

《矿床地质》2008 年总目次

第 27 卷 第 1 期

内蒙古苏莫查干敖包特大型萤石矿床地质特征及成因	聂凤军,许东青,江思宏,刘妍	1
东秦岭二郎坪群中火山成因块状硫化物矿床地质地球化学特征及其成因讨论	燕长海,徐勇航,彭翼,赵太平	14
西藏驱龙铜矿西部斑岩与成矿关系的厘定:对矿床未来勘探方向的重要启示	杨志明,侯增谦,夏代详,宋玉财,李政	28
扬子陆块北缘马元铅锌矿床地质和地球化学特征	王晓虎,薛春纪,李智明,李强,杨荣进	37
甚低频电磁法在草原覆盖区矿产勘查中的应用	董英君,王戈,宋玉坤,李进文,张德全,余宏全,李大新,丰成友	49
四平山门 Cu-Ni 矿化辉长岩体锆石 LA-ICP-MS 年龄及其地质意义	郝爱华,蔡元峰,葛玉辉,孙国胜,李碧乐	57
胶西北上庄金矿床原生晕(垂)向分带特征及深部矿体预测的勘查地球化学标志	孙华山,孙林,曹新志,王超,谭俊,刘福江,杨开春	64
黑龙江省东宁县金厂金矿床角砾型铜金矿体流体包裹体研究	门兰静,孙景贵,赵俊康,陈雷,梁树能,逢伟,陈冬	71
甘肃省阳山金矿床成因及成矿模式	齐金忠,李莉,杨贵才	81
铅同位素在矿产资源评价中的应用——以甘肃省鹰嘴山金矿区为例	崔学军,李中兰,朱炳泉,姜晓玮,王冉,徐力峰	88
滇西沧源铅锌多金属矿集区流体包裹体研究	肖晓牛,喻学惠,杨贵来,杨伟光,莫宣学,曾普胜	101
数字矿床模型研究与系统实现	何凯涛,王勇毅,丁建华,赵汀	113
伊朗地质构造及其区域成矿	李锦平,吴良士	120
内蒙古北山发现国钦铜矿床	李文明,赵国斌,全守村,雷永孝,杨合群,杨建国	122
《矿床地质》稿约		封三

第 27 卷 第 2 期

青藏高原碰撞造山带 Pb-Zn-Ag-Cu 矿床新类型:成矿基本特征与构造控矿模型	侯增谦,宋玉财,李政,王召林,杨志明,杨竹森,刘英超,田世洪,何龙清,陈开旭,王富春,赵呈祥,薛万文,鲁海峰	123
川西冕宁-德昌喜马拉雅期稀土元素成矿带:矿床地质特征与区域成矿模型	侯增谦,田世洪,谢玉玲,袁忠信,杨竹森,尹淑苹,费红彩,邹天人,李小渝,杨志明	145
川西冕宁-德昌 REE 成矿带成矿年代学研究:热液系统维系时限和构造控矿模型约束	田世洪,侯增谦,杨竹森,陈文,杨志明,袁忠信,谢玉玲,费红彩,尹淑苹,刘英超,李政,李小渝	177
西藏驱龙斑岩铜钼矿床中 UST 石英的发现:初始岩浆流体的直接记录	杨志明,侯增谦,李振清,宋玉财,谢玉玲	188
冈底斯驱龙斑岩铜钼矿床的岩浆侵位中心和矿化中心:破裂裂隙和矿化强度证据	肖波,李光明,秦克章,李金祥,赵俊兴,刘小兵,夏代祥,吴兴炳,彭震威	200
西藏班公湖带多不杂富金斑岩铜矿床中金红石的特征及其意义	李金祥,秦克章,李光明,肖波,张天平,雷晓光	209
西藏马攸木金矿床的矿床类型讨论	江思宏,聂凤军,刘翼飞	220
云南大平掌铜多金属矿床成矿作用	杨岳清,杨建民,徐德才,杨建华	230
滇西北保山核桃坪铅锌矿床成矿流体来源的同位素地球化学证据	薛传东,韩润生,杨海林,杨志明,田世洪,刘勇强,郝百武	243
密西西比河谷型(MVT)铅锌矿床:认识与进展	刘英超,侯增谦,杨竹森,田世洪,宋玉财,杨志明,王召林,李政	253
伊朗主要金属矿产资源地质特征	李锦平,吴良士	265
《矿床地质》稿约		封三

