

# 地质通报(月刊) DIZHI TONGBAO

2024年3月第43卷第2~3期(总第345~346期)

## 目次

### 矿产资源

- 中国锂资源安全评估与预警 ..... 郑明贵 刘丽珍 于明 林玉华(197)
- 新疆库车坳陷西段古近纪高溴岩盐与钾石盐成因联系  
..... 王凡 郑绵平 李晓亚 高朋强 邓小林 韦钊 王占文 梁恒(206)
- “十三五”期间中国探矿权及地质勘查投资时空演变  
..... 葛振华 陈从喜 梁伟 仇巍巍 张必欣 苏宁(222)
- 辽宁新房金矿床原生晕地球化学特征及对深部找矿的指示  
..... 杜宛鸽 吕志成 颜廷杰 姚晓峰 林成贵 马一行 王学强 严康(233)
- 桂西北箭猪坡铅-锌-铋多金属矿床成因:来自闪锌矿微量、稀土元素及氢氧同位素的证据  
..... 何光武 蔡明海 胡鹏飞 肖俊杰 甘能俭 朱敏杰 吕堂安(246)
- 南美锂三角地区锂资源特征及开发环境评价  
..... 朱意萍 姜瀚涛 徐梦洁 赵宇浩 马灿璇 谭桂丽 隰弯弯 姚春彦(258)
- 塞尔维亚蒂莫克铜金矿集区典型矿床地质特征  
..... 周小深 刘文元 单思齐 陈娟 张安顺 谢桂青 林新仁 饶东平 王虎 林健(270)

### 基础地质

- 华北克拉通东北缘改造:来自吉林辉南地区构造热事件的古地磁记录  
..... 金继浩 任收麦 王胜建 刘永江 侯啓东 刘一珉 王浩(289)
- 甘肃北山红石山地区扫子山组构造变形特征及其动力学背景  
..... 董增产 奚仁刚 王国强 卜涛 黄博涛 过磊(302)
- 辽东兰花岭地区古元古代 I 型花岗岩类与辽吉 A 型花岗岩对比研究  
..... 顾玉超 鞠楠 陈仁义 杨凤超 胥嘉 杨宏智(317)
- 青海门源 M6.9 级地震地表破裂特征及区域地震活动趋势分析 ..... 姚生海 盖海龙 殷翔 李鑫 刘炜(340)
- 四川仪陇—平昌地区长兴组—飞仙关组层序地层及沉积演化 ..... 廖鑫羽 肖云鹏 宋振宇(350)
- 扬子陆块北缘大洪山地区莲沱组底部凝灰岩锆石 U-Pb 定年及其地层学意义  
..... 宁括步 邓奇 崔晓庄 汪正江 任光明 杨青雄(363)
- 甘肃北山南部早古生代古亚洲洋俯冲作用:来自明舒井埃达克质侵入体锆石 U-Pb 年龄及地球化学的证据  
..... 王红杰 白建科 赵海波 程龙 朱黎宽 郭峰(376)

封面图片:甘肃北山地区燕山期褶皱变形遥感图

提供者:王红杰

[期刊基本参数] CN 11-4648/P \* 1982 \* m \* A4 \* 292 \* zh \* P \* ¥ 80.00 \* 23 \* 2024-03

