

目 次

中国膏体技术发展现状与趋势	吴爱祥, 杨 莹, 程海勇, 陈顺满, 韩 悦(517)
尾矿库溃坝灾害防控现状及发展	王 昆, 杨 鹏, Karen Hudson-Edwards, 吕文生, 卜 磊(526)
有机抑制剂 SDD 与 BX 在铜活化闪锌矿表面的竞争吸附机制	罗德强, 刘 建, 王 瑜, 曾 勇(540)
红格含铬钒钛磁铁矿球团矿物学和等温氧化动力学	汤卫东, 薛向欣, 杨松陶, 姜 涛(548)
高炉渣对钢渣改性的物理化学基础研究	刘仕业, 王占军, 彭 犇, 岳昌盛, 郭 敏, 张 梅(557)
拉压不同应力对磁记忆信号的影响及机理	冷建成, 田洪旭, 郭亚光, 徐明秀(565)
热处理对四代核电用镍基合金薄壁管组织与性能的影响	李郑周, 仵启亮, 莫少华, 王宝顺, 王 曼, 董建新(571)
模锻变形对曲轴用非调质钢 1538MV 显微组织的影响	杨 勇, 周乐育, 蒋 鹏, 任学平, 贺小毛(579)
2507 双相不锈钢在 SO ₂ 污染模拟海水中的腐蚀行为	朱 敏, 朱 涛, 陈 明, 郭绍义, 袁永锋, 俞高红, 聂 轮(587)
集输管道 CO ₂ /油/水环境中 X65 钢的腐蚀特征	程远鹏, 白 羽, 李自力, 刘建国(594)
镁锂合金表面含碳陶瓷层的摩擦性能	张玉林, 朱鑫彬, 于佩航, 左 佑, 张 优, 陈 飞(605)
正交磁场对电火花单脉冲放电中电蚀凹坑的影响规律	贾建宇, 王燕青, 杨胜强, 李文辉(612)
集总干扰下六旋翼飞行器的轨迹跟踪控制	丁 力, 吴洪涛, 李兴成(622)
C-RAN 回传网络中下行资源调度策略	王汝言, 周 静, 吴大鹏(629)
渗透剪切作用下黄土的力学特征	谌文武, 刘 伟, 王 娟, 孙冠平, 侯小强(639)

CONTENTS

Status and prospects of paste technology in China

..... WU Ai-xiang, YANG Ying, CHENG Hai-yong, CHEN Shun-man, HAN Yue(517)

Status and development for the prevention and management of tailings dam failure accidents

..... WANG Kun, YANG Peng, Karen Hudson-Edwards, LÜ Wen-sheng, BU Lei(526)

Competitive adsorption mechanism of organic depressant SDD with BX on copper-activated sphalerite

..... LUO De-qiang, LIU Jian, WANG Yu, ZENG Yong(540)

Mineralogical characteristics and isothermal oxidation kinetics of Hongge chromium containing vanadium and titanium

magnetite pellets TANG Wei-dong, XUE Xiang-xin, YANG Song-tao, JIANG Tao(548)

Fundamental research on the physics and chemistry of steelmaking slag modified with hot blast furnace slag

..... LIU Shi-ye, WANG Zhan-jun, PENG Ben, YUE Chang-sheng, GUO Min, ZHANG Mei(557)

Effect of tensile and compressive stresses on magnetic memory signal and its mechanism

..... LENG Jian-cheng, TIAN Hong-xu, GUO Ya-guang, XU Ming-xiu(565)

Effect of heat treatment on the microstructure and properties of nickel-based superalloy thin-wall pipe for the fourth-generation

nuclear reactor LI Zheng-zhou, NAI Qi-liang, MO Shao-hua, WANG Bao-shun, WANG Man, DONG Jian-xin(571)

Influence of die-forging deformation on microstructure of 1538MV non-quenched and tempered steel for crankshaft

..... YANG Yong, ZHOU Le-yu, JIANG Peng, REN Xue-ping, HE Xiao-mao(579)

Corrosion behavior of 2507 duplex stainless steel in simulated SO₂-Polluted seawater

..... ZHU Min, ZHU Tao, CHEN Ming, GUO Shao-yi, YUAN Yong-feng, YU Gao-hong, NIE Lun(587)

Corrosion characteristics of X65 steel in CO₂/oil/water environment of gathering pipeline

..... CHENG Yuan-peng, BAI Yu, LI Zi-li, LIU Jian-guo(594)

Friction properties of C-containing ceramic coatings on an Mg-Li alloy

..... ZHANG Yu-lin, ZHU Xin-bin, YU Pei-hang, ZUO You, ZHANG You, CHEN Fei(605)

Effects of an orthogonal magnetic field on discharge craters created during the single-spark electrical discharge machining process

..... JIA Jian-yu, WANG Yan-qing, YANG Sheng-qiang, LI Wen-hui(612)

Trajectory tracking control for an unmanned hexrotor with lumped disturbance DING Li, WU Hong-tao, LI Xing-cheng(622)

A downlink resource scheduling strategy for C-RAN backhaul network WANG Ru-yan, ZHOU Jing, WU Da-peng(629)

Mechanical characteristics of loess under seepage shear

..... CHEN Wen-wu, LIU Wei, WANG Juan, SUN Guan-ping, HOU Xiao-qiang(639)