

《矿床地质》2019年总目次

第38卷 第1期

陕西大西沟喷流沉积型菱铁矿矿床地质特征及矿床成因	詹涵钰,李占轲,武文辉,李建成 1
激光焦平面变化对 LA-ICPMS 锆石 U-Pb 定年准确度的影响	于超,杨志明,周利敏,张亮亮,李振清,赵苗,张佳钰,陈微言,索明石 21
甘肃阳坝铜多金属矿床流体包裹体及 S、Pb 同位素组成特征	苗雅娜,张宝林,苏艳平,刘瑞麟,李会中,毛剑锋 29
西藏纳如松多铅锌矿床石英闪长岩成因:地球化学及 Sr-Nd-Pb 同位素证据	龚雪婧,杨竹森,庄亮亮,马旺 48
新疆智博铁火山岩中富铁岩屑地球化学特征及其地质意义	骆文娟,张作衡,段士刚,蒋宗胜,王大川,康永建 61
甘肃白银厂折腰山 VMS 矿床蚀变带元素迁移及定量计算	田光礼,陈守余,董凯,赵江南,覃伟,陈俊霖 80
新疆阿尔泰巴斯铁列克钨多金属矿床矿物特征及其地质意义	张国锋,李永,杨富全,李强,杨成栋,柴凤梅 101
NaCl-X-H ₂ O 三元体系 25℃等温蒸发石盐流体包裹体均一温度实验研究	李俊,程怀德,张西营,李雯霞,海擎宇,张星,周同亮 120
北祁连干沙鄂博稀土元素矿床地质和矿床地球化学特征	黄增保,李葆华,董晓燕,傅太宇,许龙,高昆丽,陈晨,郑慧,朱永新 129
西藏加多捕勒铁铜矿床硫、铅同位素组成及成矿物质来源	牛旭宁,郑有业,徐净,吴松 144
新疆东天山阿奇山铅锌矿床成矿物质来源及矿床成因	邓莉明,杨永强,李智,张小军 158
贵州云峰铝土矿中铀矿物的发现	龙永珍,池国祥,谷湘平,戴塔根 170
班公湖-怒江成矿带中段早白垩世含铜岩体地球化学特征:以雄梅地区为例	王韵,马旭东,陈伟,曲晓明,宋扬,唐菊兴 181
青海克停哈尔铜锌矿床隐爆角砾岩地球化学及地质意义	刘国燕,李泽峰,张勇,何书跃,林贵,张来平,王磷,张鹏 197
广东大宝山矿田船肚钨铜矿床的地质特征、成矿规律与找矿方向	王要武,王登红,刘战庆,王兰根,刘武生,赵如意,张熊,蒋金昌,岑炬标,尹晓 211
矿产资源评价篇(12)	吴良士 226

第38卷 第2期

老挝帕奔金矿床成矿流体来源与矿床成因:稀土元素和 C、O、S 同位素证据	郭林楠,侯林,刘书生,张启明,徐思维,施美凤,曾祥婷 233
新疆阿克塔斯金矿床黑云母花岗岩锆石 U-Pb 和绢云母 ³⁹ Ar/ ⁴⁰ Ar 测年及地质意义	卫晓锋,潘东,阴元军,廖震,吕晓强,单立华,丁汝福 251
四川木里梭罗沟金矿床流体包裹体研究及矿床成因	杨永飞,刘书生,聂飞,张文林 261
鲁西归来庄金矿田碓金元素地球化学过程研究	于学峰,李大鹏,李增胜,尉鹏飞, Rana.N.S.Sodhi 277
相山牛头山地区铀矿深部多金属成矿流体特征与成矿物质来源探讨	邱林飞,吴迪,吴玉,金贵善,韩娟,刘军港,郭娟 291
胶东黄铁矿显微构造变形与金富集关系:黄铁矿 EBSD 组构和地球化学约束	李瑞红,杨立强,恽孟河,安平,邱昆峰,孟银生 303
内蒙古图古日格金矿床流体包裹体研究:对矿床成因的约束	李永,熊伊曲,邵国钰,刘忠仁,孙诺,祁程 319
粤北大宝山志留纪英安斑岩年代学、地球化学特征及其地质意义	瞿泓滢,毛景文,周淑敏,陈懋弘 331
陕西陈家坝铜铅锌多金属矿床 C、H、O、S、Sr 同位素地球化学示踪	丁坤,王瑞廷,秦西社,梁婷,杨秀清,栾燕,郑崔勇,樊新祥 355

