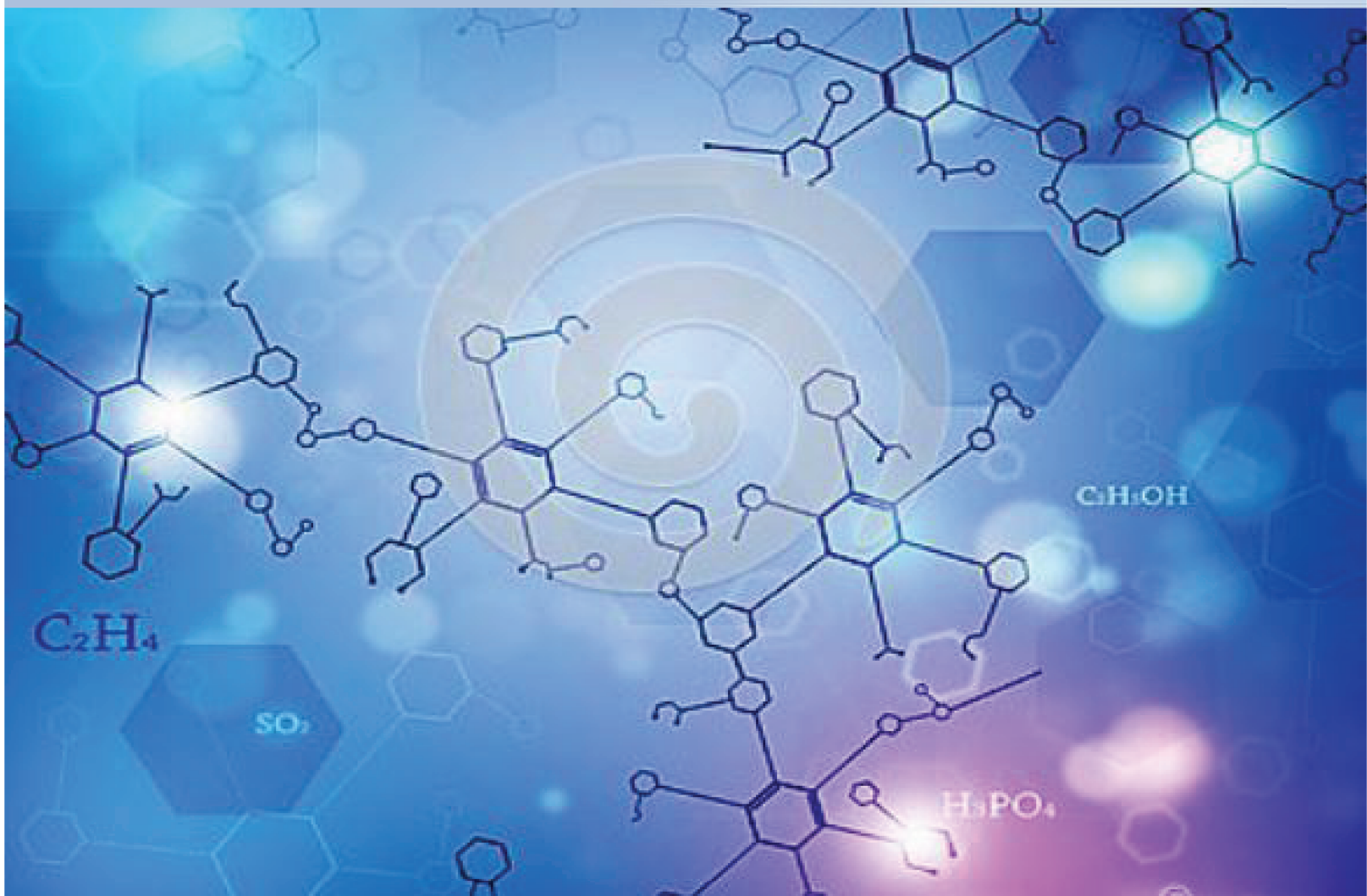


化学工程师

CHEMICAL ENGINEER

2023

9



主办单位：黑龙江省建筑材料工业规划
设计研究院
国内刊号：CN 23-1171/TQ
国际刊号：ISSN 1002-1124

ISSN 1002-1124



9 771002 112237

- “中国科技论文统计源期刊”（中国科技核心期刊）
- 中国知网系列数据库、万方数据库、维普中文科技期刊数据库
- 《中国核心期刊遴选数据库》全文收录期刊
- 《中国学术期刊（光盘版）》全文收录期刊
- 《中国期刊全文数据库》全文收录期刊
- 美国《化学文摘》（CA）千刊表收录期刊
- 国家图书馆馆藏
- 《中国科学引文数据库》来源期刊
- 全国石油和化工行业优秀期刊

