

有色金属

选矿部分

6

2012年

NONFERROUS METALS

主管单位 中国有色金属工业协会
主办单位 北京矿冶研究总院

湖北鑫鹰环保科技有限公司

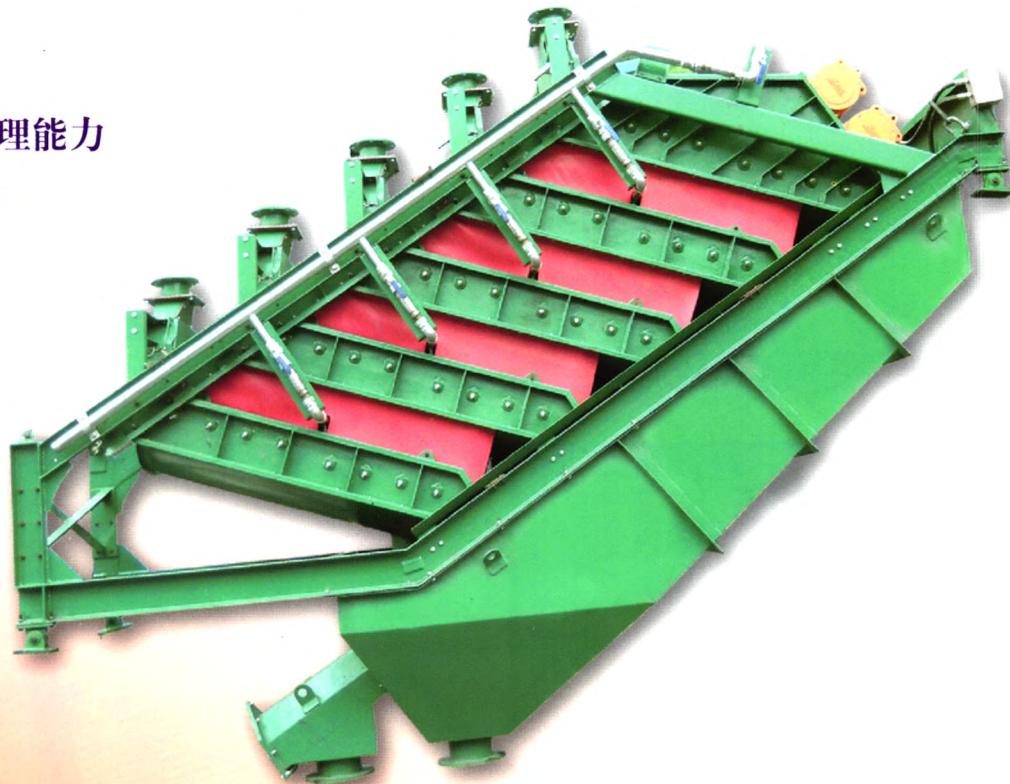
Xinying Environmental Technology (Hubei) Co.,Ltd.

HGZS系列高频振动细筛已在攀钢密地选厂、昆钢大红山、四川龙蟒矿冶公司、包钢、通钢、济钢、武钢、山东黄金集团、西部矿业、紫金矿业、抚顺罕王集团、内蒙古庆华集团、云南锡业、广西华锡集团等国内矿山企业，以及印尼、泰国、智利等国外厂家应用，并取得了良好的经济效益。

HGZS叠层高频振动细筛

实用新型专利：ZL 2007 2 0309273.X

- 精确分级
- 提高磨机处理能力
- 减少过粉碎
- 节省能耗



ISSN 1671-9492



9 771671 949028

万方数据

联系人：洪镇波 013600076296

传真：0714-3286609

E-mail：xinyintec@163.com

通讯地址：湖北省黄石市黄金山开发区有色工业园

邮编：435000

网址：<http://www.xinyingtec.com>

目 次

* 工艺矿物学 *

- 某铜矿山老尾矿中铜的赋存状态研究 王玲, 王明燕 (1)
赞比亚某铜反射炉渣工艺矿物学研究及可选性分析 于雪 (5)

* 选矿工艺 *

- 云南某难选铜矿的选矿工艺研究 周晓四, 王少东, 李志章, 彭芬兰 (11)
含铜炉渣晶相调控浮选新工艺研究 黄红军 (16)
河南某铁硫铜复杂多金属矿选矿试验研究 李荣改, 宋翔宇, 乔江晖, 李志伟, 李莹, 薛方科 (20)
某铜铅锌多金属矿综合回收试验研究 赵开乐, 王昌良, 邓伟, 饶系英 (25)
新疆某地黑白钨矿选矿工艺研究 李翠芬, 宋翔宇, 薛方科, 冯艳丽, 李莹, 张雨田 (30)
黄铜矿与磁黄铁矿选别性质差异研究 马先峰, 邱显扬, 何晓娟, 张军 (35)
微细粒赤铁矿分散行为的研究 陶洪, 张芹, 左倩, 王飞 (39)
磨矿分级工艺考察及分析研究 明平田, 吴国民, 李飞, 邢晴晴 (45)
HDS 工艺及树脂吸附法深度处理酸性矿山废水的试验研究 黄羽飞, 陈宇, 刘峰彪 (49)
前线分子轨道理论在选矿中的研究现状 张明伟, 何发钰 (53)
某铜镍矿石洗矿矿浆回收镍金属的工业生产实践 刘玉江 (56)