江西相山西部地区深部多金属矿化矿石组构学、矿物学研究及其地质意义	刘军港,李子颖,聂江涛,王健,李秀珍	367
黑龙江省漠河市782高地铌多稀有金属矿床的地质特征及找矿标志	徐国战,吴鸣谦,徐文喜,丁继双,于献章,张立东,李成禄,杨轶	382
皖南青阳-泾县地区中酸性脉岩锆石特征、U-Pb年龄及地质意义	白茹玉,徐晓春,杜建国,戴圣潜,张达玉,车英丹	401
西昆仑塔什库尔干地区赞坎铁矿床磁铁矿元素地球化学特征及其对成矿的制约	陈登辉,隋清霖,赵晓健,李旭拓,高永宝,王志华	426
新疆东戈壁地区高光谱遥感蚀变特征及找矿分析	王永军,王瑞军,孙永彬,王洗	439
岑巩页岩气区块高精度磁异常特征及其地质意义	钱文滔,尹太举,李学森	449

第38卷 第3期

河南灵宝樊岔金矿床成矿流体和同位素地球化学研究	展恩鹏,王玘,齐楠,许晨,郝蛟龙,李宗彦,陈衍景	459
地壳厚度对中国金矿床空间分布规律的制约	朱平平,成秋明,武国朋	479
川西木落寨稀土矿床年代学、地球化学与成矿特征	付浩邦,刘琰,郑旭,贾玉衡,丁岩	491
大兴安岭南段毛登-小孤山锡多金属矿田年代学、地球化学特征及其地质意义	郭硕,何鹏,张学斌,崔玉荣,张天福,张阔,来林,刘传宝	509
滇中姚安干沟金矿床煌斑岩锆石 LA-ICP-MS U-Pb 年代学及 Hf 同位素特征	严清高,郭忠林,李超,江小均,王忠强,李亚东	526
东昆仑五龙沟矿田岩金沟金矿床成矿时代新认识	陈柏林,王永,韩玉,陈建林	541
冀东峪耳崖金矿床蚀变绢云母 ⁴⁰ Ar- ³⁹ Ar年龄及其地质意义	陈绍聪,叶会寿,王义天,贺文,张兴康,王宁宇	557
大兴安岭北段上马场金矿床火山岩地球化学特征、锆石 U-Pb 年龄及地质意义	王凤博,杨言辰	571
北喜马拉雅错那洞穹隆铍铷稀有金属矿床地质特征及找矿方向	夏祥标,李光明,张志,梁维,张林奎,向安平	586
冀北张麻井铀钼矿床叠加成矿:矿石地球化学质量平衡迁移计算的制约	宋凯,巫建华,郭恒飞,郭国林	599
吉林和龙长仁铜镍矿区含矿橄榄辉石岩年代学及其地质意义	吴琼,孙丰月,刘金龙,田力丹,范兴竹	620
冈底斯成矿带西段鲁尔玛斑岩型铜(金)矿床的成矿物质来源研究	刘洪,李光明,黄瀚霄,张林奎,吕梦鸿,兰双双,付建刚,周维德,解惠	631
新疆北山早二叠世岩浆型铜镍硫化物矿床综合信息勘查模式	刘月高,吕新彪,阮班晓,柳潇,刘双,冯京,邓刚,王恒,曾华栋,王鹏,王伟,王磊,陆强	644
尼日尔阿泽里克铀矿床蚀变及地球化学特征——对成矿物质来源的约束	许强,秦明宽,范洪海,顾大钊,李娟,何中波,刘章月,黄少华	667
矿产资源评价篇(13)	吴良士	685

第38卷 第4期

关键矿产——国际动向与思考	毛景文,杨宗喜,谢桂青,袁顺达,周振华	689
岩浆硫化物矿床研究现状及重要科学问题	宋谢炎	699
锆的地球化学及资源储备展望	叶霖,韦晨,胡宇思,黄智龙,李珍立,杨玉龙,王浩宇	711
长江中下游成矿带含稀散金属矿床特征初探	谢桂青,韩颖霄,李新昊	729
全球钴矿资源特征及勘查研究进展	王辉,丰成友,张明玉	739
综合找矿模型在甲基卡隐伏区稀有锂金属找矿中的应用	付小方,黄韬,郝雪峰,邹付戈,肖瑞卿,杨荣,潘蒙,唐屹,张晨	751

湖南仁里稀有金属矿田地质特征、成矿时代及其找矿意义	刘翔,周芳春,李鹏,李建康,黄志飏,石威科,黄小强,张立平,苏俊男	771
新疆阿尔泰造山带中伟晶岩型稀有金属矿床成矿规律、找矿模型及其找矿方向	张辉,吕正航,唐勇	792
川西长征穹窿高分异花岗岩地球化学、锆石 U-Pb 定年、Lu-Hf 同位素特征:对区域稀有金属成矿背景的限定	周玉,周雄,张贻,秦志鹏,贾志泉	815
赣南新元古代变质岩稀土矿物及其地球化学特征	王臻,陈振宇,赵芝,陈斌峰,邹新勇	837
湘东北仁里-传梓源 5 号伟晶岩脉云母和长石成分的演化与成矿作用的关系	杨晗,陈振宇,李建康,李鹏,熊欣,王臻,周芳春	851
川西可尔因矿集区稀有金属矿床成矿规律与找矿方向	岳相元,张贻,周雄,龚大兴,谭洪旗,周玉,朱志敏	867
川西可尔因锂矿田云母矿物化学及稀有金属成矿和找矿指示	马圣钊,王登红,刘善宝,孙艳,郭伟明,代鸿章,刘丽君,李超	877
铝土矿(岩)型锂资源及其开发利用潜力	钟海仁,孙艳,杨岳清,王登红,黄凡,赵芝	898
含碳质地层对矽卡岩钨矿的影响——以鄂东付家山矿床为例	纪云昊,谢桂青,朱乔乔,孙孝峰,李新昊	917