第 27 卷 第 3 期

铁氧化物-铜-金 (IOCG) 型矿床 基本特征、研究现状与找矿勘查 毛景文, 余金杰, 袁顺达, 程彦博, 谢桂青, 侯可军, 向君峰, 杨宗喜 267

西藏驱龙超大型斑岩铜矿床 地质、蚀变与成矿 杨志明, 侯增谦, 宋玉财, 李振清, 夏代详, 潘凤雏 279

延边小西南岔富金铜矿田燕山晚期花岗杂岩的锆石 SHRIMP U-Pb 年龄及其地质意义 孙景贵, 陈 雷, 赵俊康, 门兰静, 逢 伟, 陈 东, 梁树能 319

福建龙岩中甲锡多金属矿床石英斑岩中锆石的 SHRIMP U-Pb 年龄及其地质意义 杨祖龙, 张德全, 丰成友, 余宏全, 李进文 329

青海南部熔积岩的发现 对寻找 VMS 型矿床的重要启示 杨志明, 侯增谦, Noel C White, 杨开辉, 宋玉财, 王召林 336

北祁连黑矿型和塞浦路斯型硫化物矿床容矿火山岩的物质来源与形成环境 张兰英, 曲晓明, 辛洪波 345

湘西桃源县西安钨金矿床褶皱构造的发现及控矿意义 申 萍, 沈远超, 王京彬, 刘铁兵, 刘正桃, 付水兴, 李丰收 357

冷水坑斑岩型银铅锌矿床含矿岩系岩石地球化学及 Sr、Nd 同位素研究 左力艳, 孟祥金, 杨竹森 367

华北陆块南、北缘铅锌矿床成矿特征对比 段士刚, 薛春纪, 燕长海, 刘国印, 宋要武, 张德会 383

青海东昆仑卡尔却卡多金属矿区斑岩型铜矿的流体包裹体研究 李世金, 孙丰月, 王 力, 李玉春, 刘振宏, 苏生顺, 王 松 399

了墩隆起西缘地浸砂岩铀矿成矿水动力条件的遥感处理与分析 刘蓉蓉, 林子瑜 407

鄂尔多斯盆地东北部砂岩型铀成矿模式研究 韩效忠, 张字龙, 姚春玲, 李西得, 李胜祥, 苗爱生, 杨建新 415

印度共和国地质构造与区域成矿 张建华, 吴良士 423

第 27 卷 第 4 期

内蒙古正蓝旗羊蹄子山-磨石山锐钛矿矿床地质与地球化学—— 勘查和研究工作小结 赵一鸣, 李大新, 吴良士, 陈文明, 丰成友, 王佩华, 高学东 425

内蒙古羊蹄子山-磨石山锐钛矿矿床富矿层和花岗岩锆石 SHRIMP U-Pb 定年及其地质意义 李大新, 赵一鸣, 丰成友, 吴良士, 陈文明 449

内蒙古正蓝旗羊蹄子山-磨石山钛矿区两种不同成因类型的锐钛矿富矿体 赵一鸣, 李大新, 吴良士, 马 润, 陈文明, 王佩华, 高学东 459

内蒙古羊蹄子山-磨石山钛矿床锐钛矿、金红石和钛铁矿的矿物学特征 赵一鸣, 李大新, 韩景仪, 余 静 466

内蒙古羊蹄子山-磨石山锐钛矿矿床斜长角闪岩类的岩石学和地球化学特征 李大新, 赵一鸣, 王佩华, 丰成友 474

内蒙古正蓝旗羊蹄子山-磨石山钛矿区硅质岩地球化学特征及沉积环境意义 丰成友, 赵一鸣, 李大新 483

内蒙古羊蹄子山-磨石山钛矿床的物性特征及有效找矿方法探讨 严加永, 刘光海, 王君恒, 潘竹平 494

山西代县碾子沟金红石矿床地球化学特征 徐少康, 邓小林, 刘力生, 云连涛 502

金红石矿床的类型、分布及其主要地质特征 赵一鸣 520

不同产状和成因类型的金红石矿物学特征及其研究意义 蔡剑辉, 王立本, 李锦平 531

锐钛矿的用途简介 高学东, 王佩华 539

