

目 次

· 采矿工程 ·

基于SURPAC的诱导冒落开采爆破参数优化	周颜军 任凤玉 何荣兴 等	(1)
深部急倾斜厚大矿体采场宽度优化	罗先伟 韦 军 高 峰 等	(7)
深部采场工作面围岩应力分布规律及围岩破坏范围研究	耿宏波 叶义成 罗斌玉	(11)
新型胶凝充填材料制备及固化机理分析	王贻明 王志凯 吴爱祥 等	(20)
新型长锚索预加固成采矿技术研究	李伟明 王明勤 王小军 等	(25)
某铜矿深部软岩破碎巷道变形机制研究	翁占斌 吴 锋 魏海涛 等	(29)
超重超大千米立井吊盘缩短升降时间的工程实践	崔喜旺 陈彦龙 李洋洋 等	(35)
考虑巷道周边有非均匀作用力的基尔希解修正	侯公羽 谢冰冰 李子祥 等	(39)
基于充填体拱效应的水平矿柱安全厚度研究	姜立春 陈 鹏	(46)
三点弯曲荷载下胶结充填体断裂行为试验研究	徐文彬 曹培旺	(51)
高位硬厚岩层下覆岩运移规律研究	武泉林 武泉森	(57)
中国钛矿资源产业演变与发展趋势探讨	姚 震 邓 锋	(61)

· 矿物工程 ·

新型螯合型捕收剂DXL对金红石捕收性能研究	朱一民 张 毓 李小雪 等	(65)
辛基羟肟酸钠和丁基黄药混合使用对孔雀石浮选行为的影响	孟庆波 徐晓萍 高玉德 等	(70)
新型常温捕收剂DX-1对赤铁矿的浮选性能研究	夏夕雯 梁广泉 朱一民	(75)
青海某高硫铁矿弱磁精矿提铁降硫试验	廖军平 黄自力 崔 军 等	(80)
Fe ²⁺ /Fe ³⁺ 对水杨羟肟酸捕收铅矾的影响	崔 瑞 聂新羽 兰 星 等	(85)
黑龙江某石墨矿石大鳞片石墨回收及提纯试验研究	岑对对 张 韬 于阳辉 等	(89)
酒石酸对离子型稀土矿杂质浸出行为的影响	方夕辉 夏艳圆 邱廷省 等	(94)
基于响应面法优化某金矿石全泥氰化浸出金试验	王 健 余明东 尚立军	(99)
罗布莎某铬铁矿工艺矿物学研究及对选矿工艺的影响	徐 莺 余旭辉	(103)
鞍钢东部尾矿工艺矿物学研究	唐志东 陈国岩 曲孔辉 等	(109)

· 地质与测量 ·

河南黄梅草脑一带铅地球化学异常特征及铅多金属矿找矿前景	白国典 裴中朝 王艳慧 等	(114)
黑龙江某铜矿地质特征及深部三维可视化成矿预测	林 琳	(123)
基于ArcObjects组件与Microsoft.NET框架的营口某铁矿开采沉陷预计系统	尚晓光 侯克鹏	(129)

· 安全与环保 ·

不同采空区开挖滑坡灾害与结构体动力响应研究	毕钰璋 孙新坡 何思明 等	(135)
岩质隧洞边坡失稳机理研究	李林丹 汪 斌 代永新 等	(142)
排土场边坡区域稳定性及整体安全度分析研究	甘海阔 周汉民 崔 旋	(147)
高放废物地质处置库坑探设施微震信号特征研究	王超圣 周宏伟 王子辉 等	(153)
基于GIS和K-means聚类方法的滑坡气象预警模型	金福喜 袁权威 秦帅帅	(162)
基于ArcGIS与层次分析法的巢湖北郊矿区地质环境评价	赵洪涛	(167)

· 综合利用 ·

磁选—絮凝—反浮选从山东某铁尾矿中回收铁试验	邓小龙 李茂林 刘 旭 等	(172)
气基还原焙烧—弱磁选回收赤泥中铁矿物试验	张淑敏 袁 帅 韩跃新 等	(179)
贵州织金某磷尾矿再选工艺试验	吴柏君 张周位 徐忠发 等	(183)
改性粉煤灰对SO ₂ 的吸附试验研究	郭慧娴 李水娥 李慧赢	(187)
利用铁尾矿和副产品云母粉、白云石制备土壤调理剂试验研究	孙希乐 安卫东 张 韬 等	(192)

