

ACTA PETROLOGICA SINICA

ISSN 1000-0569
CN 11-1922/P
CODEN YANXEU

岩石 学报

1

2024年1月 第40卷 第1期
Jan. 2024 Vol. 40

主办：中国矿物岩石地球化学学会
中国科学院地质与地球物理研究所

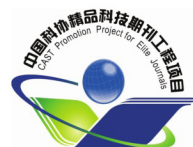


科学出版社



岩石学报

Yanshi Xuebao



2024 年 1 月 第 40 卷 第 1 期

目次

印支造山带: Song Chay 构造带	林伟 王印 刘飞 孟令通 吴钦颖 郭钊 李金雁 (1)
江西密坑山火山岩型铍矿的发现及其意义	李晓峰 韦星林 邓宣驰 朱艺婷 叶林春 卢国安 (29)
贵州半边街锗锌矿床锗的富集特征及其地质意义	程涌 周家喜 孙国涛 黄智龙 (43)
交代地幔源区与造山带铜镍成矿作用	薛胜超 刘金宇 周翊 辛雨 姚卓森 王庆飞 邓军 (60)
条带状铁建造的原始矿物组成: 进展与问题	王长乐 高亮 谢尚君 张新 彭自栋 董志国 白阳 张连昌 (79)
雅鲁藏布蛇绿岩中的变质底板: 快速俯冲起始与折返	段文勇 李旭平 (97)
海南岛抱板杂岩记录的多期构造热事件: 锆石和独居石 U-Pb 年代学的制约	陈龙耀 刘晓春 胡娟 夏蒙蒙 韩建恩 (119)
大别造山带宿松杂岩中石榴斜长角闪岩变质演化过程、原岩时限及其构造涵义	腊晓峰 石永红 王娟 周安泰 (140)
松辽盆地西缘泉泉地区晚侏罗世过铝质流纹岩和英云闪长玢岩的发现: 从蒙古-鄂霍茨克洋闭合到陆陆碰撞的地质记录	于太极 王璞珺 高有峰 张艳 陈崇阳 (159)
赣东北牛角坞钨多金属矿床地质、年代学和地球化学	李陈浩 赵正 刘善宝 陈振宇 王成辉 许建祥 邓迪 (178)
花岗伟晶岩型稀有金属矿床蚀变系统与矿物光谱-地球化学特征耦合性研究——以川西打枪沟矿区为例	蒋航 郭娜 张柯凡 罗海洋 (197)
湘西沃溪金锑钨矿床燕山期幕式成矿作用: 来自原位白钨矿 U-Pb 定年与黄铁矿元素-同位素的约束	李彬 许德如 柏道远 陈旭 邹少浩 代俊峰 马文 曾广乾 (215)
小红石砬子铅锌(银)矿床成因: 来自 S-Pb 同位素和元素特征的证据	王贵龙 王达 白峰 徐德兵 王高天 (241)
冀东高板河矿床硫同位素特征及其对高于庄组硫化物及锰矿石成矿机制的约束	高兆富 朱祥坤 (267)
川中地区震旦系“葡萄花边”白云岩的形成时代与成因	倪智勇 赵建新 俸月星 周玮 杨程宇 刘汇川 邵钢钢 罗冰 (282)
山西黎城地区长城系沉积时代及源区分析: 碎屑锆石 U-Pb 年代学和 Lu-Hf 同位素证据	胡漾 祝禧艳 张瑞英 赵太平 张成立 (295)
矿物微-纳尺度硫同位素分析及在东营凹陷油气成藏的应用示范	郝佳龙 张刘平 李照阳 杨蔚 林杨挺 (313)
石英和锆石 Ti 温度计在地学中的应用及其 Ti 含量的微区分析技术进展	牛俊龙 吴石头 杨岳衡 张超 王浩 龚庆杰 (323)