第 38 卷 第 5 期

21 世纪以来中国关键金属矿产找矿勘查与研究新进展	毛景文,袁顺达,谢桂青,宋世伟,周琦,高永宝,刘翔,付小方,曹晶,曾载淋,李通国,樊锡银	935
东秦岭稀有金属伟晶岩的类型、内部结构、矿化及远景——兼与阿尔泰地区对比	秦克章,周起凤,唐冬梅,王春龙	970
白云鄂博铁、钨、稀土矿床:研究进展、存在问题和新认识	谢玉玲,曲云伟,杨占峰,梁培,钟日晨,王其伟,夏加明,李必成	983
锡钨锂矿化与外围脉状铅锌银铜矿化的内在成因关系和形成机制——以内蒙古维拉斯托锡钨锂多金属矿床为例	周振华,高旭,欧阳荷根,刘军,赵家齐	1004
钨矿床主要类型与成矿机制	陶旭云,王佳新,孙嘉,赵盼捞,袁顺达	1023
云母矿物对仁里稀有金属伟晶岩矿床岩浆-热液演化过程的指示	王臻,陈振宇,李建康,李鹏,熊欣,杨晗,周芳春	1039
幕阜山南缘似斑状黑云母花岗岩锆石 U-Pb 年龄、Hf 同位素组成及其地质意义	许畅,李建康,施光海,李鹏,刘翔,张立平	1053
幕阜山西南缘黄柏山稀有金属伟晶岩密集区的发现及意义	李鹏,李建康,张立平,黄志飏,刘翔,周芳春,曾乐	1069
中国贵州与美国内华达卡林型金矿对比及对找矿勘查的指示作用	谢卓君,夏勇, Jean Cline, 谭亲平,李松涛,赵亦猛,韦东田,王泽鹏,闫俊	1077
闽西南十二排斑岩钼矿床地质特征、同位素年代学与岩石地球化学	袁远,张达,潘天望,高彦华,李成远,倪建辉,韦牧	1094
西藏冈底斯成矿带西段罗布真浅成低温热液型金银多金属矿床地质特征及发现意义	黄瀚霄,李光明,刘洪,张洪铭,张林奎,余槐,焦彦杰,陈小平,梁维	1117
西秦岭西成矿集区郭家沟超大型铅锌矿床成矿地质特征与控矿因素	张世新,胡乔青,王义天,魏然,柯昌辉	1129
湘南圳口石英脉型黑钨矿床白云母 Ar-Ar 同位素测年及其对区域找矿勘查的指示	严宸,赵海杰,赵盼捞,袁顺达	1147
西藏多龙矿集区典型矿床(点)矿化特征与成矿作用对比研究	孙嘉,毛景文,林彬,姚佛军,李玉彬,贺文,刘泽群	1159
矿产资源评价篇(14)	吴良士	1185