CONTENTS

Optimization of Blasting Parameters in Caving Mining Based on SURPAC	Zhou Yanjun Ren Fengyu He Rongxing et al	(1)
Optimization of Slope Width for Steeply Inclined Thick Ore-body in Deep Mine	Luo Xianwei Wei Jun Gao Feng et al	(7)
Study on Rule of Stress Distribution and Range of Damage of Surrounding Rock in Deep Stoping	Geng Hongbo Ye Yicheng Luo Binyu	(11)
Preparation of New Cementitious Backfilling Material and its Curing Mechanism Analysis	Wang Yiming Wang Zhikai Wu Aixiang et al	(20)
Study on Synthetic Mining Technology of New-type Long Anchor Cable Pre-reinforcement	Li Weiming Wang Mingqin Wang Xiaojun et al	(25)
Research on Deformation Mechanism of Deep Soft Rock Broken Roadway of One Copper Mine	Weng Zhanbin Wu Feng Wei Haitao et al	(29)
Engineering Practice about Shortening Hoisting Time of Overweight and Large Sinking Platform in Kilometer Deep Shaft	Cui Xiwang Chen Yanlong Li Yangyang et al	(35)
Corrected Solution of Kirsch under Heterogeneous Force around Roadway	Hou Gongyu Xie Bingbing Li Zixiang et al	(39)
Study on Safety Thickness of Horizontal Pillar Based on Arch Effect of Backfilling	Jiang Lichun Chen Peng	(46)
An Experimental Study on Fracture Behavior of Cemented Backfill under Three-point Bending Load	Xu Wenbin Cao Peiwang	(51)
Study on Migration Law of Overlying Strata under High Hard and Thick Rock	Wu Quanlin Wu Quansen	(57)
Discussion on the Evolution and Development Trend of Titanium Resources Industry in China	Yao Zhen Deng Feng	(61)
Collecting Performance of a New Chelating Collector DXL on Rutile	Zhu Yimin Zhang Yu Li Xiaoxue et al	(65)
Influence of Combined Use of Sodium Octyl Hydroxamate Acid and Butyl Xanthate on Flotation Behavior of Malachite	Meng Qingbo Xu Xiaoping Gao Yude et al	(70)
Study on Flotation Performance of a New Collector DX-1 for Hematite at Room Temperature	Xia Xiwen Liang Guangquan Zhu Yimin	(75)
Experiment on Iron Increase and Desulfurization of a Low Intensity Magnetic Concentrate from High Sulfur Iron Ore from Qinghai	Liao Junping Huang Zili Cui Jun et al	(80)
Effect of Fe ²⁺ and Fe ³⁺ on Flotation of Lead-alum with Salicylhydroxamic Acid as Collector	Cui Rui Nie Xinyu Lan Xing et al	(85)
Experimental Research on Extraction and Purification of Large Flake Graphite from Graphite Ore in Heilongjiang	Cen Duidui Zhang Tao Yu Yanghui et al	(89)
Influence of Tartaric Acid on Impurity Leaching Behavior of Ionic Rare Earth Ores	Fang Xihui Xia Yanyuan Qiu Tingsheng et al	(94)
Optimization of Gold Leaching Experiment on a Gold Ore Using All-slime Cyanidation by Response Surface Method	Wang Jian Yu Mingdong Shang Lijun	(99)
Study on Process Mineralogy of Chromite Ore from Luobusha Deposit and Its Influence on Mineral Processing	Xu Ying Yu Xuhui	(103)
Research on Process Mineralogy of Eastern Tailings in ANSTEEL	Tang Zhidong Chen Guoyan Qu Konghui et al	(109)
Pb Geological Characteristics and Prospecting Potential of Pb-polymetallic Deposit in Huangmeicaonao Area in Henan Province	Bai Guodian Pei Zhongchao Wang Yanhui et al	(114)
Geological Characteristics and Deep Three-dimensional Visualization Metallogenic Prediction of a Copper Mine in Heilongjiang Province	Lin Lin	(123)
Prediction System of Mining Subsidence of a Iron Mine in Yingkou City Based on ArcObjects Module and Microsoft.NET Framework	Shang Xiaoguang Hou Kepeng	(129)
Kinetic Response Analysis of Landslide Disaster and Structures Under Excavation of Different Goaf	Bi Yuzhang Sun Xinpo He Siming et al	(135)
Study on Instability Mechanism of Rock Tunnel Slope	Li Lindan Wang Bin Dai Yongxin et al	(142)
Analysis on Regional Stability and Overall Safety of Dump Slope	Gan Haikuo Zhou Hanmin Cui Xuan	(147)
Research on Microseismic Signal Characteristics of Beishan Exploration Tunnel for High Level Radioactive Waste Disposal	Wang Chaosheng Zhou Hongwei Wang Zihui et al	(153)
Landslide Meteorological Warning Model Based on GIS and K-means Clustering	Jin Fuxi Yuan Quanwei Qin Shuaishuai	(162)
Evaluation on the Geological Environment of the North of Chaohu County Based on ArcGIS and Analytic Hierarchy Process	Zhao Hongtao	(167)
Magnetic Separation-Flocculation-Reverse Flotation Recovery Iron from an Iron Tailings in Shandong Province	Deng Xiaolong Li Maolin Liu Xu et al	(172)
Recovery of Iron Minerals from Red Mud by Gas Reduction Roasting and Low Intensity Magnetic Separation	Zhang Shumin Yuan Shuai Han Yuexin et al	(179)
Experiment on Rebeneficiation Technology of Phosphorus Tailings in Zhijin County of Guizhou Province	Wu Baijun Zhang Zhouwei Xu Zhongfa et al	(183)
Experimental Study on Adsorption of SO ₂ by Modified Fly Ash	Guo Huixian Li Shuie Li Huiying	(187)
Experimental Study on the Soil Conditioner Preparation from Iron Mine Tailings and By-product Mica Powder and Dolomite	Sun Xile An Weidong Zhang Tao et al	(192)