



地质与勘探

2

郭深若题

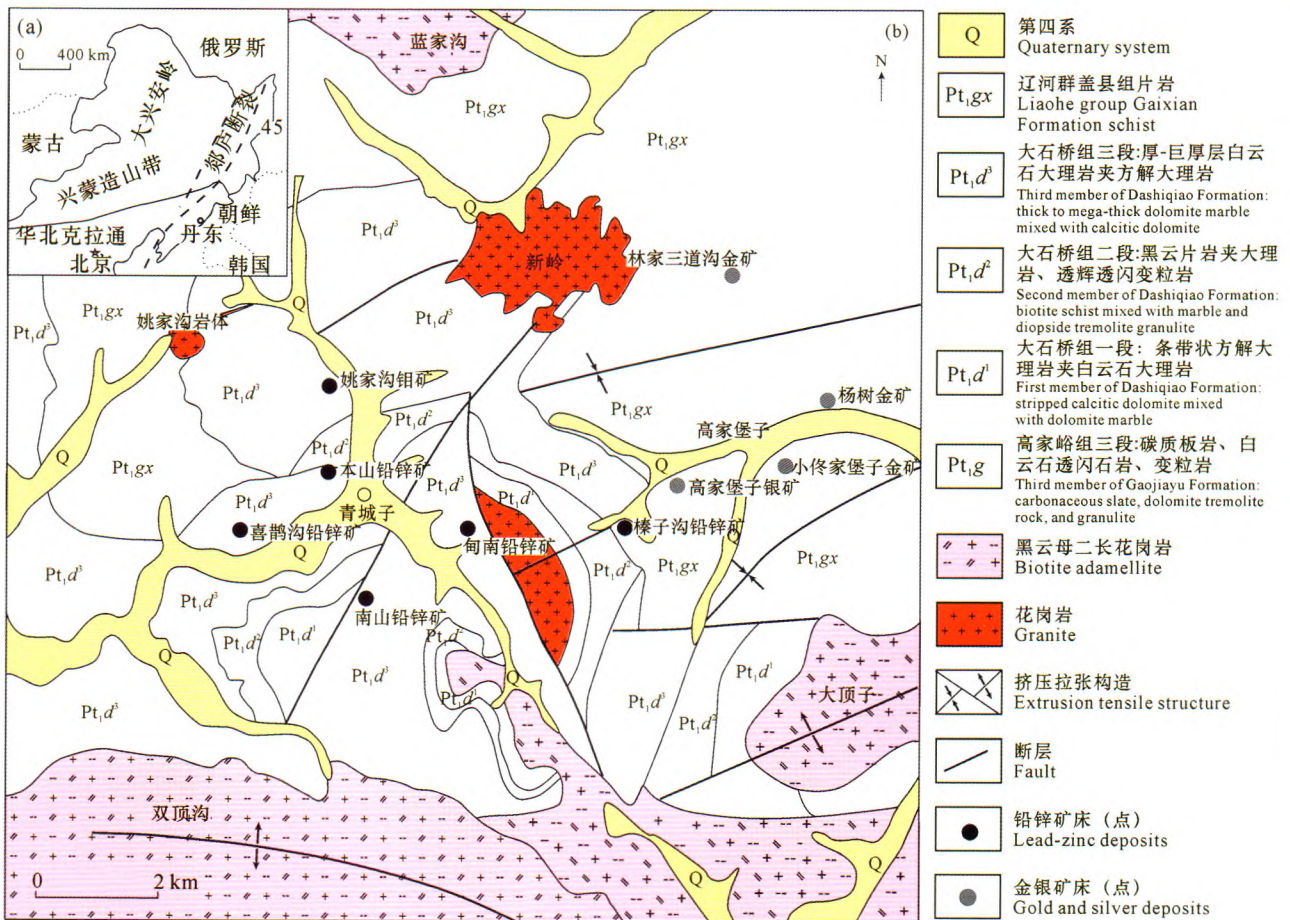
2017

GEOLOGY AND EXPLORATION

第53卷 总第470期

Since 1957

Vol.53 No.2 Sum470



■ 辽宁青城子铅锌矿成矿流体特征和成矿物质来源示踪

Characteristics of Mineralization Fluids and Tracers of Mineralization Material Sources of the Qingchengzi Lead-Zinc Deposit in Liaoning Province

