

管理方略

石化销售企业托管式物流代理服务分析	王寅	1
海洋装备配管专业施工定额精细化管理研究	何波波, 黄俊, 李国志, 侯磊	4
海洋石油平台工程项目质量管理探索与实践	麻国栋, 刘斌, 谢彩云	8
自然资源实验室分析中的质量管理与控制策略	黄魁, 谭靖, 刘杰, 周瑜	12
国际EPC化工项目隐性成本分析及全过程应对策略	张晨	16

人才培养

基于层次-模糊分析法的课程思政教学能力评价体系研究	刘琦	20
“健康中国”战略下高职药学人才培养模式的创新与实践	陈丹, 李杰, 廖茂珊	24
以社会需求为导向的药学专业建设实践经验	陈辉生, 王建强	28
新时代农林高校教师党建协同育人机制研究	张少斌, 曹慧颖, 华娟	32
立德树人在生命科学进展示范课程中的应用	刘越, 常南, 王含菲, 付钰, 刘超, 吴杰	36
化工专业实验课程思政探索与实践	樊丽萍, 齐向娟, 赵爱娟, 李建, 孙希明, 任相魁	40

质量与检测

基于瞬变电磁法的井下采空区探测研究	陈松巍, 方涛, 卜继霞, 李明, 许念	44
原子吸收光谱法在石油化工产品检验中的应用	牛玉玉, 刘丽娜, 吴军	48
基于气相色谱法测定气体中微量硫含量的实践	吴军, 李露, 宫静榕	52

环保与节能

热泵精馏工艺在化工节能中的运用	丁明县	56
基于反应溶剂替代与过程强化的氟唑菌酰胺绿色合成技术	刘胜学, 任嘉敏, 王光耀, 赵晓欣	60
氢作为能源载体的重要作用探究	杨德军	64
制药过程中腐蚀性介质的处理与回收利用	顾益平, 杜尚锋, 杨兰兰	67
纳米高分子材料在石化废水气浮设备防腐中的应用	张晨, 罗玉湘	70

技术与信息

基于CiteSpace的我国药品监管研究热点与趋势可视化分析	刘萍	74
智能监测技术在燃气管道防腐保护中的应用	侯智强	80
智能监控技术在化工安全生产管理中的应用与效能评估	韩娜	83

安全管理

化工灾害救援中的虚拟现实模拟训练与应急救援能力提升	刘洋	87
半导体企业危险化学品的安全管理策略	王剑朋, 郝慧秀	91

目次

港口油罐区动火作业中的消防安全管理	马顺星, 邵锦鹏, 罗庆南, 韩锋, 蒋先浩	95
石油化工港口危化品装卸过程安全管理	邵锦鹏, 罗庆南, 马顺星, 王德伟, 李玮	99
炼化企业生产安全事故预防与应急响应机制研究	阎旭, 马凤凯, 秦岭	103

设备运维

化工系统大口径金属管道爆破吹扫策略分析	叶得强, 李成果	107
冶炼烟气制酸二氧化硫风机故障诊断与修复策略	叶鸿景	110
石油化工领域防爆电气设备选用与管理	姜涛, 王澎, 陈阳, 杨樵雨, 李新	113

工艺管控

石油化工中延迟焦化工艺的优化与产物分布调控	陈杰	116
抗肿瘤药物卡博替尼关键中间体的合成工艺优化	马旭婷, 闫国毅, 高恩, 纪豪, 王帆, 李守湖	120
利用溶剂结晶钙钛矿粉末工艺实现高效稳定太阳能电池	徐敬旭, 赵洪键, 庄虎梁, 王书博, 徐红胜	124
重整加氢装置氢气优化利用实践	杨建刚	128
非金属有机催化剂在有机化学反应中的应用	于凯泽	132
磷复肥生产中的脱氟脱砷一体化工艺探索	罗铖, 刘方敏	136
基于高性能橡胶沥青的配合比设计及生产工艺探讨	王晓波	140
坪北油田采出水处理药剂筛选及性能评价	何宗礼, 张凤涛, 兰会明, 杜志维	144

工程与施工

煤与瓦斯突出煤层高位定向长钻孔抽采卸压瓦斯现场应用	尹智勇	149
常减压装置电脱盐排水除油设施应用与分析	周颖	153
某油田终端硫磺回收装置适应性改造分析研究	黄启海	157
LNG接收站新增冷能利用工程风险分析与应对措施	吕勇	161
地质录井技术在水平井钻井高效施工中的应用	王文伦, 陈铭帅	165

彩页说明

彩页1——2025全国石油和化工企业管理创新大会在京召开
彩页2——江西金泰化工股份有限公司
彩页3——江西禾田科技有限公司
彩页4——江西三元药业有限公司
彩页5——江西新干盐化工业城
彩页6——关于假冒《化工管理》杂志社网站风险提示的公告

补白

中国国际化工展成行业发展“风向标”(51); 在第八个“中国农民丰收节”到来之际 习近平向全国广大农民和工作在“三农”战线上的同志们致以节日祝贺和诚挚问候(106)

CONTENTS

Management Strategy

Analysis of logistics agency service managed by petrochemical sales enterprises	WANG Yin	1
Research on the refinement management of construction quotas for marine equipment pipeline engineering	HE Bobo, HUANG Jun, LI Guozhi, HOU Lei	4
Exploration and practice of quality management of offshore oil platform engineering project	MA Guodong, LIU Bin, XIE Caiyun	8
Quality management and control strategies in natural resource laboratory analysis	HUANG Kui, TAN Jing, LIU Jie, ZHOU Yu	12
Implicit cost analysis of international EPC chemical project and whole process coping strategy.....	ZHANG Chen	16

