

煤炭技术

COAL QUALITY TECHNOLOGY



创刊 35 周年中青年科学家专刊



2
2021

第36卷 第2期
2021年3月出版

ISSN 1007-7677



03>

万方数据

主管 国家矿山安全监察局
主办 煤炭科学研究院

煤 质 技 术

第36卷 第2期 2021年3月

目 次

- 煤基固废制备纳米多孔材料研究进展 赵艾靖, 袁 宁, 黄 麒, 等 (1)
燃煤电厂脱硫废水零排放处理技术研究进展 张 静 (7)
膜技术在煤化工高盐废水处理中的应用与发展前景 高卓凡 (14)
25 MW 循环流化床富氧燃烧系统经济性分析 孔润娟, 李 伟 (20)
中温沥青族组分的分离及基础物性研究 刘惠美, 徐允良, 胡朝帅, 等 (26)
气煤活性组分对高硫煤热解硫分的调控作用研究 成春生, 申岩峰, 郭 江, 等 (32)
煤矿空压机余热回收及综合利用技术研究 向艳蕾, 杨 允 (41)
 β -甲基萘酰化反应 AlCl_3 催化剂后处理技术进展 李军芳, 毛学锋, 马博文, 等 (48)
流态化浮选气泡直径对粗粒中煤分选效果的影响研究 张 眇, 李 超, 曹亦俊 (53)
焦煤镜质组热解过程中胶质体的结构演化特性研究 田 鑫, 王杰平, 孙 章 (58)
我国煤炭标准物质研究与应用现状分析 隋 艳 (66)
煤炭检测仪器设备研究现状及发展趋势 马克富 (73)
煤直接液化催化剂及其作用机理研究进展 刘 敏 (81)
废水零排放条件下煤炭运输防冻剂的经济性对比分析 杭智军, 王玉超, 于 坤, 等 (90)

COAL QUALITY TECHNOLOGY

Vol. 36 No. 2 Mar. 2021

CONTENTS

Research progress of preparation of nanoporous materials by coal-based solid wastes	ZHAO Aijing, YUAN Ning, HUANG Qi, et al (1)
Research progress on zero-discharge treatment technology of desulfurization wastewater in coal-fired power plant	ZHANG Jing (7)
Prospect and development of membrane technology applications in the treatment of high-salt wastewater from coal chemical industry	GAO Zhuofan (14)
Economic analysis of 25 MW circulating fluidized bed oxy-fuel combustion system	KONG Runjuan, LI Wei (20)
Separation and basic physical properties of group composition from medium coal tar pitch	LIU Huimei, XU Yunliang, HU Chaoshuai, et al (26)
Effect of Gas coal active components on sulfur regulation during high sulfur coal pyrolysis	CHENG Chunsheng, SHEN Yanfeng, GUO Jiang, et al (32)
Study on the comprehensive recovery and utilization technology of air compressor waste heat of coal mine	XIANG Yanlei, YANG Yun (41)
Progress in after-treatment technology for AlCl_3 catalyst of β -methylnaphthalene acylation	LI Junfang, MAO Xuefeng, MA Bowen, et al (48)
The influence of bubble diameter on the coarse middling-coal particles in fluidized flotation	ZHANG Han, LI Chao, CAO Yijun (53)
Structure evolutions of plastic phase derived from vitrinite in coking coal during pyrolysis process	TIAN Xin, WANG Jieping, SUN Zhang (58)
Research and application status of coal reference materials in China	SUI Yan (66)
Research status and development trend of coal testing equipment	MA Kefu (73)
Research progress of direct coal liquefaction catalyst and its catalytic mechanism	LIU Min (81)
Comparative analysis on the economy of coal antifreeze transportation under zero waste water discharge condition	HANG Zhijun, WANG Yuchao, YU Kun, et al (90)