

目次

团队建设

- 民爆企业中层管理干部的角色定位及管理技巧 姚欣 1
- 后方油库油料专业工作量概算和人员优化配置模型 吴松林, 杨廷鸿, 陈体英 4
- 新时代科研单位青年工作的思考与实践 吴巍, 陈中涛, 李宝忠, 陈高升, 周彤, 刘思佳, 邢心语 9

市场运营

- 对等股权下国际石油联合作业公司权益博弈和经营策略 陈普信, 罗大清, 陈俊岳 14
- PE100级管材专用料的介绍及应用发展 贺蕾蕾 17
- 从区域贸易变化看RCEP对中国的影响及给石化行业的发展机遇 汪爽 20

人才培养

- 做好人才工作在化工企业深化改革中的重要保障作用 刘辉, 李杰 25
- 化工单元操作技术精品在线开放课程建设研究 徐晓多 29
- 地方应用型本科高校建设背景下材料学育人体系的构建
..... 于永建, 王栋, 白利忠, 王超男, 许书源 32
- 基于模块化的岗位能力导向教学改革与实践 周亚梅, 黄中, 张潇丹 36
- 应用型本科院校无机化学混合式教学探索与实践 万维, 张莉, 罗俊荣 40
- 适应工程认证的化工设计课堂教学改革与实践 汪红娣, 宋艳江, 周文君 44
- 分离与富集技术课程教学改革措施 王和平, 孟现星, 李亚萍, 袁光辉 48
- 拓展高校化学教学内容至介微观理论的新机遇 张宁, 卞妙, 何德丽, 贺梦冬 52
- 基于现代信息技术的高校化学教学模式探究 赵爽, 龙雨星, 闫岩, 刘明凯 56
- 线上线下融合的化工制图与CAD课程教学大纲的构建 朱登磊 60
- OGPEE教学策略在化工制图课程中的实践研究 朱泽阳, 马彪, 郭勤, 宋江 64
- 课程思政融入化学安全与管理课程教学的改革研究 穆威宇, 王志强, 郭冬冬, 赵晋忠 68

技术与信息

- 淮南潘二矿西四采区灰岩水害地面区域治理技术研究与应用 程甄 73
- 进度统计管理在项目管理平台中的数字化应用 王晨伊, 刘鹏, 孙瑜, 王进名 76
- 人工智能在石油化工领域的应用 雷曼, 徐小蕾, 贾梦达 79
- 基于ContextCapture的实景建模在化工实验教学中的应用 贾舒欣, 杨丽丽, 赵永超 83

环保与节能

- 中国生活垃圾废塑料回收利用现状 林瀚, 祝汉国, 叶红, 赵洁, 张晓佳, 张新功 92
- 低氧条件下反硝化氨氧化工艺污染物去除机理 刘平波, 喻庆, 杜胜蓝, 陈玉龙, 杜平 95