Personnel Culturing

Research on the evaluation system of course ideological and political teaching ability based on Hierarchical Fuzzy analysis method	LIU Qi	20
Innovation and practice of high-level vocational pharmacy talent training model under the “Healthy China” Strategy	CHEN Dan, LI Jie, LIAO Maoshan	24
Practice experience of pharmacy specialty construction oriented by social needs	CHEN Huisheng, WANG Jianqiang	28
Research on the mechanism of the Party building collaborative education of agricultural and forestry university teachers in the new era	ZHANG Shaobin, CAO Huiying, HUA Juan	32
Application of lide shuren in the demonstration course of progress in life sciences	LIU Yue, CHANG Nan, WANG Hanfei, FU Yu, LIU Chao, WU Jie	36
Ideological and political exploration and practice of chemical engineering experiment	FAN Liping, QI Xiangjuan, ZHAO Aijuan, LI Jian, SUN Ximing, REN Xiangkui	40

Quality and Testing

Research on the detection of underground mining goafs based on transient electromagnetic method	CHEN Songwei, FANG Tao, BU Jixia, LI Ming, XU Nian	44
Application of atomic absorption spectrometry in inspection of petrochemical products	NIU Yuyu, LIU Lina, WU Jun	48
Based on the practice of determination of trace sulfur content in gas by gas chromatography	WU Jun, LI Lu, GONG Jingrong	52

Environmental Protection and Energy Saving

Application of heat pump distillation process in chemical energy conservation	DING Mingxian	56
Green synthesis technology of fluazolamide based on reactive solvent substitution and process intensification	LIU Shengxue, REN Jiaming, WANG Guangyao, ZHAO Xiaoxin	60
Research on the important role of hydrogen as an energy carrier	YANG Dejun	64
Treatment and recycling of corrosive media in pharmaceutical process	GU Yiping, DU Shangfeng, YANG Lanlan	67
Application of nanometer polymer materials in anti-corrosion of gas flotation equipment for petrochemical wastewater	ZHANG Chen, LUO Yuxiang	70

Technology and Information

Visualization analysis of research hotspots and trends in China’s drug regulation based on CiteSpace.....	LIU Ping	74
---	----------	----

CONTENTS

Application of intelligent monitoring technology in gas pipeline anti-corrosion protection	HOU Zhiqiang	80
Application and efficiency evaluation of intelligent monitoring technology in chemical safety production management	HAN Na	83

Safety Management

Virtual reality simulation training and emergency rescue capability improvement in chemical disaster rescue	LIU Yang	87
Safety management strategy of hazardous chemicals in semiconductor enterprises	WANG Jianpeng, HAO Huixiu	91
Fire safety management in hot fire operation in port oil tank area	MA Shunxing, SHAO Jinpeng, LUO Qingnan, HAN Feng, JIANG Xianhao	95
Safety management of hazardous chemicals loading and unloading process in petrochemical port	SHAO Jinpeng, LUO Qingnan, MA Shunxing, WANG Dewei, LI Wei	99
Research on safety production accident prevention and emergency response mechanism in refining and chemical enterprises	YAN Xu, MA Fengkai, QIN Ling	103

Equipment Operation and Maintenance

Analysis of blowout strategy for large diameter metal pipeline in chemical system	YE Deqiang, LI Chengguo	107
Fault diagnosis and repair strategy of sulfur dioxide fan for acid production from smelting flue gas	YE Hongjing	110
Selection and management of explosion-proof electrical equipment in petrochemical field	JIANG Tao, WANG Peng, CHEN Yang, YANG Qiaoyu, LI Xin	113

Process Control

Optimization and product distribution regulation of delayed coking process in petrochemical industry	CHEN Jie	116
Process optimisation for the synthesis of key intermediates of the anti-tumour drug cabozantinib	MA Xuting, YAN Guoyi, GAO En, JI Hao, WANG Fan, LI Shouhu	120
Solvent-crystallized perovskite powder process was used to achieve efficient and stable solar cells	XU Jingxu, ZHAO Hongjian, ZHUANG Huliang, WANG Shubo, XU Hongsheng	124
Optimum utilization of hydrogen in reforming hydrogenation unit	YANG Jiangang	128
Application of nonmetallic organic catalysts in organic chemical reactions	YU Kaize	132
Research on integrated process of defluorination and arsenic removal in phosphate compound fertilizer production	LUO Cheng, LIU Fangmin	136
Study on the mix design and production process of high performance rubber asphalt	WANG Xiaobo	140
Screening and performance evaluation of produced water treatment chemicals at Pingbei oilfield	HE Zongli, ZHANG Fengtao, LAN Huiming, DU Zhiwei	144

Engineering and Construction

Application of high-level directional long drilling to extract pressure-relief gas in coal and gas outburst seam	YIN Zhiyong	149
Application and analysis of electric desalination and oil removal facilities in atmospheric and vacuum distillation units	ZHOU Ying	153
Analysis and research on adaptive modification of terminal sulfur recovery unit in an oil field	HUANG Qihai	157
Risk analysis and countermeasures of new cold energy utilization project in LNG receiving station	LYU Yong	161
Application of geological logging technology in efficient construction of horizontal well drilling	WANG Wenlun, CHEN Mingshuai	165