本期责任编辑:李瑞玲 张艳秋 申亮 孟洁 技术编辑:黄彩霞

“皖南高原”的发现及其演化史初探——来自皖南及其邻区燕山期两期花岗岩的证据	王存智 朱清波 靳国栋 褚平利 刘凯(390)
四川新龙地区中酸性侵入岩年代学、地球化学及对甘孜-理塘洋演化过程的制约	严松涛 吴青松 代雪健 李虎 辛重阳 朱利东(401)
小兴安岭南段翠峦杂岩体成因及构造环境:来自地球化学及锆石 Hf 同位素的证据	杨元江 张立东 杨文鹏 李成禄 郭凤磊 赵寒冬 邓昌州 沈龙 申亮(416)
松科 2 井早白垩世沙河子组孢粉组合及其古气候意义	张德军 郑月娟 张淑芹 张健 黄欣 陈树旺 孙雷(429)
陕西甘泉发现中侏罗世恐龙足迹群	李兴文 李益朝 王卓胜 孙森 王宝鹏 王秦伟 唐玉 祝捷 吴昊 季燕南(443)
<b>水文地质·环境地质</b>	
近 30 年西北内陆荒漠资源大区土地利用驱动下生态系统碳储量时空变化	付宇佳 刘晓煌 孙兴丽 刘玖芬 郑艺文 张子凡 赖明 熊茂秋(451)
基于“源-汇”理论构建农林交错的县域景观生态修复格局——以鄂伦春旗为例	杜银龙 王永亮 李瑞嘉 李永春 陈国栋 邵苏日嘎拉 张栋 杜雨春子(463)
<b>地质信息</b>	
地质信息产品体系框架研究	张明超 郑啸 王成锡 张慧军 吴楚 李景朝(474)
<b>快 报</b>	
鲁西龙宝山稀土矿重稀土矿体的发现及其勘查意义	尚振 赵超 支成龙 安茂国 张海东 韩宗瑞 姜腾飞(484)
《地质通报》第 43 卷第 4 期要目预告	(483)

# GEOLOGICAL BULLETIN OF CHINA

Vol. 43, Nos.2~3, Mar., 2024 (Serial Nos.345~346)

## Contents

- Lithium resources safety assessment and early warning of China ..... ZHENG Minggui, LIU Lizhen, YU Ming, LIN Yuhua (197)
- Genetic relations between Paleogene high bromine rock salt and sylvite in west of Kuqa depression in Xinjiang  
..... WANG Fan, ZHENG Mianping, LI Xiaoya, SHANG Pengqiang, DENG Xiaolin,  
WEI Zhao, WANG Zhanwen, LIANG Heng (206)
- Temporal and spatial evolution of prospecting rights and geological exploration investment in China during the "13th Five-Year Plan"  
period ..... GE Zhenhua, CHEN Congxi, Liang Wei, QIU Weiwei, ZHANG Bixin, SU Yu (222)
- Geochemical characteristics of primary Halos and indication of deep prospecting in Xinfang gold deposit, Liaoning Province  
..... DU Wange, LYU Zhicheng, YAN Tingjie, YAO Xiaofeng, LIN Chenggui, MA Yixing, WANG Xueqiang, YAN Kang (233)
- The genesis of the Jianzhupo Pb-Zn-Sb polymetallic deposit in northwestern Guangxi: Evidence from the characteristics of trace  
elements, rare earth elements, and hydrogen and oxygen isotopes of sphalerite  
..... HE Guangwu, CAI Minghai, HU Pengfei, XIAO Junjie, GAN Nengjian, ZHU Minjie, LYU Tang'an (246)
- Characteristics of lithium resources and assessment on mining environment in "Lithium Triangle", South America  
..... ZHU Yiping, JIANG Hantao, XU Mengjie, ZHAO Yuhao, MA Canxuan, TAN Guili, XI Wanwan, YAO Chunyan (258)
- Ore geology of typical deposits in the Timok Cu-Au ore field, Serbia  
..... ZHOU Xiaoshen, LIU Wenyuan, SHAN Siqi, CHEN Juan, ZHANG Anshun,  
XIE Guiqing, LIN Xinren, RAO Dongping, WANG Hu, LIN Jian (270)
- Reconstruction of the northeastern margin of the North China Craton: paleomagnetic records from tectonic thermal events in Huinan of  
Jilin Province ..... JIN Jihao, REN Shoumai, WANG Shengjian, LIU Yongjiang, HOU Qidong, LIU Yimin, WANG Hao (289)
- Structural characteristics of the Saozishan Formation in the Hongshishan area of the Gansu Beishan and its dynamic background  
..... DONG Zengchan, XI Rengang, WANG Guoqiang, BU Tao, HUANG Botao, GUO Lei (302)
- Comparative study of the Lanhualing Paleoproterozoic I –type granitoids and the Liaoji A–type granitoids in eastern Liaoning  
..... GU Yuchao, JU Nan, CHEN Renyi, YANG Fengchao, XU Jia, YANG Hongzhi (317)
- Analysis on the characteristics of surface rupture and regional seismicity trend of Mengyuan M6.9 earthquake in Qinghai Province  
..... YAO Shenghai, GAI Hailong, YIN Xiang, LI Xin, LIU Wei (340)
- Sequence stratigraphy and sedimentary evolution of Changxing—Feixianguan Formations in Yilong—Pingchang area, Sichuan  
Province ..... LIAO Xinyu, XIAO Yunpeng, SONG Zhenyu (350)
- Zircon U-Pb age and stratigraphic significance of the tuff from the lowermost Liantuo Formation in the Dahongshan area of the  
northern Yangtze Block ..... NING Kuobu, DENG Qi, CUI Xiaozhuang, WANG Zhengjiang,  
REN Guangming, YANG Qingxiong (363)

