



ISSN 0258-7106
CN 11-1965/P

矿床地质

MINERAL DEPOSITS

2023年2月 第42卷 第1期
Feb. 2023 Vol.42 No.1



中国地质学会矿床地质专业委员会
中国地质科学院矿产资源研究所

主办



科学出版社

出版

矿床地质

Kuangchuang Dizhi

2023年2月 第42卷 第1期

目次

新疆阿尔泰巴斯铁列克钨多金属矿区花岗岩黑云母特征及成岩成矿意义	1
..... 柴凤梅,李永,王雯,包长甲,祁冬梅,张雪冰,田猛	
中国铝土矿的成矿规律、关键科学问题与研究方法	22
..... 徐林刚,孙莉,孙凯	
新疆西昆仑大红柳滩矿集区含锂伟晶岩脉识别与找矿预测	
..... 高一航,陈川,马华东,邱林,王聪聪,高玲玲,李顺达,王利波	41
基于短波红外光谱技术的蚀变矿物大数据定量预测方法探索——以福建上杭县紫金山金铜矿床为例	
..... 赖晓丹,张锦章,李晶,杨凯,祁进平,蒋姣姣	55
赣南雷公嶂钨矿床辉钨矿 Re-Os 年龄及其地质意义	66
..... 赵云彪,黄凡,迟雷,王岩,童日发	
察尔汗盐湖别勒滩区段固态锂的赋存状态与分布特征	
..... 张宇萌,胡宇飞,王笛,刘成林,李瑞琴,王罗海,刘万平,沈立建,焦距	77
重晶石成矿地质特征、成矿作用及成矿机制	
..... 潘忠飞,付勇,郭川,施春华,刘灵,刘阳,龙珍,罗培麒,刘国栋,姚兰,杨颖,杨黔闽	90
赣北石门寺超大型钨矿床白云母短波红外特征及其勘查指示意义	
..... 张忠雪,代晶晶,王先广,胡正华,万新,彭勃,傅明海,赵龙贤	116
斑岩铜-钼-金矿床:构造环境、成矿作用与控制因素	128
..... 杨航,秦克章,吴鹏,王峰,陈福川	
河北省奥陶纪马家沟组顶部古风化壳中三稀元素赋存状态及富集机制	
..... 杨鑫朋,张运强,程洲,杨瑞,季虹,张欢,石光耀,王金贵	157
云南思茅盆地大平掌铜金多金属矿床金的赋存状态	
..... 纪璇,刘书生,吴松洋,罗泽雄,张云龙,王冠,杨永飞,冷秋锋,王坤阳	170
安徽西湾铅锌矿床闪锌矿原位微量元素组成及成矿流体特征	
..... 兰秉玉,袁峰,邓宇峰,程培生,李晓晖,张建明,李壮	192
东昆仑浪木日镁铁质-超镁铁质岩成因:锆石 U-Pb 年代学和 Sr-Nd-Hf 同位素特征	
..... 张斌武,于森,杨牧,张琛明,陈海福	211

封面照片摄于福建紫金山铜金矿(拍摄者:蓝善祥)

本期执行编辑:赵海杰 排版及修图:周黎芳 英文审校:徐庆生

Mineral Deposits

Vol.42, No.1 February, 2023

CONTENTS

- Geochemical characteristics of biotite from granites around Bastiellieke W-polymetallic deposit in Altay, Xinjiang and its implication *CHAI FengMei, LI Yong, WANG Wen, BAO ChangJia, QI DongMei, ZHANG XueBing and TIAN Meng* 1
- Metallogenic regularity, key scientific problems and research methods of bauxite in China *XU LinGang, SUN Li and SUN Kai* 22
- Identification and prediction of lithium bearing pegmatite dikes in Dahongliutan ore concentration area in West Kunlun, Xinjiang *GAO YiHang, CHEN Chuan, MA HuaDong, QIU Lin, WANG CongCong, GAO LingLing, LI ShunDa and WANG LiBo* 41
- Quantitative prediction of big data of altered minerals based on short-wave infrared spectroscopy: A case study of Zijinshan gold-copper deposit, Shanghang County, Fujian Province *LAI XiaoDan, ZHANG JinZhang, LI Jing, YANG Kai, QI JinPing and Jiang JiaoJiao* 55
- Re-Os dating of molybdenites from Leigongzhang molybdenum deposit of southern Jiangxi Province and its geological significance *ZHAO YunBiao, HUANG Fan, CHI Lei, WANG Yan and TONG RiFa* 66
- Occurrence state and distribution characteristics of solid lithium in Bieletan section of Qarhan Salt Lake *ZHANG YuMeng, HU YuFei, WANG Di, LIU ChengLin, LI RuiQin, WANG LuoHai, LIU WanPing, SHEN LiJian and JIAO Ju* 77
- Geological characteristics, mineralization and metallogenic mechanism of barite mineralization *PAN ZhongFei, FU Yong, GUO Chuan, SHI ChunHua, LIU Ling, LIU Yang, LONG Zhen, LUO PeiQi, LIU GuoDong, YAO Lan, YANG Ying and YANG QianMin* 90
- Shortwave infrared characteristics of muscovite from giant Shimensi tungsten deposit in northern Jiangxi Province and implication to exploration *ZHANG ZhongXue, DAI JingJing, WANG XianGuang, HU ZhengHua, WAN Xin, PENG Bo, FU MingHai and ZHAO LongXian* 116
- Tectonic setting, mineralization and ore-controlling factors of porphyry Cu-Mo-Au deposits *YANG Hang, QIN KeZhang, WU Peng, WANG Feng and CHEN FuChuan* 128
- Occurrence state and enrichment mechanism of rare earth, rare metal and rare dispersed elements in paleo-weathering crust of Ordovician Majiagou Formation, Hebei *YANG XinPeng, ZHANG YunQiang, CHENG Zhou, YANG Rui, JI Hong, ZHANG Huan, SHI GuangYao and WANG JinGui* 157
- Occurrence of gold in Dapingzhang copper-gold polymetallic deposit, Simao basin, Yunnan *JI Xuan, LIU ShuSheng, WU SongYang, LUO ZeXiong, ZHANG YunLong, WANG Guan, YANG YongFei, LENG QiuFeng and WANG KunYang* 170
- In situ trace element composition of sphalerite and ore-forming fluid characteristics of Xiwan Pb-Zn deposit, Anhui Province *LAN BingYu, YUAN Feng, DENG YuFeng, CHENG PeiSheng, LI XiaoHui, ZHANG JianMing and LI Zhuang* 192
- Genesis of mafic-ultramafic rocks from Langmuri area, East Kunlun: Zircon U-Pb geochronology and Sr-Nd-Hf isotope characteristics *ZHANG BinWu, YU Miao, YANG Mu, ZHANG ChenMing and CHEN HaiFu* 211