印度共和国主要矿产资源及其地质特征 张建华, 吴良士 541

第 27 卷 第 5 期

内蒙古敖包吐萤石矿床的 Sr、Nd、Pb 同位素地球化学特征 许东青, 聂凤军, 刘 妍, 张万益, 云 飞, 张天俊, 林日亮, 吕旭光 543

新疆维权银多金属矿床地质特征及找矿方向	冯京, 高永宝, 王磊, 李文渊, 张照伟, 谭文娟	559
湖北徐家山锑矿床流体包裹体特征及其意义	沈能平, 彭建堂, 袁顺达, 张东亮, 胡瑞忠, 王国强	570
义县萤石矿床稀土元素地球化学特征及其指示意义	孙祥, 杨子荣, 刘敬党, 王永春, 王文武, 徐大地	579
云南宝兴厂金矿床地质特征及成因	李汉光, 郭晓东, 王绍明, 皮清明, 和正中	587
阿尔泰造山带南缘和准噶尔板块北缘晚古生代构造演化及多金属成矿作用	张海祥, 牛贺才, 沈晓明, 马林, 于学元	596
江苏观山铜铅金矿床成矿流体地球化学和成因	梁业恒, 孙晓明, 翟伟, 马春, 吴志强, 丁存根, 王堂喜, 李爱菊, 梁金龙	605
金川铜镍硫化物矿床两类矿石的稀土元素地球化学特征研究	赵振华, 钱汉东	613
湘中奥陶纪锰矿带成矿特征及资源前景	彭三国, 付群和, 张殿春	622
山东潍坊沿海地下卤水矿地质特征及成矿规律	王松涛, 高美霞, 傅俊鹤	631
潜在多金属结核矿床 GIS 预测系统设计与应用	田赤英, 李德平, 周怀阳, 周宁, 杨群慧, 杜德文, 程永寿	638
证据权重法在张家口地区铅锌银富集区定量评价中的应用	李随民, 姚书振, 韩玉丑, 郝华金, 陈树清	647
吉尔吉斯斯坦共和国地质构造与区域成矿		655
第 33 届国际地质大会在挪威奥斯陆召开		封三

第 27 卷 第 6 期

新疆阿尔泰蒙库铁矿床的成矿流体及成矿作用	杨富全, 毛景文, 柴凤梅, 刘锋, 周刚, 耿新霞, 刘国仁, 徐林刚	659
“石碌式”铁氧化物-铜(金)-钴矿床成矿模式初探	许德如, 王力, 肖勇, 刘朝露, 符启基, 蔡周荣, 黄居锐	681
云南官房铜矿床矿石矿物特征及银的赋存状态	刘德利, 刘继顺, 张彩华, 韩海涛, 周余国	695
罗布泊杂卤石沉积特征及成因机理探讨	刘成林, 王弭力, 焦鹏程, 樊卫东, 陈永志, 杨智琛, 王敬国	705
豫西前河构造蚀变岩型金矿成矿过程中的流体-岩石反应	曹烨, 李胜荣, 申俊峰, 要梅娟, 李庆康, 毛付龙	714
辽东-吉南硼矿的控矿因素及成矿作用研究	王翠芝, 肖荣阁, 刘敬党	727
贵州遵义下寒武统黑色岩系 Ni-Mo 多金属矿地球化学特征及成矿作用	周洁, 胡凯, 边立曾, 姚素平, 曹剑, 宋世明	742
河南省前河构造蚀变岩型金矿的矽卡岩化及其找矿意义	汪在聪, 李胜荣, 申俊峰	751
秦岭造山带的印支运动及印支期成矿作用	卢欣祥, 李明立, 王卫, 于在平, 时永志	762
MC-ICP-MS 高精度 Cu、Zn 同位素测试技术	侯可军, 李延河, 田有荣, 秦燕, 谢桂青	774
中国铁矿床品位-吨位模型	阴江宁, 肖克炎, 邹伟, 丁建华, 娄德波	782
吉尔吉斯斯坦共和国矿产资源及其地质特征		791
2008 年总目次		794
《矿床地质》稿约		封三

