

有色金属 选矿部分

6

2020年

NONFERROUS METALS
MINERAL PROCESSING SECTION

主管 中国有色金属工业协会
主办 矿冶科技集团有限公司



北矿机电科技有限责任公司
680m³浮选机

矿冶科技 引领未来



ISSN 1671-9492



单位：北矿机电科技有限责任公司
电话：010-63299258/7/9
邮箱：bjky@vip.sina.com
网址：www.bgrimm-mat.com



目 次

* 工艺矿物学 *

- 四川某含钛、稀土黏土矿工艺矿物学研究 余新文, 韩诗华, 杨晓军, 文伟, 陈林, 何婷, 喻福涛(1)
新疆某白钨矿物质组分特征及赋存状态研究 吴师金, 刘庭忠(8)
白云鄂博萤石型稀土-铁矿石工艺矿物学研究 王维维, 李二斗, 金海龙, 李强, 郭春雷(14)
大洋沉积物中稀土选矿损失的原因分析 王明燕, 方明山, 陈旭波, 冯林永(19)

* 选矿工艺 *

- 锂铍稀有金属选矿及综合利用研究现状及展望 汪泰, 胡真, 王威(24)
黄铜矿与磁黄铁矿浮选分离行为及机理研究 曾维能, 任浏祎, 曹雨琪, 曾尚林(30)
铜冶炼渣中单质铜相强化浮选回收工艺优化及生产实践
..... 王俊娥, 吴星琳, 陈杭, 李国尧, 张恒星, 石瑀(36)
基于非线性拟合方法预测与优化银锡多金属矿磨矿细度 冉金城, 邱显扬(41)
谦比希铜矿主、西矿体混合矿选矿试验研究 袁喜振, 李绍英, 苏敏, 邓林欣, 胡钦印(47)
秘鲁某金铜铁多金属矿浅部矿预选富集试验 谭欣, 肖巧斌, 刘书杰(52)
四川某稀土矿选矿试验研究 王鑫, 康金星, 于传兵, 王亚运(59)
安徽某黄铁矿与磁黄铁矿分步回收试验研究 王周和(64)
国外某低品位氧化矿浮选-氰化法回收金的试验研究
..... 王青丽, 吕超飞, 苏晨曦, 崔亚军, 南君芳, 张恩华(71)

- 伊朗某低品位铜钼矿选矿试验研究 胡志凯, 杨林峰, 孙志健, 于洋, 万丽, 钱志博(77)
刚果(金)某含炭质板岩铜矿选矿试验研究 王宇(82)
某富硫高砷尾矿回收金银浮选试验研究 钱志博, 孙志健, 万丽, 于洋(85)
铜钼分离磁-浮联合新工艺研究 薛伟, 李晓东, 易运来, 毛竞(91)
赞比亚某铜钴矿浮选回水回用试验研究 王亚运, 袁喜振, 郭素红, 王传龙, 康金星, 刘志国(95)
提高乌山混合段铜钼回收率的浮选试验研究 王景军, 苗雨(101)

* 选矿设备 *

- 锡石多金属硫化矿微波助磨试验研究 郭润楠, 杨金林, 马少健, 帅智超(108)
应用 JKSimFloat 模拟浮选流程验证超大型浮选机选型
..... 谭明, 吴启明, 吴先春, 沈政昌, 熊新海(112)
大型浮选机先进检测技术的研究与应用 刘利敏, 周炳, 谢捷敏, 杨文旺, 吴书明, 李晶兵, 武涛(117)

* 选矿药剂 *

- 某铜渣选矿厂浮选药剂优化试验研究 吕旭龙, 许培燕, 温志森, 衷水平, 迟晓鹏(122)
包钢尾矿库尾矿浮选回收稀土试验研究 秦玉芳, 马莹, 王其伟, 李娜, 李二斗(127)

NONFERROUS METALS (MINERAL PROCESSING SECTION)

No. 6 2020

November 2020

Bimonthly

CONTENTS

* Process Mineralogy *

- Study on Process Mineralogy of a Clay Mine Containing Titanium and Rare Earth Elements in Sichuan YU Xinwen, HAN Shihua, YANG Xiaojun, WEN Wei, CHEN Lin, HE Ting, YU Futao (1)
Study on Material Composition Characteristics and Occurrence State of Tungsten in a Scheelite Mine in Xinjiang WU Shijin, LIU Tingzhong(8)
Study on the Technological Mineralogy of Fluorite Type REE-Fe Ores from Bayan Obo Mine WANG Weiwei, LI Erdou, JIN Hailong, LI Qiang, GUO Chunlei(14)
Cause Analysis of the Loss of Rare Earth Beneficiation in the Ocean Sediments WANG Mingyan, FANG Mingshan, CHEN Xubo, FENG Linyong (19)