第38卷 第6期

新疆东天山小白石头钨(钼)矿床流体包裹体及稀土元素地球化学对成矿作用的指示	杨富全,李 宁,张志欣,杨俊杰 1189
斑岩成矿系统多中心复合成矿作用模型——以西藏甲玛超大型矿床为例	林 彬,唐菊兴,唐 攀,郑文宝,Greg Hall,陈国良,张忠坤 1204
岛弧-陆缘弧环境斑岩 Cu±Mo±Au 矿床勘查:地质标志应用	卿 敏,王文成,李文博,张乐骏,张 岱,韩先菊 1223
云南北衙地区钨矿化特征与找矿方向	朱乔乔,张长青,姜德波,张云生,李永生,刘成飞,孙 嘉,贾福东,吉晓佳 1245
西藏铁格隆南-多不杂矿床对冲储矿机制——地球物理勘查的证据	宋 扬,唐菊兴,刘治博,李发桥,王 勤,肖 扬,王阳玲 1263
秦岭造山带柞水-山阳矿集区夏家店金矿床成矿时代及其地质意义	刘 凯,王瑞廷,樊忠平,任 涛,李剑斌,赵 亮,赵晓龙,肖鹏辉 1278
东秦岭钨多金属成矿带蟒岭矿集区南部晚侏罗世埃达克岩的厘定及成矿意义	郭岐明,赵江林,陈清敏,王 强,高勇浩,杜 彪,张栓厚 1297
相山铀矿田黄铁矿微量元素、硫同位素特征及其地质意义	刘 斌,陈卫锋,高 爽,方启春,毛玉锋,唐湘生,严永杰,魏 欣,赵葵东,凌洪飞 1321
藏南扎西康 Sb-Pb-Zn-Ag 矿床 Sm-Nd、Rb-Sr 成矿年龄	李茂田,丁 帅,郑文宝,林 彬,杨 超 1336
热液流体活动规律高光谱遥感分析示范研究——以新疆白杨河铀矿床为例	叶发旺,张 川,徐清俊,孟 树,邱骏挺,王建刚 1347
闪锌矿 LA-ICP-MS 微量元素组成对西藏纳如松多铅锌矿床成矿作用的制约	龚雪婧,杨竹森,庄亮亮,马 旺 1365
伊犁蒙其古尔铀矿床含矿层砂岩中黄铁矿形成机制及对铀成矿的指示意义	丁 波,刘红旭,张 宾,李 平,蒋 宏,张虎军,谢希良,郭春杰 1379
黔东北燕山期构造变形特征及对华南“大塘坡式”锰矿勘查的影响——以普觉锰矿床犁式正断层为例	叶 飞,潘 文,李 典,覃智贵,左 勇,周 宁,周 灵,占朋才 1392
覆盖区地球化学勘查进展	鲁 美,叶 荣,张必敏,王永康 1408
矿产资源评价篇(15)	吴良士 1412
《矿床地质》2019年总目次	1416

Comprehensive Table of Contents of “Mineral Deposits” in 2019

Vol. 38 No. 1

- Geological characteristics and origin of Daxigou SEDEX siderite deposit in Shaanxi Province
 ZHAN HanYu, LI ZhanKe, WU WenHui and LI JianWei 1
- Impact of laser focus on accuracy of U-Pb dating of zircons by LA-ICPMS YU Chao, YANG ZhiMing, ZHOU LiMin,
 ZHANG LiangLiang, LI ZhenQing, ZHAO Miao, ZHANG JiaYu, CHEN WeiYan and SUO MingShi 21
- Fluid inclusions and sulfur and lead isotopic composition of Yangba Cu-polymetallic deposit in Gansu Province.....
 MIAO YaNa, ZHANG BaoLin, SU YanPing, LIU RuiLin, LI HuiZhong and MAO JianFeng 29
- Petrogenesis of quartz diorites of Narusongduo Pb-Zn deposit, Tibet: Constraints from geochemistry and Sr-Nd-Pb isotopes
 GONG XueJing, YANG ZhuSen, ZHUANG LiangLiang and MA Wang 48
- Geochemistry of iron-rich debris from Zhibo submarine volcanic rocks in Xinjiang and its geological implications
 LUO WenJuan, ZHANG ZuoHeng, DUAN ShiGang, JIANG ZongSheng, WANG DaChuan and KANG YongJian 61
- Elements migration and mass change calculations in alteration zones of Zheyaoshan VMS deposit, Baiyinchang, Gansu Province ...
 IAN GuangLi, CHEN ShouYu, DONG Kai, ZHAO JiangNan, QIN Wei and CHEN JunLin 80
- Mineral characteristics of Basitieleke W-polymetallic deposit in Altay of Xinjiang and their geological significance
 ZHANG GuoFeng, LI Yong, YANG FuQuan, LI Qiang, YANG ChengDong and CHAI FengMei 101
- Experimental studies of homogenization temperature of fluid inclusions of halite by isothermal evaporation at 25°C involving
 NaCl-X-H₂O (X=KCl, MgCl₂, CaCl₂, Na₂SO₄) system LI Jun, CHENG HuaiDe,
 ZHANG XiYing, LI WenXia, HAI QingYu, ZHANG Xing and ZHOU TongLiang 120
- Geological and geochemical characteristics of Ganshaebo REE deposit in North Qilian Orogen, Gansu Province
 HUANG ZengBao, LI BaoHua, DONG XiaoYan,
 FU TaiYu, XU Long, GAO KunLi, CHEN Chen, ZHENG Hui and ZHU YongXin 129
- Sulfur and lead isotope composition and tracing of ore-forming material sources in Jiaduobule Fe-Cu deposit of Tibet
 NIU XuNing, ZHENG YouYe, XU Jing and WU Song 144
- Sources of ore-forming materials and genesis of Aqishan Pb-Zn deposit in East Tianshan Mountains, Xinjiang
 DENG LiMing, YANG YongQiang, LI Zhi and ZHANG XiaoJun 158
- Discovery of uranium minerals in Yunfeng bauxite deposit, Guizhou Province
 LONG YongZhen, CHI GuoXiang, GU XiangPing and DAI TaGen 170
- Geochemical characteristics of Early Cretaceous Cu-rich rocks in middle segment of Bangong-Nujiang metallogenic belt: A case study
 of Xiongmei area WANG Yun, MA XuDong, CHEN Wei, QU XiaoMing, SONG Yang and TANG JuXing 181
- Geochemical characteristics of cryptoexplosive breccia in Ketinghaer copper-zinc deposit of Qinghai Province and their geological
 significance LIU GuoYan, LI ZeFeng, ZHANG Yong,
 HE ShuYue, LIN Gui, ZHANG LaiPing, WANG Lin and ZHANG Peng 197
- Geological characteristics, mineralization regularity and prospecting of Chuandu molybdenum, tungsten and copper deposit in
 Dabaoshan ore field, Guangdong Province WANG YaoWu, WANG DengHong, LIU ZhanQing,
 WANG LanGen, LIU WuSheng, ZHAO RuYi, ZHANG Xiong, JIANG JinChang, CEN JuBiao and YIN Xiao 211

