled Tubing in Well	ZHU Xuehai, LI Zhiyong, LI Zhongli, YANG Junwei	113

Process Control

Analysis and Optimization of Factors Affecting the Yield of Aromatics in Continuous Reforming	HU Hailong	116
Current Situation and Development Analysis of Potash Fertilizer Production Process	MENG Hao, ZHONG Dingyong, ZHANG Qiang, ZHAO Xiaogang	119
Research Progress of Bioactivated Lignocellulose and Its Bonding Biomass Composites	WANG Kewen	123
Design Strategy of Process Pipeline for Petrochemical Plant	YAN Li	127
Research Progress on High-temperature Resistant and Viscosity Reducing Agents in Drilling Fluids	ZHANG Heng, HU Caifeng, XIONG Jinfeng	131
Optimization Measures of Circulating Water System Operation Quality in Power Plant	ZHANG Wei	135
Synthesis and Phloem Conductivity Exploration of Dipeptide Diamide-directed Pesticides	WU Bijun, SUN Bing, WANG Zhenfeng	139
Research on Optimizing the Operation of Extraction Agent Regeneration Tower of Benzene Hydrogenation Unit	ZHANG Kai, LUAN Yitao, FU Enxiang, LI Xin, CHEN Yongwen, KONG Luhui, MA Shimeng	142

Engineering and Construction

Application of Fully Automatic Pipeline Welding in Pipeline Engineering Construction	DUAN Hongyan	145
Anti Interference Measures for Installation of Automation Instruments	MA Rui	149
Discussion on Identification of Oil, Gas and Water Reservoir by Fusion of Comprehensive Logging and Seismic Data	HUANG Jianye	153
Optimization of Construction Parameters for Natural Gas Long Distance Pipeline Crossing Chemical Storage Tanks from Safety Perspective	MA Yan, WANG Fei	157
Optimization Strategy of Segmented Hydraulic Pressure Test for Large-diameter High-pressure Natural Gas Long Distance Pipeline	YANG Mingyuan, ZHU Hong	161
Technical Operation Management of Downhole Oilfield Workover	ZHANG Wudu, CHEN Jing	165