■ 西藏拿若隐爆角砾岩中岩浆岩成因: 来自锆石Hf同位素证据

Genesis of Magmatic Rocks of Cryptoexplosive Breccia in the Naruo Deposit of Tibet: Evidence from Zircon Hf Isotope



中国冶金地质总局矿产资源研究院
中国地质学会

主办

GEOLOGY AND EXPLORATION

Vol. 53, No. 2 March, 2017

Contents

METAL ORE DEPOSITS

Genesis of Magmatic Rocks of Cryptoexplosive Breccia in the Naruo Deposit of Tibet: Evidence from Zircon Hf Isotope Gao Ke, Tang Ju-xing, Song Yang, Liu Zhi-bo, Fang Xiang, Yang Huan-huan, Wang Qin, Lin Bin, Wang Yi-yun(207)

Characteristics of Fluid Inclusions and Metallogenesis of the Meizichong Pb – Zn – W Polymetallic Deposit in Guangdong Province ... Tang Yi-ang, Lai Jian-qing, Yang Mu, Mei Jia-jing, Wu Jian, Chen Hou-cheng, Guo Lan-xuan(217)

Characteristics of Sulfur and Lead Isotopes in a Pre – Sinian Lead – Zinc Deposit in Central Yunnan and Their Implications for Origin of Ore – Forming Material Chen Xin-bin, Gao Jian-guo, Liu Yan, Wang Wen-yuan, Nong Yang-xia(227)

Sedimentary Environments and Mineral Element Concentration Features of Iron – Aluminum – Bearing Rock Series in the Leping Series of Permian of the Weining – Hezhang Area, Guizhou Chen Guo-yong, Fan Yu-mei, Meng Chang-zhong, Zhang Hai, Li Zai-yong(237)

A Model of Geochemical Anomaly Structure and Metallogenic Prediction in the Zhengguang Gold Deposit, Heilongjiang Province Gong Jing-jing, Zhao Hai-xuan, Tang Shi-xin, Ma Sheng-ming(247)

Characteristics of Mineralization Fluids and Tracers of Mineralization Material Sources of the Qingchengzi Lead – Zinc Deposit in Liaoning Province Song Yun-hong, Yang Feng-chao, Yan Guo-lei, Wei Ming-hui, Shi Shao-shan(259)

Geochemical Characteristics and Zircon U – Pb Ages of the Magmatite in the Qiongdokuke Ag – Pb – Zn Polymetallic Deposit of Xinjiang Zhang Rui, Mao Qi-gui, Yu Ming-jie, Fang Tong-hui, Cheng Fen-wei(270)

GEOCHEMISTRY

Rock Genesis and Dynamic Background of the Relin Monzogranite in the Geza Arc Belt, Yunnan: Constrains from Petrogeochemistry, Chronology, and Hf Isotope Yang Fu-cheng, Li Wen-chang, Liu Xue-long, Yan Ting-long, Wang Shuai-Shuai, Luo Yun(283)

Geochemical Characteristics and Tectonic Significance of Lamprophyre in the Gudui Area of Tibet Yuan He, Luo Xian-rong, Li Wu-yi, Chen Wu(300)

GEOPHYSICS

Quantitative Interpretation of Self – Potential Anomalies Produced by Some Bodies with Simple Geometry Ou Yuan-wei, Zhang Zhi-yong, Li Man, Yang Lei, Ma Xin(310)

REMOTE SENSING GEOLOGY

Research of Geological Structure in Carbonate Rock Areas Based on Satellite Imagery: An Example of the Dabewang Region, Xuzhou, Jiangsu Province