* 选矿设备 *

- 浮选柱用于白钨精选的工业试验研究 王选毅, 吴铁生, 薛明向, 辛亚淘 (60)
大型多力场磁选机研究 史佩伟, 尚红亮, 刘永振 (65)
浓缩生产过程优化控制系统的研究与应用 王旭, 缪天宇, 王庆凯 (70)

* 选矿药剂 *

- 油酸钠浮选体系中菱镁矿有效抑制剂的研究 程龙, 魏明安 (75)
铁离子和亚铁离子对菱锌矿和石英浮选的影响 欧乐明, 叶家笋, 曾维伟, 万丽 (79)
铜钼分离新型抑制剂制备与选矿试验研究 郭灵敏, 刘建国, 兰秋平, 罗良德 (83)

[期刊基本参数] CN 11-1840 / TF*1949 *b*A4*84*zh*P* ¥ 10.00*3000*19*2012 - 11

NONFERROUS METALS (MINERAL PROCESSING SECTION)

No.6 2012

November 2012

Bimonthly

CONTENTS

* Process Mineralogy *

- Research on Copper Dissemination State from Old Tailings in a Copper Mine WANG Ling, WANG Mingyan (1)
Mineralogical Study and Beneficiability Analysis of a Reverberatory Furnace Slag of Copper in Zambia YU Xue (5)

* Mineral Processing Technology *

- Mineral Processing Technology Research on a Refractory Copper Ore of Yunnan ZHOU Xiaosi, WANG Shaodong, LI Zhizhang, PENG Fenlan (11)
A New Technology for Crystal Phase Regulating Flotation of Copper-containing Slag HUANG Hongjun (16)
Test Research on the Beneficiation of a Complex Multi-metal Ore Containing Iron, Sulfur and Copper of Henan LI Ronggai, SONG Xiangyu, QIAO Jianghui, LI Zhiwei, LI Ying, XUE Fangke (20)
Experimental Research on Comprehensive Recovery of a Copper-Lead-Zinc Polymetallic Ore ZHAO Kaile, WANG Changliang, DENGD Wei, RAO Xiying (25)
Experimental Study on the Beneficiation of Wolframite and Scheelite of Xinjiang LI Cuifen, SONG Xiangyu, XUE Fangke, FENG Yanli, LI Ying, ZHANG Yutian (30)
Investigation on Separative Properties of Chalcopyrite and Pyrrhotite MA Xianfeng, QIU Xianyang, HE Xiaojuan, ZHANG Jun (35)
Study on the Dispersion Behavior of Microfine Hematite TAO Hong, ZHANG Qin, ZUO Qian, WANG Fei (39)
Research on Process Investigation and Analysis of Grinding and Classification MING Pingtian, WU Guomin, LI Fei, XING Qingqing (45)
Experimental Study on Advanced Treatment of Acid Mine Discharge with High Density Sludge (HDS) Process and Resin Adsorption HUANG Yufei, CHEN Yu, LIU Fengbiao (49)
Review of Frontier Molecular Orbital Theory on the Research of Mineral Processing ZHANG Mingwei, HE Fayu (53)
Industrial Practice of Recovery Nickel from the Villamaninite Washing Pulp LIU Yujiang (56)

* Mineral Processing Equipment *

- Industrial Experimental Study on Cleaning Beneficiation of Scheelite by Using Flotation Column WANG Xuanyi, WU Tiesheng, XUE Mingxiang, XIN Yatao (60)
Research on Large Multi-force Field Magnetic Separator SHI Peiwei, SHANG Hongliang, LIU Yongzhen (65)
Research and Application of Optimal Control System for Thickening Process WANG Xu, MIAO Tianyu, WANG Qingkai (70)

* Mineral Processing Reagent *

- Study on the Effective Depressant of Magnesite in Sodium Oleate Flotation System CHENG Long, WEI Ming'an (75)
Influence and Mechanism of Ferric and Ferrous Ions on Flotation of Smithsonite and Quartz OU Leming, YE Jiasun, ZENG Weiwei, WAN Li (79)
Study on Preparation of a New Type Depressant for Separation of Cu-Mo Ore and Mineral Processing Test GUO Lingmin, LIU Jianguo, LAN Qiuping, LUO Liangde (83)

Sponsor Beijing General Research Institute of Mining and Metallurgy

Editor and Publisher Nonferrous Metal Editorial Department

Address Building 23, Zone 18 of ABP, No.188, South 4th Ring Road West, Beijing 100160, China

Tel & Fax Number 010-63299852(Tel), 63299754(Fax)

Internet Site <http://ysk.bgrimm.cn>

Chief Editor ZHU Suiling

Printer Huayi Printing House