Comprehensive Table of Contents of Mineral Deposits in 2008

Vol. 27 No. 1

Geological features and origin of Sumoqagan Obo superlarge independent fluorite deposit , Inner Mongolia	NIE FengJun , XU DongQin , JIANG SiHong and LIU Yan 1
Geological-geochemical characteristics and genesis of massive sulfide deposits in Er 'langping Group of East Qinling	YAN ChangHai , XU YongHang , PENG Yi and ZHAO TaiPing 14
Relationship between Western Porphyry and mineralization in Qulong copper deposit of Tibet and its enlightenment to further exploration	YANG ZhiMing , HOU ZengQian , XIA DaiXiang , SONG YuCai and Li Zheng 28
Geological and geochemical characteristics of Mayuan Pb-Zn ore deposit on northern margin of Yangtze landmass	WANG XiaoHu , XUE ChunJi , LI ZhiMing , LI Qiang and YANG RongJin 37
Application of very low frequency electromagnetic method to exploration work in grassland-capped areas	DONG YingJun , WANG Ge , SONG YuKun , LI JinWen , ZHANG DeQuan , SHE HongQuan , LI DaXin and FENG ChengYou 49
LA-ICP-MS zircon U-Pb age of Longwang gabbro of Shanmen silver deposit in Siping City and its geological significance	XI AiHua , CAI YuanFeng , GE YuHui , SUN GuoSheng and LI BiLe 57
Axial/vertical zoning characteristics of primary halos and geochemical exploration indicators for deep ore body prognosis in Shangzhuang gold deposit , northwest Jiaodong peninsula , Shandong Province	SUN HuaShan , SUN Lin , CAO XinZhi , WANG Chao , TAN Jun , LIU FuJiang and YANG KaiChun 64
Fluid inclusions in breccia-type copper-gold ore bodies of Jinchang gold deposit , Dongning County , Heilongjiang Province	MEN LanJing , SUN JingGui , ZHAO JunKang , CHEN Lei , LIANG ShuNeng , PANG Wei and CHEN Dong 71
Genesis and metallogenic model of Yangshan gold deposit in Gansu Province	QI JinZhong , LI Li and YANG GuiCai 81
Application of Pb isotopes to evaluation of mineral resources : A case study of Yingzuishan gold deposit , Gansu Province	CUI XueJun , LI ZhongLan , ZHU BingQuan , JIANG XiaoWei , WANG Ran and XU LiFeng 88
A study of fluid inclusions from Cangyuan lead-zinc polymetallic ore concentration area in western Yunnan	XIAO XiaoNiu , YU XueHui , YANG GuiLai , YANG WeiGuang , MO XuanXue and ZENG PuSheng 101
Digital deposit model and its implementation in GIS system	HE KaiTao , WANG YongYi , DING JianHua and ZHAO Ting 113

Vol. 27 No. 2

Thrust-controlled , sediments-hosted Pb-Zn-Ag-Cu deposits in eastern and northern margins of Tibetan orogenic belt : Geological features and tectonic model	HOU ZengQian , SONG YuCai , LI Zheng , WANG ZhaoLin , YANG ZhiMing , YANG ZhuSen , LIU YingChao , TIAN ShiHong , HE LongQing , CHEN KaiXu , WANG FuChun , ZHAO ChengXiang , XUE WanWen and LU HaiFeng 123
Mianning-Dechang Himalayan REE belt associated with carbonatite-alkalic complex in eastern Indo-Asian collision zone , southwest China : Geological characteristics of REE deposits and a possible metallogenic model	HOU ZengQian , TIAN ShiHong , XIE YuLing , YUAN ZhongXin , YANG ZhuSen , YIN ShuPing , FEI HongCai , ZOU TianRen , LI XiaoYu and YANG ZhiMing 145
Geochronology of REE deposits in Mianning-Dechang REE metallogenic belt : Constraints on duration of hydrothermal activities and tectonic model for carbonatite-alkalic complexes in southwestern Sichuan	TIAN ShiHong , HOU ZengQian , YANG ZhuSen , CHEN Wen ,