封面设计: 刘 滢 封面标本: 钠长石锂辉石伟晶岩(湘北黄柏山)
封面标本摄影: 沙俊生 封面标本提供: 李建康 李鹏

CONTENTS

Indosinian orogenic belt: Song Chay tectonic belt	
Lin W, Wang Y, Liu F, Meng LT, Wu QY, Guo Z and Li JY	(1)
The discovery and geological significance of the volcanic-hosted beryllium occurrences at Mikengshan district, Jiangxi Province, South China	
Li XF, Wei XL, Deng XC, Zhu YT, Ye LC and Lu GA	(29)
The enrichment characteristics of germanium and its geological significance in the Banbianjie Ge-Zn deposit, Guizhou	
Cheng Y, Zhou JX, Sun GT and Huang ZL	(43)
Genetic correlation of metasomatized mantle source with Ni-Cu mineralization in orogenic belt	
Xue SC, Liu JY, Zhou Y, Xin Y, Yao ZS, Wang QF and Deng J	(60)
Primary mineralogy of banded iron formation: Advances and issues	
Wang CL, Gao L, Xie SJ, Zhang X, Peng ZD, Dong ZG, Bai Y and Zhang LC	(79)
Metamorphic soles from the Yarlung-Tsangbo ophiolites: Rapid subduction initiation and exhumation	
Duan WY and Li XP	(97)
Polyphase tectonothermal events recorded in the Baoban complex from Hainan Island, South China: Constraint from zircon and monazite U-Pb geochronology	
Chen LY, Liu XC, Hu J, Xia MM and Han JE	(119)
Metamorphic evolution, protolith formation time and tectonic implications of garnet-plagioclase amphibolite in the Susong complex of the Dabie Orogenic Belt	
La XF, Shi YH, Wang J and Zhou AT	(140)
Discovery of the Late Jurassic peraluminous rhyolites and tonalite porphyrites in the Tuquan area along the western margin of the Songliao Basin: Geological records from closure of the Mongol-Okhotsk Ocean to continental collision between the Siberian plate and the Erguna-Songliao block	
Yu TJ, Wang PJ, Gao YF, Zhang Y and Chen CY	(159)
Geology, chronology and geochemistry of Niujiaowu tungsten polymetallic deposit in Northeast Jiangxi Province	
Li CH, Zhao Z, Liu SB, Chen ZY, Wang CH, Xu JX and Deng D	(178)
Coupled study of alteration system and spectral-geochemical characteristics of granite-pegmatitic type rare metal deposits, associated with Daqianggou mining area in western Sichuan Province	
Jiang H, Guo N, Zhang KF and Luo HY	(197)
Episodic mineralization at Yanshannian in the Woxi Au-Sb-W deposit, western Hunan, South China: Constraints from in-situ scheelite LA-ICP-MS U-Pb geochronology and element-isotope of pyrite	
Li B, Xu DR, Bai DY, Chen X, Zou SH, Dai JF, Ma W and Zeng GQ	(215)
The Genesis of the Xiaohongshilazi Pb-Zn (Ag) deposit: Evidence from S-Pb isotopes and elemental characteristics	
Wang GL, Wang D, Bai F, Xu DB and Wang GT	(241)
Sulfur isotopic characteristics of the Gaobanhe deposit in East Hebei Province and their constraints on the processes of sulfide and Mn mineralization from the Gaoyuzhuang Formation	
Gao ZF and Zhu XK	(267)
Age and origin of Sinian grape-lace shaped dolostone in central Sichuan Basin	
Ni ZY, Zhao JX, Feng YX, Zhou W, Yang CY, Liu HC, Shao GG and Luo B	(282)
Depositional age and source analysis of the Changcheng System in the Licheng area, Shanxi Province: Evidence from U-Pb geochronology and Lu-Hf isotope of detrital zircons	
Hu Y, Zhu XY, Zhang RY, Zhao TP and Zhang CL	(295)
Sulfur isotopic analysis of sedimentary pyrite at micro-nano scale and its implications to oil/gas generation in the Dongying Depression	
Hao JL, Zhang LP, Li ZY, Yang W and Lin YT	(313)
Application of Ti-in-quartz and Ti-in-zircon thermometers in geoscience and progress of microbeam analysis technology of Ti content	
Niu JL, Wu ST, Yang YH, Zhang C, Wang H and Gong QJ	(323)