Vol. 38 No. 2

- Ore-fluid sources and genesis of Phapon gold deposit, Laos: Constraint from REE and C, O, S isotopic characteristics
 GUO LinNan, HOU Lin, LIU ShuSheng, ZHANG QiMing, XU SiWei, SHI MeiFeng and ZENG XiangTing 233

- Zircon U-Pb age of biotite granite and $^{39}\text{Ar}/^{40}\text{Ar}$ age of sericite from Aketasi gold deposit in Xinjiang, and their geological significance WEI XiaoFeng, PAN Dong, YIN YuanJun, LIAO Zhen, LÜ XiaoQiang, SHAN LiHua and DING RuFu 251
- Fluid inclusion constraint on origin of Suoluogou Au deposit, Muli County, Sichuan Province YANG YongFei, LIU ShuSheng, NIE Fei and ZHANG WenLin 261
- Research on geochemical process of Te-Au elements in Guilaizhuang gold deposit of western Shandong YU XueFeng, LI DaPeng, LI ZengSheng, WEI PengFei and Rana.N.S.Sodhi 277
- Characteristics of ore-forming fluids and sources of polymetallic ore-forming materials in deep segment of uranium deposits in Niutoushan area, Xiangshan QIU LinFei, WU Di, WU Yu, JIN GuiShan, HAN Juan, LIU JunGang and GUO Juan 291
- Genetic relationship between micro-deformation and gold enrichment of gold-bearing pyrite in Jiaodong: Constraint from EBSD fabrics and geochemistry LI RuiHong, YANG LiQiang, YUN MengHe, AN Ping, QIU KunFeng and MENG YinSheng 303
- A study of fluid inclusions from Tugurige gold deposit, Inner Mongolia: Constraint on ore genesis LI Yong, XIONG YiQu, SHAO GuoYu, LIU ZhongRen, SUN Nuo and QI Cheng 319
- Geochronology and geochemistry of Silurian dacite-porphry in Daobaoshan deposit, northern Guangdong Province, and its geological significance QU HongYing, MAO JingWen, ZHOU ShuMin and CHEN MaoHong 331
- C, H, O, S, Sr isotopic geochemistry of Chenjiaba Cu-Pb-Zn polymetallic deposit, Shaanxi Province DING Kun, WANG RuiTing, QIN XiShe, LIANG Ting, YANG XiuQing, LUAN Yan, ZHENG CuiYong and FAN XinXiang 355
- Ore fabric and mineralogy of polymetallic mineralization in western Xiangshan uranium orefield, Jiangxi Province LIU JunGang, LI ZiYing, NIE JiangTao, WANG Jian and LI XiuZhen 367
- Geological characteristics and prospecting indicator of No. 782 highland Nb-rich rare-metal deposit in Mohe City, Heilongjiang Province XU GuoZhan, WU MingQian, XU WenXi, DING JiShuang, YU XianZhang, ZHANG LiDong, LI ChengLu and YANG Yi 382
- Characteristics and U-Pb dating of zircons for intermediate-acidic dikes in Qingyang-Jingxian area of South Anhui Province and their geological significance BAI RuYu, XU XiaoChun, DU JianGuo, DAI ShengQian, ZHANG DaYu and CHE YingDan 401
- Geochemical characteristics of magnetite from Zankan iron deposit in Tashenkuergan orefield and its constraint on mineralization CHEN DengHui, SUI QingLin, ZHAO XiaoJian, LI XuTuo, GAO YongBao and WANG ZhiHua 426
- Characteristics of hyperspectral remote sensing alteration anomaly and ore-prospecting analysis in Donggebi area of Xinjiang WANG YongJun, WANG RuiJun, SUN YongBin and WANG Shen 439
- Characteristics of high-precision magnetic anomaly in Cen'gong Block and its geological significance QIAN WenDao, YIN TaiJu and LI XueSen 449