YANG ZhiMing , YUAN ZhongXin , XIE YuLing , FEI HongCai , YIN ShuPing , LIU YingChao , LI Zheng and LI XiaoYu 177	
Direct record of primary fluid exsolved from magma : Evidence from unidirectional solidification texture(UST) in quartz found in Qulong porphyry copper deposit ,Tibet	
..... YANG ZhiMing , HOU ZengQian , LI ZhenQing , SONG YuCai and XIE YuLing 188	
Magmatic intrusion center and mineralization center of Qulong porphyry Cu-Mo deposit in Tibet : Evidence from fissure-veinlets and mineralization intensity	
..... XIAO Bo , LI GuangMing , QIN KeZhang , LI JinXiang , ZHAO JunXing , LIU XiaoBing , XIA DaiXiang , WU XingBing and PENG ZhenWei 200	
Characteristics of rutiles from Duobuza gold-rich porphyry copper deposit in Bangong Lake Belt of northern Tibet and their significance	
..... LI JinXiang , QIN KeZhang , LI GuangMing , Xiao Bo , ZHANG TianPing and LEI XiaoGuang 209	
Discussion on genetic type of Mayum gold deposit in Tibet	
..... JIANG SiHong , NIE FengJun and LIU YiFei 220	
Mineralization of Dapingzhang massive sulfide copper-polymetallic deposit in Yunnan	
..... YANG YueQing , YANG JianMin , XU DeCai and YANG JianHua 230	
Isotope geochemical evidence for ore-forming fluid resources in Hetaoping Pb-Zn deposit , Baoshan , northwestern Yunnan	
..... XUE ChuanDong , HAN Runsheng , YANG HaiLin , YANG ZhiMing , TIAN ShiHong , LIU YongQiang and HAO BaiWu 243	
Some insights and advances in study of Mississippi Valley-type(MVT) lead-zinc deposits	
..... LIU YingChao , HOU ZengQian , YANG ZhuSen , TIAN ShiHong , SONG YuCai , YANG ZhiMing , WANG ZhaoLin and LI Zheng 253	

Vol. 27 No. 3

Iron oxide-copper-gold deposits : Characteristics , present research situation and ore prospecting	
..... MAO JingWen , YU JinJie , YUAN ShunDa , CHEN YanBo , XIE GuiQing , HOU KeJun , XIANG JunFeng and YANG ZongXi 267	
Qulong superlarge porphyry Cu deposit in Tibet : Geology , alteration and mineralization	
..... YANG ZhiMing , HOU ZengQian , SONG YuCai , LI ZhenQing , XIA DaiXiang and PAN FengChu 279	
SHRIMP U-Pb dating of zircons from Late Yanshanian granitic complex in Xiaoxinancha gold-rich copper orefield of Yanbian and its geological implications	
..... SUN JingGui , CHEN Lei , ZHAO JunKang , MEN LanJing , PANG Wei , CHEN Dong and LIANG ShuNeng 319	
SHRIMP zircon U-Pb dating of quartz porphyry from Zhongjia tin-polymetallic deposit in Longyan area , Fujian Province , and its geological significance	
..... YANG ZuLong , ZHANG DeQuan , FENG ChengYou , SHE HongQuan and LI JinWen 329	
Discovery of peperite in south Qinghai and its inspiration to exploration of volcanogenic massive sulfide(VMS) deposits	
..... YANG ZhiMing , HOU ZengQian , Noel C White , YANG KaiHui , SONG YuCai and WANG ZhaoLin 336	
Material source and formation environment of ore-hosting volcanic rocks in Kuroko-type and Cyprus-type sulfide deposits of North Qilian Mountains	
..... ZHANG LanYing , QU XiaoMing and XIN HongBo 345	
Discovery of fold structure in Xi 'an W-Au deposit of Taoyuan County , western Hunan , and its ore-controlling significance	
..... SHEN Ping , SHEN YuanChao , WANG JingBin , LIU TieBing , LIU ZhengTao , FU ShuiXing and LI FengShou 357	
Petrochemistry and Sr , Nd isotopes of intrusive in Lengshuikeng porphyry type Ag-Pb-Zn deposit	
..... ZUO LiYan , MENG XiangJin and YANG ZhuSen 367	
Comparison of Pb-Zn metallogenic characteristics between northern and southern margins of North China Landmass	
..... DUAN ShiGang , XUE ChunJi , YAN ChangHai , LIU GuoYin , SONG YaoWu and ZHANG DeHui 383	
Fluid inclusion studies of porphyry copper mineralization in Kaerqueka polymetallic ore district , East Kunlun Mountains , Qinghai Province	
..... LI ShiJin , SUN FengYue , WANG Li , LI YuChun , LIU ZhenHong , SU ShengShun and Wang Song 399	
Remote sensing extraction and analysis of metallogenic hydrodynamic conditions of in-situ leachable sandstone-type uranium deposit on	