- Early Paleozoic Paleo-Asian Ocean subduction in Southern Beishan, Gansu: Evidence of zircon U–Pb age and geochemical records from Mingshujing adakitic pluton ..... *WANG Hongjie, Bai Jianke, Zhao Haibo, Cheng Long, ZHU Likuan, GUO Feng* (376)
- Discussion on the evolution of the Southern Anhui Plateau: Evidence from the Yanshanian two-stage granite in the southern Anhui Province and its adjacent areas ..... *WANG Cunzhi, ZHU Qingbo, JIN Guodong, CHU Pingli, LIU Kai* (390)
- Geochronology and geochemistry of intermediate–acid intrusive rocks in Xinlong area, Sichuan Province and its constraints on the evolution of Ganzi–Litang Ocean ..... *YAN Songtao, WU Qingsong, DAI Xuejian, LI Hu, XIN Chongyang, ZHU Lidong* (401)
- Genesis and tectonic setting of Cuiluan Plutonic Complex in the south section of the Xiaoxing'an Mountains: Evidences of geochemical and zircon Hf isotope ..... *YANG Yuanjiang, ZHANG Lidong, YANG Wenpeng, LI Chenglu, GUO Fenglei, ZHAO Handong, DENG Changzhou, SHEN Long, SHEN Liang* (416)
- Early Cretaceous spore-pollen assemblages from the Shahezi Formation in Well SK-2 and their paleoclimate significance ..... *ZHANG Dejun, ZHENG Yuejuan, ZHANG Shuqin, ZHANG Jian, HUANG Xin, CHEN Shuwang, SUN Lei* (429)
- Discovery of dinosaur ichnoassemblage from the Middle Jurassic at Ganquan County, Shaanxi Province ..... *LI Xingwen, LI Yizhao, WANG Zhuosheng, SUN Miao, WANG Baopeng, WANG Qinwei, TANG Yu, ZHU Jie, WU Hao, JI Yannan* (443)
- Spatial-temporal variation of ecosystem carbon storage driven by land use in northwest inland desert resource region in recent 30 years ..... *FU Yujia, LIU Xiaohuang, SUN Xingli, LIU Jiufen, ZHENG Yiwen, ZHANG Zifan, LAI Ming, XIONG Maoqiu* (451)
- Constructing a county-level landscape ecological restoration pattern of agricultural and forestry interlacing based on the "Source-Sink" theory: A case study of Oroqen Banner ..... *DU Yinlong, WANG Yongliang, LI Ruijia, LI Yongchun, CHEN Guodong, TAI Surigala, ZHANG Dong, DU Yuchunzi* (463)
- Research on Framework of Geological Information Products System ..... *ZHANG Mingchao, ZHENG Xiao, WANG Chengxi, ZHANG Huijun, WU Chu, LI Jingchao* (474)
- Discovery of heavy rare earth ore body in the Luxi Longbaoshan rare earth deposit and its exploration significance ..... *SHANG Zhen, ZHAO Chao, ZHI Chenglong, AN Maoguo, ZHANG Haidong, HAN Zongrui, JIANG Tengfei* (484)