目次

高含硫天然气净化厂尾气稳定达标排放技术研究…………… 罗永辉, 罗国民, 胡明, 王毅, 余小军, 林万洲 99

安全管理

危化品企业安全管理问题及对策建议…………… 陈飞 105

污水处理厂危险化学品的安全管理工作…………… 赵宝刚, 苏庆珍, 李光, 张卫军, 袁维波 108

设备运维

迷宫压缩机在低温BOG领域的应用…………… 柴卓, 刘斌, 徐建, 胡波 111

核桃壳过滤器滤料流失问题探究…………… 杨学川 114

工艺管控

硫氰酸红霉素精制母液回收工艺研究…………… 陈东, 王维兴, 白海龙, 王文亮 117

甲维盐提纯工艺优化研究…………… 王鸿发, 郭佳, 李芳, 王少云 120

非理想炸药的机械感度研究…………… 熊盟盟 124

高温透波材料研究及进展…………… 叶子, 段海军, 崔超鹏, 经潇倩, 张世超, 李星月, 胡昱琪 127

无卤阻燃剂DOPO的生产技术分析…………… 何战猛, 冯博, 于红丽, 赵海波 130

环保型SAP的制备及性能测定教学实验创新设计…………… 贾启华 134

磷酸锰铁前驱体的研究进展…………… 王彦强, 柯君雄, 王鏖, 靳晓景, 刘海涛 138

以氧化铁红为铁源连续制备电池级磷酸铁的研究…………… 靳晓景, 柯君雄, 王鏖, 王彦强, 刘海涛 142

硅灰对混凝土碳硫硅钙石侵蚀的抑制作用…………… 张立刚 148

新型卤氧铋光催化材料的制备及降解水中污染物的研究…………… 宋月宇 154

二次铝灰碱性熔炼提取多晶型氧化铝的试验研究…………… 李忠国, 荆涛, 李敏 163

工程与施工

热带沿海GRE管道施工管理要点…………… 刘羽骢 167

东海X井下7"尾管作业实践与研究…………… 王泽 170

彩页说明

彩页1——华夏龙都·魅力濮阳

彩页2——濮阳新型化工基地

彩页3——石油和化工行业加快建设世界一流企业指导委员会在京成立

彩页4——中国石油和化工行业发展指数简介

彩页5——《化工管理》征稿简则

彩页6——2023年度《化工管理》征订单

CONTENTS

Team Building

Role Positioning and Management Skills of Middle-level Management Cadres in Civil Explosive Enterprises	YAO Xin	1
Workload Estimation for Oil Majors and Personnel Optimization Model in Rear Depot	WU Song-lin, YANG Ting-hong, CHEN Ti-ying	4
Reflection and Practice on Youth Work in Scientific Research Institutions in New Era	WU Wei, CHEN Zhong-tao, LI Bao-zhong, CHEN Gao-sheng, ZHOU Tong, LIU Si-jia, XING Xin-yu	9

Market and Business

Equity Game and Business Strategy of Oil and Gas Joint Operation Companies under Right Equal Equity	CHEN Pu-xin, LUO Da-qing, CHEN Jun-yue	14
Introduction and Application Development of PE100 Pipe Special Materials.....	HE Lei-lei	17
Impact of RCEP's on China and the Development Opportunities for the Petrochemical Industry from the Perspective of Regional Trade Changes.....	WANG Shuang	20

Personnel Culturing

Important Guarantee Role of Outstanding Talent Work in Deepening the Reform of Chemical Enterprises	LIU Hui, LI Jie	25
Research on the Construction of Excellent Online Open Course of Chemical Unit Operation Technology.....	XU Xiao-duo	29
Construction of Materials Education System under the Background of the Construction of Local Application-oriented Undergraduate Universities.....	YU Yong-jian, WANG Dong, BAI Li-zhong, WANG Chao-nan, XU Shu-yuan	32
Modularization-based Practice Post-oriented Teaching Reform and Practice	ZHOU Ya-mei, HUANG Zhong, ZHANG Xiao-dan	36
Research and Practice of Blended Teaching of Inorganic Chemistry in Applied Undergraduate Colleges	WAN Wei, ZHANG Li, LUO Jun-rong	40
Reform and Practice of Chemical Engineering Design Classroom Teaching to Meet the Requirements of Engineering Education Accreditation.....	WANG Hong-di, SONG Yan-jiang, ZHOU Wen-jun	44
Teaching Reform Measures of Separation and Enrichment Technology	WANG He-ping, MENG Xian-xing, LI Ya-ping, YUAN Guang-hui	48
Opportunity to Expand the Chemistry Teaching Content of University to the Meso-microscopic Scale under Circumstance of Introducing the Virtual Simulation Experiment to the Discipline Competition	ZHANG Ning, BIAN Miao, HE De-li, HE Meng-dong	52
Research on Chemistry Teaching Modes in Vocational College based on Modern Information Technology	ZHAO Shuang, LONG Yu-xing, YAN Yan, LIU Ming-kai	56
Construction of the Syllabus of Chemical Engineering Drawing and CAD in Online and Offline Blended Teaching Model	ZHU Deng-lei	60
Practice Research of OGPEE Teaching Strategy in the Course of Chemical Drawing	ZHU Ze-yang, MA Biao, GUO Qin, SONG Jiang	64
Research on the Teaching Reform of Chemical Safety and Management Course Integrating Ideological and Political Theory	MU Wei-yu, WANG Zhi-qiang, GUO Dong-dong, ZHAO Jin-zhong	68