western margin of Liaodun uplift	LIU RongRong and LIN ZiYu	407
Discussion on metallogenic model for sandstone-hosted uranium deposits in northeastern Ordos Basin	HAN XiaoZhong , ZHANG ZiLong , YAO ChunLing , LI XiDe , LI ShengXiang , MIAO AiSheng and YANG JianXin	415

Vol. 27 No. 4

Geology and geochemistry of Yangtizishan-Moshishan anatase ore deposit in Zhenglanqi County , Inner Mongolia : A summary of exploration and investigation work	ZHAO YiMing , LI DaXin , WU LiangShi , CHEN WenMing , FENG ChengYou , WANG PeiHua and GAO XueDong	425
SHRIMP U-Pb zircon dating of Mesoproterozoic anatase-rich ore beds and granite in Yangtizishan-Moshishan anatase deposit , Inner Mongolia , and its geological significance	LI DaXin , ZHAO YiMing , FENG ChengYou , WU LiangShi and CHEN WenMing	449
Two different genetic types of anatase-dominated rich ores in Yangtizishan-Moshishan titanium deposit and their metallogenic characteristics	... ZHAO YiMing , LI DaXin , WU LiangShi , MA Run , CHEN WenMing , WANG PeiHua and GAO XueDong	459
Mineralogical characteristics of anatase , rutile and ilmenite in Yangtizishan-Moshishan titanium ore deposit , Inner Mongolia	ZHAO YiMing , LI DaXin , HAN JingYi and YU Jing	466
Petrology and geochemical characteristics of amphibolites in Yangtizishan-Moshishan anatase ore deposit , Inner Mongolia	LI DaXin , ZHAO YiMing , WANG PeiHua and FENG ChengYou	474
Geochemical characteristics of siliceous rocks in Yangtizishan-Moshishan anatase ore district , Zhenglanqi County , Inner Mongolia , with implications for sedimentary environment	FENG ChengYou , ZHAO YiMing and LI DaXin	483
A discussion on physical properties and effective exploration methods in Yangtizishan-Moshishan titanium deposit	YAN JiaYong , LIU GuangHai , WANG JunHeng and PAN ZhuPing	494
Geochemical characteristics of Nianzigou rutile deposit in Daixian County , Shanxi Province	XU ShaoKang , DENG XiaoLin , LIU LiSheng and YUN LianTao	502
Genetic types , distribution , and main geological characteristics of rutile deposits	ZHAO YiMing	520
Mineralogical features of rutiles of different modes of occurrence and genetic types and their research significance	CAI JianHui , WANG LiBen and LI JinPing	531

Vol. 27 No. 5

Sr ,Nd and Pb isotopic geochemistry of fluorite from Obotu fluorite deposit , Inner Mongolia	XU DongQing , NIE FengJun , LIU Yan , ZHANG WanYi , YUN Fei , ZHANG TianJun , LIN RiLiang and LÜ XuGuang	543
Geological characteristics and prospecting orientation of Weiwan silver-polymetallic deposit , Xinjiang	FENG Jing , GAO YongBao , WANG Lei , LI WenYuan , ZHANG ZhaoWei and TAN WenJuan	559
Characteristics of fluid inclusions in Xujiashan antimony deposit of Hubei Province and its implications	... SHEN NengPing , PENG JianTang , YUAN ShunDa , ZHANG DongLiang , HU RuiZhong and WANG GuoQiang	570
REE geochemistry of fluorite from Yixian fluorite deposit and its geological implications	SUN Xiang , YANG ZiRong , LIU JingDang , WANG YongChun , WANG WenWu and XU DaDi	579
Geological characteristics and genesis of Baoxingchang gold ore district in Yunnan Province	LI HanGuang , GUO XiaoDong , WANG ShaoMing , PI QingMing and HE ZhengZhong	587
Late Paleozoic tectonic evolution and polymetallic ore-forming processes in southern Altay and northern Junggar	ZHANG HaiXiang , NIU HeCai , SHEN XiaoMing , MA Lin and YU XueYuan	596