第 37 卷 总第 336 期 2023 年第 9 期 月刊 Vol.37 Sum No.336

科研与开发

- 基于白及多糖多孔载药微球的制备与质量评价* 陈程,东泳杉,李伟泽,赵宁,马莉(01)
- ZnWO₄/WO₃异质结的构建及其在工业污水处理中的应用* 兴虹,王特,安长伟,吴丽红(05)
- 2-氨基-1-甲基-1H-咪唑-5-羧酸乙酯的合成* 林联君,杨艳萍,董林娟(11)
- Mxene增强LiFePO₄电池正极材料性能研究* 贾智棋,宋艳玲(14)

分析测试

- 韭菜汁中吡虫啉农药残留荧光检测方法研究* 陈盛,刘伟明(19)
- HPLC法测定参蒲益智缓释胶囊中β-细辛醚含量* 谢海龙,董晏含,孟怡彤,朱艳华(22)
- 本草香燃烧过程中10种重金属的排放特征分析* 蔡美贞(25)
- 微波消解-ICP-MS法测定人参和西洋参中锰的含量* 牛水蛟,刘慧香,胡文岳,林钰镓,于海英(29)
- 重铬酸钾容量法测定盐碱土中有机碳* 刘春霞(33)
- 气相色谱质谱法测定土壤中邻苯二甲酸酯残留量 丁可,李海侠(38)
- 气相色谱质谱法测定地表水中4种有机磷农药 张毅华,黄帝媛(41)
- 液液萃取-气相色谱质谱法同时测定地下水中6种有机污染物 王路杰,褚惠炎,陈达,王安雨(44)

环境工程

- 基于UASB/MBR的废水厌氧处理工艺优化* 贺利飞(48)
- 生物基吸附材料在金堤河水体生态污染治理中的应用 屈优良(53)

油田化学

- FCC油浆和DCC油浆固含物分析及抽提分离的效果* 黄传峰,刘亚青,杨涛,杨程(57)
- 塔木察格油田降压增注工作液配方体系研究* 曹广胜,杜雨洋,白玉杰,翟胜博,赵小莹(62)
- 碱水驱对原油的协同作用及其对剩余油采收率的影响* 王天翔,林泽,袁溯(67)

综述

- 高温压裂液与高温缓蚀剂研究进展* 许可,刘博祥,刘臣,龙学莉,赖建林(72)
- 多金属氧酸盐光催化降解有机污染物研究进展* 王安杏,张庆,张瑜(78)
- ZnFe₂O₄光催化剂改性研究进展* 刘振兴(83)
- 1,4-二取代酞嗪衍生物的合成研究进展* 王蒙蒙,张怡天,曹明慧,王妍姗,高艳蓉(87)

工程师园地

- 电力系统储能中的多孔碳电池材料及应用实验研究* 云红红,解寅珑,白韡,白健美,张轩(94)
- 红外加热固定床油页岩热解特性研究* 隋毅,姜浩,闫玉麟(100)
- 减压蒸馏回收利用水中油类测定用四氯乙烯* 冯凌竹,徐麇,戴小敏,戚彦鹏(104)
- 单宁酸法制得氧化钴纳米棒在环氧涂层中的耐腐蚀性 易飞(109)
- 室内装饰用环保型水性硅丙材料的制备及性能研究 徐娜娜(113)

CHEMICAL ENGINEER

Monthly 9/2023(SUM No.336)

SCIENTIFIC RESEACH AND DEVELOPMENT

- Preparation and quality evaluation of porous drug-loaded microsphere based on *Bletilla striata* polysaccharide*
CHEN Cheng, DONG Yong-shan, LI Wei-ze, ZHAO Ning, MA Li(01)
- Construction of ZnWO₄/WO₃ heterojunction and its application in industrial wastewater treatment*
XING Hong, WANG Te, AN Chang-wei, WU Li-hong(05)
- Syntheseis of 2-amino-1-methyl-1H-imidazol-5-carboxylic acid ethyl ester*
LIN Lian-jun, YANG Yan-ping, DONG Lin-juan(11)
- Study on performance of Mxene reinforced LiFePO₄ battery cathode materials*
JIA Zhi-qi, SONG Yan-ling(14)

