

# 目 次

地质力学学报  
2024 年 2 月 第 30 卷  
第 1 期  
(双月刊)

主 编  
邓 军

执行主编  
王宗秀 张拴宏

副主编  
陈正乐 韩润生 胡健民  
李 滨 李英杰 林 伟  
孙知明 谭成轩 谭静强  
吴中海 张会平 张 进  
张绪教 张永双

编辑部主任  
吴 芳

特邀主编  
陈正乐

责任编辑  
王 婧

英文编辑  
王 婧

期刊基本参数  
CN11-3672/P\*1995\*

q\*16\*180\*zh

\*P\* ¥ 65.00\*500\*10\*2024-02

投稿网址  
<https://journal.geomech.ac.cn>

E-mail  
dzlx@vip.163.com

## 特邀主编致辞

矿田构造与深部找矿预测 ..... 陈正乐 (1)

## 矿田构造理论

- 广义破裂活动准则 ..... 童亨茂, 张宏祥, 侯泉林, 陈正乐, 侯贵廷 (3)  
液压成因含矿构造主要特征——以华南热液钨矿和铀矿为例 ..... 陈柏林 (15)  
花岗岩侵位后的热应力时空演化及其影响因素 ..... 赵裕达, 张文高, 刘昊, 刘向冲 (38)

## 矿田构造解析与找矿技术方法

- 黔西南卡林型金矿隐伏矿找矿中弱信息提取方法研究 ..... 谭礼金, 刘建中, 谭亲平, 李松涛,  
宋威方, 李俊海, 王泽鹏, 徐良易, 张兵强, 刘平, 蒙明华 (57)  
新疆西昆仑 509 道班西锂矿伟晶岩石英变形特征、温度及其对伟晶岩就位的约束 ..... 霍海龙, 陈正乐, 张青, 王永,  
马华东, 王威, 张文高, 李永, 韩凤彬, 杜晓飞, 闵壮, 孟祥鹏 (72)  
矿田构造岩相学填图理论及应用 ..... 方维萱, 郭玉乾, 李天成, 贾润幸, 马振飞 (88)

## 矿床地球化学与成矿作用特征

- 青藏高原盐湖硼、锂同位素变化规律及其对当雄错盐湖资源评价应用 ..... 呂苑苑 (107)  
熊耳山矿集区蒿坪沟 Ag-Au 多金属矿床绿泥石特征及其找矿意义 ..... 刘松岩, 张达, 杨明建, 张鑫明,  
未国栋, 聂胜强, 王轩, 冯彦平, 栗文杰, 陈贵兰 (129)  
陕西小秦岭地区碳酸岩时空分布、地球化学特征及其与铀稀土成矿作用的关系 ..... 康清清, 陈正乐, 潘家永, 李鹏,  
刘玉龙, 李雷, 江宏君, 高成 (147)  
从岩浆动力成因构造研究矿床——以福建福安赤路钼矿为例 ..... 周济元, 陈世忠, 肖凡 (168)

# CONTENTS

JOURNAL OF  
GEOMECHANICS  
February 2024  
Vol. 30 No. 1

(Bimonthly)

## Editor-in-Chief

DENG Jun

## Executive

### Editors-in-Chief

WANG Zongxiu

ZHANG Shuanhong

### Associate Editors-in-Chief

CHEN Zhengle

HAN Runsheng

HU Jianmin

LI Bin

LI Yingjie

LIN Wei

SUN Zhiming

TAN Chengxuan

TAN Jingqiang

WU Zhonghai

ZHANG Huiping

ZHANG Jin

ZHANG Xujiao

ZHANG Yongshuang

## Director of the Office

WU Fang

## Guest Chief Editor

CHEN Zhengle

## Executive Editor

WANG Jing

## English Editor

WANG Jing

## Ore Field Structural Theory

### Generalized fracturing activation criteria

..... TONG Hengmao, ZHANG Hongxiang, HOU Quanlin,  
CHEN Zhingle, HOU Guiting (3)

Characteristics of hydraulic ore-bearing structure: A case study of hydrothermal tungsten and uranium deposits in South China ..... CHEN Bailin (15)

The spatial and temporal evolution of thermal stress after granite emplacement and its influencing factors ..... ZHAO Yuda, ZHANG Wengao, LIU Hao,  
LIU Xiangchong (38)

## Ore Field Structural Analysis and Exploration Techniques

Research on weak information extraction methods in the exploration of hidden Carlin-type gold deposits in southwestern Guizhou, China

..... TAN Lijin, LIU Jianzhong, TAN Qinping, LI Songtao,  
SONG Weifang, LI Junhai, WANG Zepeng, XU Liangyi,  
ZHANG Bingqiang, LIU Ping, MENG Minghua (57)

Quartz deformation characteristics, deformation temperature, and their constraints on pegmatites of the 509 Daobanxi lithium deposit in the West Kunlun area, Xinjiang ..... HUO Hailong, CHEN Zhingle, ZHANG Qing,  
WANG Yong, MA Huadong, WANG Wei, ZHANG Wengao,

..... LI Yong, HAN Fengbin, DU Xiaofei, MIN Zhuang, MENG Xiangpeng (72)  
Theoretical innovation and applications of ore-field tectonic lithofacies mapping

..... FANG Weixuan, GUO Yuqian, LI Tiancheng,  
JIA Runxing, MA Zhenfei (88)

## Mineral Deposit Geochemistry and Mineralization Characteristics

Variation patterns of boron and lithium isotopes in salt lakes on the Qinghai-Tibetan Plateau and their application in evaluating resources in the Damxung Co salt lake ..... LYU Yuanyuan (107)

Characteristics of chlorites from the Haopinggou Ag-Au polymetallic deposit in the Xiong'ershan ore concentration area and its exploration implications

..... LIU Songyan, ZHANG Da, YANG Mingjian,  
ZHANG Xinming, WEI Guodong, NIE Shengqiang,  
WANG Xuan, FENG Yanping, LI Wenjie, CHEN Guilan (129)

Spatial and temporal distribution, geochemical characteristics of carbonatites and their relationship with U-REE mineralization in the Xiaoqinling area, Shaanxi Province ..... KANG Qingqing, CHEN Zhingle, PAN Jiayong,  
LI Peng, LIU Yulong, LI Lei, JIANG Hongjun, GAO Cheng (147)