..... Wang Jia-chen, Li Ming, Wang Xue-hai, Wu Wan-duo, Zhang Tie-ying, Hou Pei-feng(318)

An Image Enhancement and Lithology Identification Method Based on Landsat8 OLI Data

..... Zhang Cui-fen, Hao Li-na, Wang Yuan-jian, Zhang Zhi(325)

HYDROLOGY, ENGINEERING AND ENVIRONMENT

Technologies Used at the Well CSDP - 02 of the Scientific Drilling on the Continental Shelf in the Southern Yellow Sea

Dong Hai-yan, Shan Wen-jun, Song Shi-jie, Jiang Rui, Li Yan-ning(334)

Characteristics of the Distribution of Carbonate Rocks and Their Control on Karst Groundwater in Guizhou

..... Wang Zhong-mei(342)

New Supporting Technologies for Foundation Pit Engineering and Their Applications

Qin Peng-fei(350)

On Deployment of High - Temperature Deep Geothermal Wells in Typical Areas with Hot Dry Rock Potential in China

Yang Li-zhong, Sun Zhan-xue, Liu Jin-hui, Wang An-dong, Wan Jian-jun(355)

PETROLEUM RESOURCES

Sedimentary Characteristics and Evolution Models of the Sinian Rift Platform in the Low - Uplift, Eastern Tarim Basin

He Jin-you, Li Hong-hui, Luo Ping, Wang Xian-dong(361)

Diagenesis and Porosity Evolution in the Chang 8₁ Reservoirs of the Triassic Yanchang Formation in the Xunyi Area, Ordos Basin

Liu Jiang-bin, Ren Zhan-li, Li Wen-hou, Hu Gui-lin(371)

Tight Reservoir Evaluation of the Chang 8 Oil Group in the Zhenjing Area, Southwestern Ordos Basin

..... Lin Wei-bing, Chen Lin, Lu Yong-chao, Hu Hai-yan, Liu Lu(381)

NEW TECHNOLOGY AND METHOD

Three - Dimensional Modeling of Orebody Morphology in the Anba Section of the Yangshan Gold Deposit Based on 3D Mine

Zhou Jie, Wang Gen-hou, Cui Yu-liang, Zhang Li (390)

EXPLORATION ABROAD

Application of the Dual Frequency Induced Polarization Method to Prospecting Hidden Orebodies in the Charity Well Gold Deposit of Australia

Li Xi, Gao Hang-xiao, Yang Xu, Zhu Lei(398)

Geological Characteristics and Metallogenic Rules of Gold Deposits in the Mara - Musoma Greenstone Belt of Tanzania

Wang Jian-guang, Peng Jun, Yuan Yang-sen, Si Jian-tao, Liang Yong-an, Yang Yang(406)

地质与勘探

2017年03月 第53卷 第2期

目录

金属矿产

- 西藏拿若隐爆角砾岩中岩浆岩成因:来自锆石 Hf 同位素证据
..... 高 轲,唐菊兴,宋 扬,刘治博,方 向,杨欢欢,王 勤,林 彬,王艺云(207)
- 广东梅子冲铅锌钨多金属矿床流体包裹体特征及成矿作用
..... 唐一昂,赖健清,杨 牧,梅嘉靖,吴 剑,谌后成,郭兰莹(217)
- 滇中前震旦纪地层内铅锌矿床硫、铅同位素特征及对成矿物质来源指示 陈欣彬,高建国,刘 岩,王文元,侂阳霞(227)
- 贵州威宁-赫章二叠系乐平统含铁、铝岩系的沉积环境及成矿元素富集特征
..... 陈国勇,范玉梅,孟昌忠,张 海,李再勇(237)
- 黑龙江黑河争光金矿异常结构模式研究 龔晶晶,赵海旋,唐世新,马生明(247)
- 辽宁青城子铅锌矿成矿流体特征和成矿物质来源示踪 宋运红,杨凤超,闫国磊,魏明辉,石绍山(259)
- 新疆琼库都克 Ag-Pb-Zn 多金属矿区岩浆岩地球化学特征及锆石 U-Pb 年龄研究
..... 张 锐,毛启贵,于明杰,方同辉,程奋维(270)