Technology and Information

Research and Application of Ground Treatment Technology of Coal Mining Area of Paner Xisi in Huainan.....	CHENG Zhen	73
Digital Application of Project Progress Statistical Management in Project Management Platform	WANG Chen-yi, LIU Peng, SUN Yu, WANG Jin-ming	76

CONTENTS

Application of Artificial Intelligence in the Petrochemical Industry.....	LEI Man, XU Xiao-lei, JIA Meng-da	79
Application of Real Scene Modeling based on Contextcapture in Chemical Engineering Experiment Teaching	JIA Shu-xin, YANG Li-li, ZHAO Yong-chao	83

Environmental Protection and Energy Saving

Present Situation of Recycling and Utilization of Domestic Waste Plastics in China	LIN Han, ZHU Han-guo, YE Hong, ZHAO Jie, ZHANG Xiao-jia, ZHANG Xin-gong	92
Removal Mechanism of Pollutants in Denitrifying Ammonia Oxidation Process under Low Oxygen Condition	LIU Ping-bo, YU Qing, DU Sheng-lan, CHEN Yu-long, DU Ping	95
Study on the Technology of Stable and Standard Emission of Tail Gas from High Sour Natural Gas Purification Plant	LUO Yong-hui, LUO Guo-min, HU Ming, WANG Yi, YU Xiao-jun, LIN Wan-zhou	99

Safety Management

Safety Management Problems and Countermeasure Suggestions of Hazardous Chemicals Enterprises.....	CHEN Fei	105
Safety Management of Hazardous Chemicals in Wastewater Treatment Plants	ZHAO Bao-gang, SU Qing-zhen, LI Guang, ZHANG Wei-jun, YUAN Wei-bo	108

Equipment Operation and Maintenance

Application of Labyrinth Compressors in Low Temperature BOG Field.....	CHAI Zhuo, LIU Bin, XU Jian, HU Bo	111
Research on the Filter Material Loss of Walnut Shell Filter.....	YANG Xue-chuan	114

Process Control

Research on the Recovery Process of Erythromycin Thiocyanate Residual Fluid	CHEN Dong, WANG Wei-xing, BAI Hai-long, WANG Wen-liang	117
Optimization of Purification Process of Emamectin Benzoate.....	WANG Hong-fa, GUO Jia, LI Fang, WANG Shao-yun	120
Non-ideal Explosives on the Mechanical Sensitivity.....	XIONG Meng-meng	124
Research and Development of High Temperature Wave-passing Materials	YE Zi, DUAN Hai-jun, CUI Chao-peng, JING Xiao-qian, ZHANG Shi-chao, LI Xing-yue, HU Yu-qi	127
Analysis of Production Technology of Halogen-free Flame Retardant DOPO	HE Zhan-meng, FENG Bo, YU Hong-li, ZHAO Hai-bo	130
Innovative Design of Teaching Experiment for the Preparation and Performance Measurement of Environmentally Friendly SAP.....	JIA Qi-hua	134
Research Progress of Manganese Iron Phosphate Precursor	WANG Yan-qiang, KE Jun-xiong, WANG Biao, JIN Xiao-jing, LIU Hai-tao	138
Research on Continuous Preparation of Battery Grade Iron Phosphate with Iron Oxide Red as Iron Source	JIN Xiao-jing, KE Jun-xiong, WANG Biao, WANG Yan-qiang, LIU Hai-tao	142
Inhibitory Effect of Silica Fume on Thaumassite Formation in Concrete.....	ZHANG Li-gang	148
Preparation of Novel Bismuth Oxyhalide Photocatalyst and Its Application in Degradation of Pollutants in Water	SONG Yue-yu	154
Experimental Study on Alkaline Melting Extraction of Secondary Aluminum Ash and Polycrystalline Alumina	LI Zhong-guo, JING Tao, LI Min	163

Engineering and Construction

Key Points of GRE Pipes Construction Management in Tropical Coastal.....	LIU Yu-cong	167
Practice and Research on 7" Liner Operation in Donghai X Well.....	WANG Ze	170