Vol. 38 No. 3

- Ore-forming fluid and isotope geochemical study of Fancha gold deposit in Lingbao County, Henan Province ZHAN EnPeng, WANG Pin, QI Nan, XU Chen, HAO JiaoLong, LI ZongYan and CHEN YanJing 459
- Constraint of crustal thickness on gold deposit spatial distribution of China ZHU PingPing, CHENG QiuMing and WU GuoPeng 479
- Geochronology, geochemistry and metallogenic characteristics of Muluozhai deposit in southwestern Sichuan Province FU HaoBang, LIU Yan, ZHENG Xu, JIA YuHeng and DING Yan 491
- Geochronology and geochemistry of Maodeng-Xiaogushan tin-polymetallic orefield in southern Da Hinggan Mountains and their geological significances GUO Shuo, HE Peng, ZHANG XueBin, CUI YuRong, ZHANG TianFu, ZHANG Kuo, LAI Lin and LIU ChuanBao 509
- Zircon LA-ICP-MS U-Pb geochronology and Hf isotopes of lamprophyre in Gan'gou gold deposit, Yao'an County, Central Yunnan Province YAN QingGao, GUO ZhongLin, LI Chao, JIANG XiaoJun, WANG ZhongQiang and LI YaDong 526
- Metallogenic age of Yanjingou gold deposit in Wulonggou gold orefield, eastern Kunlun Mountains CHEN BaiLin, WANG Yong, HAN Yu and CHEN JianLin 541

- ⁴⁰Ar-³⁹Ar age of altered sericite from Yuerya Au deposit in eastern Hebei Province and its geological significance
 CHEN ShaoCong, YE HuiShou, WANG YiTian, HE Wen, ZHANG XingKang and WANG NingYu 557
- Geochemistry, zircon U-Pb ages and geological significance of volcanic rocks from Shangmachang gold deposit, Northern Da Hinggan Mountains WANG FengBo and YANG YanChen 571
- Geological characteristics and prospecting direction of Cuonadong Be-Rb rare mineral deposit in Cuonadong gneiss dome of North Himalaya XIA XiangBiao, LI GuangMing, ZHANG Zhi, LIANG Wei, ZHANG LinKui and XIANG AnPing 586
- Superimposed mineralization of Zhangmajing uranium-molybdenum ore deposit in northern Hebei Province: Constraints from mass balance migration calculation of ore geochemistry SONG Kai, WU JianHua, GUO HengFei and GUO GuoLin 599
- Zircon U-Pb geochronology of ore-bearing olivine-pyroxenite of Changren Cu-Ni mining area in Helong, Jilin, and its geological significance WU Qiong, SUN FengYue, LIU JinLong, TIAN LiDan and FAN XingZhu 620
- Sources of ore-forming materials of Luerma porphyry copper (gold) deposit, western Gangdise LIU Hong, LI GuangMing, HUANG HanXiao, ZHANG LinKui, LÜ MengHong, LAN ShuangShuang, FU JianGang, ZHOU WeiDe and XIE Hui 631
- A comprehensive information exploration model for magmatic Cu-Ni sulfide deposits in Beishan, Xinjiang
 LIU YueGao, LÜ XinBiao, RUAN BanXiao, LIU Xiao, LIU Shuang, FENG Jing, DENG Gang, WANG Heng, ZENG HuaDong, WANG Peng, WANG Wei, WANG Lei and LU Qiang 644
- Features of alteration and geochemistry of Azelik uranium deposit of Niger: Restraint to source of metallogenetic materials
 XU Qiang, QIN MingKuan, FAN HongHai, GU DaZhao, LI Juan, HE ZhongBo, LIU ZhangYue and HUANG ShaoHua 667

Vol. 38 No. 4

- Critical minerals: International trends and thinking
 MAO JingWen, YANG ZongXi, XIE GuiQing, YUAN ShunDa and ZHOU ZhenHua 689
- Current research status and important issues of magmatic sulfide deposits SONG XieYan 699
- Geochemistry of germanium and its resources reserves YE Lin, WEI Chen, HU YuSi,
 HUANG ZhiLong, LI ZhenLi, YANG YuLong and WANG HaoYu 711
- A preliminary study of characteristics of dispersed metal-bearing deposits in Middle-Lower Yangtze River Metallogenic Belt
 XIE GuiQing, HAN YingXiao and LI XinHao 729
- Characteristics and exploration and research progress of global cobalt deposits
 WANG Hui, FENG ChengYou and ZHANG MingYu 739
- Application of comprehensive prospecting model to rare lithium metal exploration in Jiajika concealed ore deposit
 FU XiaoFang, HUANG Tao, HAO XueFeng, ZOU FuGe, XIAO RuiQing, YANG Rong, PAN Meng, TANG Yi and ZHANG Chen 751
- Geological characteristics and metallogenic age of Renli rare metal orefield in Hunan and its prospecting significance
 LIU Xiang, ZHOU FangChun, LI Peng, LI JianKang, HUANG ZhiBiao, SHI WeiKe, HUANG XiaoQiang, ZHANG LiPing and SU JunNan 771
- Metallogeny and prospecting model as well as prospecting direction of pegmatite-type rare metal ore deposits in Altay orogenic belt, Xinjiang ZHANG Hui, LÜ ZhengHang and TANG Yong 792
- Geochemistry, zircon geochronology and Lu-Hf isotopic characteristics of highly fractionated granite from Changzheng dome in western Sichuan and their constraint on mineralization setting of rare metal deposit
 ZHOU Yu, ZHOU Xiong, ZHANG Yi, QIN ZhiPeng and JIA ZhiQuan 815
- REE mineral and geochemical characteristics of Neoproterozoic metamorphic rocks in South Jiangxi Province
 WANG Zhen, CHEN ZhenYu, ZHAO Zhi, CHEN BinFeng and ZOU XinYong 837
- Relationship between the mineralization and the evolution of mica and feldspar components of Renli-Chuanziyuan No. 5 Pegmatite, northeast Hunan
 YANG Han, CHEN ZhenYu, LI JianKang, LI Peng, XIONG Xin, WANG Zhen and ZHOU FangChun 851