* Mineral Processing Technology *

- Research Status and Prospects of Lithium Beryllium Rare Metals Beneficiation and Comprehensive Utilization WANG Tai, HU Zhen, WANG Wei(24)
Study on Mechanism of Action of Xanthate in Flotation Separation of Chalcopyrite and Pyrrhotite ZENG Weineng, REN Liuyi, CAO Yuqi, ZENG Shanglin(30)
Process Optimization and Production Practice of Enhanced Flotation Recovery of Copper Phase in Copper Smelting Slag WANG Jun'e, WU Xinglin, CHEN Hang, LI Guoyao, ZHANG Hengxing, SHI Yu(36)
Prediction and Optimization of Grinding Fineness of the Silver-Tin Polymetallic Ore Based on the Nonlinear Fitting RAN Jincheng, QIU Xianyang(41)
Experimental Study on Beneficiation of Mixed Ores from Main and West Bodies in Chambishi Copper Mine YUAN Xizhen, LI Shaoying, SU Min, DENG Linxin, HU Qinyin(47)
Pre-concentration and Enrichment Test on Shallow Ores in a Gold-Copper-Iron Polymetallic Deposit in Peru TAN Xin, XIAO Qiaobin, LIU Shujie(52)
Experimental Study on the Flotation of Rare-Earth Minerals in Sichuan WANG Xin, KANG Jinxing, YU Chuanbing, WANG Yayun(59)
The Experimental Research on Pyrite and Pyrrhotite Step Recovery in Anhui WANG Zhouhe(64)
Experimental Study on Gold Recovery from a Foreign Low-grade Oxide Ore by Flotation and Cyanidation WANG Qingli, LYU Chaofei, SU Chenxi, CUI Yajun, NAN Junfang, ZHANG Enhua(71)
Mineral Processing of Low Grade Cu-Mo Ore in Iran HU Zhikai, YANG Linfeng, SUN Zhijian, YU Yang, WAN Li, QIAN Zhibo(77)
Experimental Study on Beneficiation of Carbonaceous Slate Copper Ore in Congo(Kinshasa) WANG Yu(82)
Experimental Study on the Recovery of Gold and Silver from a Sulphur-rich and Arsenic-rich Tailings QIAN Zhibo, SUN Zhijian, WAN Li, YU Yang(85)
Study on the New Combined Process of Magnetic-Flotation for Copper-Molybdenum Separation XUE Wei, LI Xiaodong, YI Yunlai, MAO Jing(91)
Experimental Study on the Reuse of Flotation Return Water from a Copper-Cobalt Ore in Zambia WANG Yayun, YUAN Xizhen, GUO Suhong, WANG Chuanlong, KANG Jinxing, LIU Zhiguo(95)
Experimental Study on Improving Recovery of Copper and Molybdenum in Wushan Mixing Section by Flotation WANG Jingjun, MIAO Yu(101)

* Mineral Processing Equipment *

- Experiment Study on Microwave-assisted Grinding of Cassiterite Polymetallic Sulfide Ore GUO Runnan, YANG Jinlin, MA Shaojian, SHUAI Zhichao(108)
JKSimFloat Simulation of Flotation Circuit to Verify the Ultra-large Flotation Machine Selection TAN Ming, WU Qiming, WU Xianchun, SHEN Zhengchang, XIONG Xinhai(112)
Research and Application of Advanced Detection Technology for Large Flotation Cell LIU Limin, ZHOU Bing, XIE Jiemin, YANG Wenwang, WU Shuming, LI Jingbing, WU Tao(117)

* Mineral Processing Reagent *

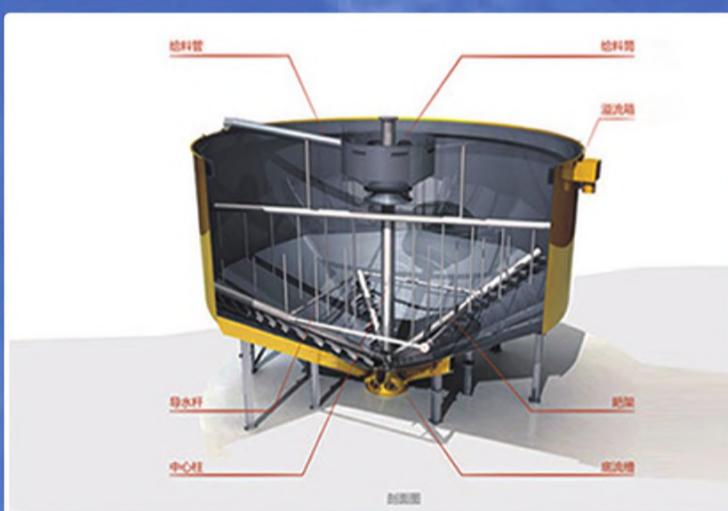
- Experimental Research on Flotation Reagent Optimization in a Copper Slag Dressing Plant LYU Xulong, XU Peiyan, WEN Zhisen, ZHONG Shuiping, CHI Xiaopeng(122)
Experimental Study on Flotation Recovery of Rare Earth from Minerals in Tailings Reservoir of Baotou Iron & Steel Company QIN Yufang, MA Ying, WANG Qiwei, LI Na, LI Erdou(127)



中能矿机

絮凝剂自动化加药一体化设备

浮选机、浓密机专业生产厂家



深锥膏体浓密机

安徽中能矿机制造有限公司

地址：安徽省淮北市濉溪经济开发区

电话：0561-6068900

热线：15212631188 15756159188

邮箱：a87945298@163.com

网址：www.ahznkj.net, www.sinominingmach.com

广告