地球化学

- 格咱岛弧带热林二长花岗岩的岩石成因及动力学背景:岩石地球化学、年代学及 Hf 同位素约束
..... 杨富成,李文昌,刘学龙,彦廷龙,王帅帅,罗 云(283)
- 西藏古堆地区煌斑岩地球化学特征及其构造意义 袁 和,罗先熔,李武毅,陈 武(300)

地球物理

- 对部分简单形体产生的自然电位进行定量分析 欧源圩,张志勇,李 曼,杨 磊,马 鑫(310)

遥感地质

- 基于卫星影像解析的碳酸盐岩地区地质构造研究——以江苏徐州大北望地区为例
..... 王家琛,李 明,王学海,吴万锋,张铁英,侯培锋(318)
- Landsat8 OLI 图像增强与岩性识别方法 张翠芬,郝利娜,王元俭,张 志(325)

水文·工程·环境

- 南黄海大陆架科学钻探 CSDP-02 井钻探施工技术 董海燕,单文军,宋世杰,蒋 睿,李艳宁(334)
- 贵州碳酸盐岩的分布特征及其对岩溶地下水的控制 王中美(342)
- 基坑工程支护新技术及应用研究 秦鹏飞(350)
- 中国典型干热岩潜力区的地热深井部署 杨立中,孙占学,刘金辉,王安东,万建军(355)

油气资源

- 塔东低凸起震旦系断陷台地沉积特征及发育模式 何金有,李洪辉,罗 平,王显东(361)
- 旬邑地区三叠系延长组长 8₁ 储层成岩作用与孔隙演化 刘江斌,任战利,李文厚,胡桂林(371)
- 鄂尔多斯盆地西南部镇泾地区长 8 油层组致密储层评价 林卫兵,陈 林,陆永潮,胡海燕,刘 璐(381)

新技术·新方法

- 基于 3DMine 的阳山金矿安坝矿段三维建模研究及矿体形态分析
..... 周 洁,王根厚,崔玉良,张 莉(390)

境外矿产

- 双频激电法在澳大利亚 Charity Well 金矿寻找隐伏矿体的应用 李 希,高航校,杨 旭,朱 磊(398)
- 坦桑尼亚马拉-穆索马绿岩带金矿地质特征及成矿规律浅析
..... 王建光,彭 俊,袁扬森,司建涛,梁永安,杨 洋(406)

《地质与勘探》第五届编委会

The Fifth Editorial Committee of GEOLOGY AND EXPLORATION

特邀编委 (按字母表顺序) Members of Specially Invited Editorial Committee (in alphabetical order):

陈毓川 CHEN Yuchuan	何继善 HE Jishan	刘光鼎 LIU Guangding	刘广志 LIU Guangzhi
莫宣学 MO Xuanxue	孙 枢 SUN Shu	王德滋 WANG Dezi	阎凤增 YAN Fengzeng
叶天竺 YE Tianzhu	殷鸿福 YIN Hongfu	翟裕生 ZHAI Yusheng	张洪涛 ZHANG Hongtao
赵鹏大 ZHAO Pengda			

主 任 Director of Editorial Committee:

闫学义 YAN Xueyi

副主任 Deputy Directors of Editorial Committee:

朱立新 ZHU Lixin	郝梓国 HAO Ziguo	琚宜太 JU Yitai	骆华宝 LUO Huabao
---------------	---------------	--------------	----------------

编 委 (按字母表顺序) Members of Editorial Committee (in alphabetical order):