- Metallogenic regularity and prospecting direction of rare metal deposits in Keeryin ore concentration area, western Sichuan YUE XiangYuan, ZHANG Yi, ZHOU Xiong, GONG DaXing, TAN HongQi, ZHOU Yu and ZHU ZhiMin 867
- Mineral chemistry of micas from Ke'eryin pegmatite type lithium orefield in western Sichuan and its indication for rare metal mineralization and prospecting MA ShengChao, WANG DengHong, LIU ShanBao, SUN Yan, GUO WeiMing, DAI HongZhang, LIU LiJun and LI Chao 877
- Bauxite (aluminum)-type lithium resources and analysis of its development and utilization potential ZHONG HaiRen, SUN Yan, YANG YueQing, WANG DengHong, HUANG Fan and ZHAO Zhi 898
- Influence of carbonaceous strata on skarn tungsten deposits: A case study of Fujiashan deposit in eastern Hubei Province JI YunHao, XIE GuiQing, ZHU QiaoQiao, SUN XiaoFeng and LI XinHao 917

Vol. 38 No. 5

- New advances on metallogenic studies and exploration on critical minerals of China in 21st century MAO JingWen, YUAN ShunDa, XIE GuiQing, SONG ShiWei, ZHOU Qi, GAO YongBao, LIU Xiang, FU XiaoFang, CAO Jing, ZENG ZaiLin, LI TongGuo and FAN XiYin 935
- Types, internal structural patterns, mineralization and prospects of rare-element pegmatites in East Qinling Mountain in comparison with features of Chinese Altay QIN KeZhang, ZHOU QiFeng, TANG DongMei and WANG ChunLong 970
- Giant Bayan Obo Fe-Nb-REE deposit: Progresses, Controversaries and new understandings XIE YuLing, QU YunWei, YANG ZhanFeng, LIANG Pei, ZHONG RiChen, WANG QiWei, XIA JiaMing and LI BiCheng 983
- Formation mechanism and intrinsic genetic relationship between tin-tungsten-lithium mineralization and peripheral lead-zinc-silver-copper mineralization: Exemplified by Weilasituo tin-tungsten-lithium polymetallic deposit, Inner Mongolia ZHOU ZhenHua, GAO Xu, OUYANG HeGen, LIU Jun and ZHAO JiaQi 1004
- Main types and metallogenic mechanism of scandium deposits TAO XuYun, WANG JiaXin, SUN Jia, ZHAO PanLao and YUAN ShunDa 1023
- Indication of mica minerals for magmatic-hydrothermal evolution of Renli rare metal pegmatite deposit WANG Zhen, CHEN ZhenYu, LI JianKang, LI Peng, XIONG Xin, YANG Han and ZHOU FangChun 1039
- Zircon U-Pb age and Hf isotopic composition of porphyreous biotite granite in south margin of Mufushan and their geological implications XU Chang, LI JianKang, SHI GuangHai, LI Peng, LIU Xiang and ZHANG LiPing 1053
- Discovery and significance of Huangbaishan rare metal pegmatite concentration area on southern margin of Mufushan LI Peng, LI JianKang, ZHANG LiPing, HUNAG ZhiBiao, LIU Xiang, ZHOU FangChun and ZENG Le 1069
- A comparison between Carlin-type Au deposits in Guizhou of China and Nevada of USA and its implications for exploration XIE ZhuoJun, XIA Yong, CLINE Jean, TAN QinPing, LI SongTao, ZHAO YiMeng, WEI DongTian, WANG ZePeng and YAN Jun 1077
- Geology, geochronology and geochemistry of Shierpai porphyry molybdenite deposit in southwestern Fujian Province YUAN Yuan, ZHANG Da, PAN TianWang, GAO YanHua, LI ChengYuan, NI JiangHui and WEI Mu 1094
- Geological characteristics and significance of Luobuzhen epithermal Au-Ag polymetallic deposit in west of Gangdise metallogenic belt HUANG HanXiao, LI GuangMing, LIU Hong, ZHANG HongMing, ZHANG LinKui, YU Huai, JIAO YanJie, CHEN XiaoPing and LIANG Wei 1117
- Characteristics of ore geology and ore-controlling factors of giant Guojiagou Pb-Zn deposit in Xicheng ore concentration area, western Qinling ZHANG ShiXin, HU QiaoQing, WANG YiTian, WEI Ran and KE ChangHui 1129
- Muscovite Ar-Ar isotopic dating of Zhenkou quartz vein type wolframite deposit in southern Hunan Province and its significance for regional exploration YAN Chen, ZHAO HaiJie, ZHAO PanLao and YUAN ShunDa 1147
- Comparison of ore geology and ore-forming processes of ore deposits (ore spots) in Duolong area, Tibet SUN Jia, MAO JingWen, LIN Bin, YAO FuJun, LI YuBin, HE Wen and LIU ZeQun 1159