Geochemistry of ore-forming fluids and genesis of Guanshan Cu-Pb-Au polymetallic deposit in Jiangsu Province	LIANG YeHeng , SUN XiaoMing , ZHAI Wei , MA Chun , WU ZhiQiang , DING CunGen , WANG TangXi , LI AiJu and LIANG JinLong	605
Geochemical REE study of two kinds of ores in Jinchuan copper-nickel sulfide deposit	ZHAO ZhenHua and QIAN HanDong	613
Characteristics and ore resource prospects of Ordovician manganese metallogenic belt in Central Hunan Province	PENG SanGuo , FU QunHe and ZHANG DianChun	622
Geological characteristics and metallogenic regularity of underground brine ore in coastal areas of Weifang , Shandong Province ...	WANG SongTao , GAO MeiXia and FU JunHe	631
Design and application of prognostic system to potential polymetallic nodule deposits based on GIS	TIAN ChiYing , LI DePing , ZHOU HuaiYang , ZHOU Ning , YANG QunHui , DU DeWen and CHENG YongShou	638
Application of weights of evidence method to quantitative prognosis and evaluation of mineral resources in Zhangjiakou area , Hebei Province	LI SuiMin , YAO ShuZhen , HAN YuChou , HAO HuaJin and CHEN ShuQing	647

Vol. 27 No. 6

Ore-forming fluids and metallogenesis of Mengku iron deposit in Altay , Xinjiang	YANG FuQuan , MAO JingWen , CHAI FengMei , LIU Feng , ZHOU Gang , GENG XinXia , LIU GuoRen and XU LinGang	659
A preliminary discussion on metallogenic model for Shilu-type iron oxide-copper-gold-cobalt ore deposit	XU DeRu , WANG Li , XIAO Yong , LIU ZhaoLu , FU QiJi , CAI ZhouRong and HUANG JuRui	681
Characteristics of ore minerals and modes of occurrence of silver in Guanfang copper deposit , Yunnan Province	LIU DeLi , LIU JiShun , ZHANG CaiHua , HAN HaiTao and ZHOU YuGuo	695
Sedimentary characteristics and origin of polyhalite in Lop Nur Salt Lake , Xinjiang	LIU ChengLin , WANG MiLi , JIAO PengCheng , FAN WeiDong , CHEN YongZhi , YANG ZhiChen and WANG JingGuo	705
Fluid-rock interaction in ore-forming process of Qianhe structure-controlled alteration-type gold deposit in western Henan Province	CAO Ye , LI ShengRong , SHEN JunFeng , YAO MeiJuan , Li QingKang and MAO FuLong	714
Ore-controlling factors and metallogenesis of borate deposits in eastern Liaoning and southern Jilin	WANG CuiZhi , XIAO RongGe and LIU JingDang	727
Geochemical characteristics and ore-forming processes of Ni-Mo polymetallic deposits in Lower Cambrian black shale Zunyi , Guizhou Province	ZHOU Jie , HU Kai , BIAN LiZeng , YAO SuPing , CAO Jian and SONG ShiMing	742
Skarnization of Qianhe structural alteration type gold deposit in Henan Province and its ore-prospecting significance	WANG ZaiCong , LI ShengRong and SHEN JunFeng	751
Indosinian movement and metallogenesis in Qinling orogenic belt	LU XinXiang , LI MingLi , WANG Wei , YU ZaiPing and SHI YongZhi	762
High precision Cu / Zn isotope measurements by multi-collector ICP-MS	HOU KeJun , LI YanHe , TIAN YouRong , QIN Yan and XIE GuiQing	774
The grade and tonnage model for China 's iron deposits	YIN JiangNing , XIAO KeYan , ZOU Wei , DING JianHua and LOU DeBo	782