A.M.Nikishen (Russia)	白万成 BAI Wancheng	CHANG Zhaoshan (Australia)	陈 汉 CHEN Han
陈建文 CHEN Jianwen	陈仁义 CHEN Renyi	邓 军 DENG Jun	高山 GAO Shan
高献计 GAO Xianji	巩恩普 GONG Enpu	郝梓国 HAO Ziguo	侯增谦 HOU Zengqian
胡瑞忠 HU Ruizhong	华宣奎 HUA Xuankui	琚宜太 JU Yitai	李 波 LI Bo
李广雪 LI Guangxue	李建伦 LI Jianlun	李继亮 LI Jiliang	刘建明 LIU Jianming
骆华宝 LUO Huabao	马延明 MA Yanming	毛景文 MAO Jingwen	NIU Yaoling (UK)
欧阳志鸿 OUYANG Zhihong	彭齐鸣 PENG Qiming	秦克章 QIN Kezhang	邱小平 QIU Xiaoping
孙 峰 SUN Feng	孙丰月 SUN Fengyue	V.I.Starostin (Russia)	V.V.Avtonin (Russia)
王安建 WANG Anjian	王京彬 WANG Jingbin	王炯辉 WANG Jionghui	王 驹 WANG Ju
王汝成 WANG Rucheng	王瑞江 WANG Ruijiang	王小烈 WANG Xiaolie	王训练 WANG Xunlian
王 研 WANG Yan	韦星林 WEI Xinglin	吴淦国 WU Ganguo	武 胜 WU Sheng
谢连平 XIE Lianping	徐水师 XU Shuishi	徐占海 XU Zhanhai	薛迎喜 XUE Yingxi
闫学义 YAN Xueyi	杨茂华 YANG Maohua	杨志刚 YANG Zhigang	伊丕厚 YI Pihou
袁从建 YUAN Congjian	曾普胜 ZENG Pusheng	张成江 ZHANG Chengjiang	张金带 ZHANG Jindai
张立飞 ZHANG Lifei	ZHOU Meifu (Hong Kong)	朱谷昌 ZHU Guchang	朱立新 ZHU Lixin

主 管 中国钢铁工业协会

主 办 中国冶金地质总局矿产资源研究院
中国地质学会

编辑出版 《地质与勘探》编辑部

办公地址 北京市顺义区机场东路2号国家地理
信息科技产业园2A组团3号楼 101300

通讯地址 北京市朝阳区首都机场航食路2号
100621-2 邮箱 100621

电 话 010-53296110 53296111

传 真 010-53296000

电子信箱 dzykt@vip.sina.com

网 址 www.dzykt.com

主 编 卢 进

执行主编 孙 赫

副主编 王 梅

编 辑 郝情情 陈伟军 衣骏杰 吴 磊

英文审译 高祥林

印 刷 北京印匠彩色印刷有限公司

国内发行 北京市报刊发行局

国外发行 中国出版对外贸易公司(北京782信箱)

订 阅 全国各地邮局(邮发代号: 82-504)

发行范围 国内外公开发刊

Managed by

Sponsored by

Edited and Published by

Postal Address

Tel

Fax

Email

Http

Editor in Chief

Executive Editor in Chief

Associate Editor in Chief

Editors

English Consultant

Printed by

Distributed by

Distributed Abroad by

Subscription Handled by

China Iron and Steel Association

Institute of Mineral Resources Research, CMGB

Geological Society of China

GEOLOGY AND EXPLORATION Editorial Board

Building 3, Group 2A, National Geomatics Industrial Park,

No. 2 Airport East Road, Shunyi District, Beijing

Mailbox 100621-2, No. 2 Hangshi Road, Capital Airport,

Chaoyang District, Beijing 100621

010-53296110 53296111

010-53296000

dzykt@vip.sina.com

www.dzykt.com

Lu Jin

Sun He

Wang Mei

Hao Qingqing Chen Weijun Yi Junjie Wu Lei

Gao Xianglin

Beijing Yinjiang Color Printing Co., Ltd

Beijing Bureau for Distribution of Newspapers and Journals

China National Publishing Industry Trading Corporation

(P.O.Box 782, Beijing, China)

Local Post offices in China(82-504)

国内刊号: CN 11-2043/P 国际刊号: ISSN 0495-5331



ISSN 0495-5331



9 770495 533000

定价: 45.00元