Vol. 38 No. 6

- The indicating significance of fluid inclusions and REE geochemistry for mine-realization of Xiaobaishitou W-(Mo) deposit, East Tianshan Mountains, Xinjiang *YANG FuQuan, LI Ning, ZHANG ZhiXin and YANG JunJie* 1189
- Polycentric complex mineralization model of porphyry system: A case study of Jiama superlarge deposit in Tibet
..... *LIN Bin, TANG JuXing, TANG Pan, ZHENG WenBao, GREG Hall, CHEN GuoLiang and ZHANG ZhongKun* 1204
- Exploration of porphyry Cu±Mo±Au deposits in island arc and continental margin arc environment: Application of geological indexes
..... *QING Min, WANG WenCheng, LI WenBo, ZHANG LeJun, ZHANG Dai and HAN XianJu* 1223
- Tungsten mineralization characteristics and prospecting of Beiya area, Yunnan Province *ZHU QiaoQiao, ZHANG ChangQing, LOU DeBo, ZHANG YunSheng, LI YongSheng, LIU ChengFei, SUN Jia, JIA FuDong and JI XiaoJia* 1245
- Mechanism of Tiegelongnan-Duobuza ramp style ore-controlling structure, Tibet: Evidence from geophysical exploration
..... *SONG Yang, TANG JuXing, LIU ZhiBo, LI FaQiao, WANG Qin, XIAO Yang and WANG YangLing* 1263
- Metallogenic age of Xiajiadian gold deposit in the Zhashui-Shanyang ore concentration, Qinling orogenic belt and its geological significance *LIU Kai, WANG RuiTing, FAN ZhongPing, REN Tao, LI JianBin, ZHAO Liang, ZHAO XiaoLong and XIAO PengHui* 1278
- Identification of adakitic rock in southern Mangling mining area of East Qinling molybdenum polymetallic metallogenic belt and its metallogenic significance *GUO QiMing, ZHAO JiangLin, CHEN QingMin, WANG Qiang, GAO YongHao, DU Biao and ZHANG ShuanHou* 1297
- Sulfur isotope and trace element geochemical characteristics of pyrite in Xiangshan uranium orefield and its geological significance
..... *LIU Bin, CHEN WeiFeng, GAO Shuang, FANG QiChun, MAO YuFeng, TANG XiangSheng, YAN YongJie, WEI Xin, ZHAO KuiDong and LING HongFei* 1321
- Sm-Nd and Rb-Sr metallogenic ages of Zhaxikang Sb-Pb-Zn-Ag deposit, South Tibet
..... *LI MaoTian, DING Shuai, ZHENG WenBao, LIN Bin and YANG Chao* 1336
- Demonstration analysis of hydrothermal fluid activity using hyperspectral remote sensing technology: A case study of Baiyanghe uranium deposit, Xinjiang *YE FaWang, ZHANG Chuan, XU QingJun, MENG Shu, QIU JunTing and WANG JianGang* 1347
- Genesis of Narusongduo Pb-Zn deposit, Tibet: Constraint from in-situ LA-ICP-MS analyses of minor and trace elements in sphalerite *GONG XueJing, YANG ZhuSen, ZHUANG LiangLiang and MA Wang* 1365
- Mineralogical and isotopes evidence for origin of pyrite: Implication for formation mechanism of pyrite and its relationship with uranium mineralization in Mengqigu'er uranium deposit, Yili Basin *DING Bo, LIU HongXu, ZHANG Bin, LI Ping, JIANG Hong, ZHANG HuJun, XIE XiLiang and GUO ChunJie* 1379
- Structural deformation of northeastern Guizhou during Yanshanian period and its influence on exploration of Datangpo manganese deposits in South China: A case study of plow-type normal faults in Pujue Mn deposit
..... *YE Fei, PAN Wen, LI Dian, QIN ZhiGui, ZUO Yong, ZHOU Ning, ZHOU Ling and ZHAN PengCai* 1392