ANALYSIS AND DETERMINATION

- Study on fluorescence detection method of imidacloprid pesticide residues in leek juice*
CHEN Sheng, LIU Wei-ming(19)
- Determination of β -asarone in Shenpu Yizhi sustained-release capsule by HPLC*
XIE Hai-long, DONG Yan-han, MENG Yi-tong, ZHU Yan-hua(22)
- Analysis of emission characteristics of ten heavy metals in the combustion process of herbal incense*
CAI Mei-zhen(25)
- Determination of manganese content in Ginseng and American ginseng by microwave digestion-ICP-MS*
NIU Shui-jiao, LIU Hui-xiang, HU Wen-yue, LIN Yu-jia, YU Hai-ying(29)
- Determination of organic carbon in saline alkali soil by potassium dichromate volumetric method*
LIU Chun-xia(33)
- Determination of phthalate residues in soil by GC-MS
DING Ke, LI Hai-xia(38)
- Determination of four organophosphorus pesticides in surface water by GC-MS
ZHANG Yi-hua, HUANG Di-yuan(41)
- Simultaneous determination of six organic pollutants in groundwater by liquid-liquid extraction GC-MS
WANG Lu-jie, CHU Hui-yan, CHEN Da, WANG An-yu(44)

ENVIRONMENTAL ENGINEERING

- Optimization of anaerobic wastewater treatment process based on UASB/MBR*
HE Li-fei(48)
- Application of bio-based adsorption materials in ecological pollution control of Jindi River
QU You-liang(53)

OILFIELD CHEMISTRY

- Analysis of solid contents of FCC slurry and DCC slurry and effect of extraction and separation*
HUANG Chuan-feng, LIU Ya-qing, YAN Tao, YANG Cheng(57)
- Study on formula system of antihypertensive injection working fluid in Tamchag Oilfield*
CAO Guang-sheng, DU Yu-yang, BAI Yu-jie, ZHAI Sheng-bo, ZHAO Xiao-xuan(62)
- Synergistic effect of alkaline water drive on crude oil and its effect on the recovery of remaining oil*
WANG Tian-xiang, LIN Ze, YUAN Su(67)

SUMMARY

- Research progress on the high-temperature fracturing fluids and high-temperature corrosion inhibitors*
XU Ke, LIU Bo-xiang, LIU Chen, LONG Xue-li, LAI Jian-lin(72)
- Advances in the photocatalytic degradation of organic pollutants by polyoxometalates*
WANG An-xing, ZHANG Qing, ZHANG Yu(78)
- Research progress in modification of ZnFe₂O₄ photocatalysts*
LIU Zhen-xing(83)
- Progress in synthesis of 1,4-disubstituted phthalazine derivatives*
WANG Meng-meng, ZHANG Yi-tian, CAO Ming-hui, WANG Yan-shan, GAO Yan-rong(87)

ENGINEER FIELD

- Experimental study on porous carbon battery materials and their applications in power system energy storage*
YUN Hong-hong, XIE Yin-long, BAI Wei, BAI Jian-mei, ZHANG Xuan(94)
- Characteristics of oil shale pyrolysis in an infrared-heated fixed bed*
SUI Yi, JIANG Hao, YAN Yu-lin(100)
- Recovery of tetrachloroethylene for oil determination in water by vacuum distillation*
FENG Ling-zhu, XU Ao, DAI Xiao-min, QI Yan-peng(104)
- Corrosion resistance of cabalt oxide nanorods prepared by tannic acid method in epoxy coatings
YI Fei(109)
- Research on preparation and properties of environmentally friendly water-based silicone acrylic materials indoor decoration
XU Na-na(113)
-

主管单位：黑龙江省工业和信息化厅
主办单位：黑龙江省建筑材料工业规划设计研究院

出版单位：《化学工程师》编辑部

主 编：尚 影

副 主 编：郭 薇

编 辑：王继军

刊 号：ISSN 1002-1124
CN 23-1171/TQ

编辑部地址：黑龙江省哈尔滨市南岗区
西大直街 370 号

邮政编码：150001

联系电话：13644614217

投稿邮箱：hxgcs@aliyun.com

承印单位：黑龙江艺德印刷有限责任公司

国内发行：哈尔滨市邮政局

邮发代号：14-165

国外总发行：中国国际图书贸易总公司
(北京 399 信箱)

国外代号：BM6614

订 阅：全国各地邮局或编辑部

定 价：15.00 元

全年定价：180 元

广告经营许可证号：2301004020020

Publisher: Heilongjiang Province Building
Materials Industry Planning
and Design Institute

Editor: Editorial Office of
CHEMICAL ENGINEER

Editor-in-Chief: SHANG Ying

Address: 370 Xidazhi Street Harbin
P.R.China

Post code: 150001

Distributed: China International Book
Trading Corporation
(P.O. Box 399 Beijing,China)

本刊加入中国知网 (CNKI) 系列数据库
的声明:

为适应我国信息化建设,扩大本刊及作者知识信息交流渠道,本刊已被 CNKI 中国期刊全文数据库收录,其作者文章著作权使用费与本刊稿酬一次性给付(已在收取发表费时折减和换算为杂志赠阅)。



微博号 @化学工程师hxgcs