



中文核心期刊  
中国科技核心期刊

ISSN 1000-8527  
CODEN XIDZEV

# 现代地质

# GEOSCIENCE

第34卷

第4期

Vol. 34 No.4

2020



中国地质大学(北京) 主办

Sponsored by China University of Geosciences (Beijing)

# 现代地质

(2020年 第34卷 第4期)

## 目次

### 矿床学

- 内蒙古撰山子金矿床成岩成矿年代学与地球化学…………… 欧阳鑫, 顾雪祥, 章永梅, 刘丽, 刘涛, 王文东 (635)
- 桂北苗儿山岩体中段向阳坪铀矿床 F<sub>7</sub> 构造带三维地质模型的构建与应用……………  
…………… 刘子杰, 邹明亮, 孙远强, 李杰, 陈琪, 朱鹏飞, 张涛 (653)

### 地球化学

- 再生铅工业园周边土壤重金属分布特征及来源解析…………… 李朋飞, 刘超, 陶春军, 汪晶, 吴正 (663)
- 浙江慈溪粮食主产区富硒土壤评价方法对比研究…………… 王保欣, 韦继康, 余晓霞, 胡荣荣 (672)

### 遥感地质

- GF-5 高光谱数据在植被覆盖区的蚀变信息提取研究——以广东省玉水铜矿为例……………  
…………… 连琛芹, 姚佛军, 陈懋弘, 马克忠, 王海龙 (680)

### 构造地质学与地层学

- 洛南、山阳盆地沉积充填特征及其对东秦岭中—新生代陆内演化的约束…………… 余尚江, 李玮 (687)
- 墨西哥湾盆地东南部区域构造演化过程探讨……………  
…………… 王阔, 栾锡武, 冉伟民, 魏新元, 张豪, 石艳锋, MOHAMMAD Saiful Islam (700)
- 珠江口盆地东部恩平 12 洼古近系文昌组古地貌演化及其对沉积充填的控制……………  
…………… 罗泽, 闫正和, 谢明英, 梁杰, 吴静 (710)
- 南华北地区及其北部邻区上石炭统一—中二叠统高分辨率层序地层……………  
…………… 李杨, 阮壮, 李中明, 于炳松, 宋南南, 董果果, 张栋 (718)
- 柴达木盆地大红沟地区始新世—上新世孢粉记录及气候变化……………  
…………… 路晶芳, 张克信, 宋博文, 徐亚东, 张捷钰, 黄威, 张道来 (732)
- 广西龙江泥盆纪苔藓虫的发现及其地质意义……………  
…………… 李闯薇, 王成善, 李国彪, 徐星, 马文恩, 李兴鹏, 吕昶良, 吕贝贝, 张文苑, 韩丹丹 (745)

### 石油地质学

- 埕岛低凸起深水斜坡扇与滑塌扇砂体成因类型、沉积模式及分布规律……………  
…………… 谢宗奎, 王俊杰, 蒋晓澜, 杨彬, 张在振, 牛明超, 罗阳, 刘文芳 (757)
- 鄂尔多斯盆地地下三叠统刘家沟组与和尚沟组红层成色机制……………  
…………… 谭聪, 于炳松, 袁选俊, 刘策, 王铜山, 朱玺 (769)
- 鄂尔多斯盆地南缘长 10—长 8 段物源及源区构造背景研究……………  
…………… 李怡佳, 阮壮, 刘帅, 常秋红, 赖玮, 杨志辉 (784)
- 鄂尔多斯盆地平凉北地区 M53 井烃源岩地球化学特征与长 8 段油层油源……………  
…………… 赵彦德, 邓秀芹, 齐亚林, 邵晓洲, 杨斌, 鲁新川, 罗安湘, 谢先奎 (800)
- 金刚烷化合物在深层油气地球化学研究中的应用…………… 晏继发, 马安来, 李贤庆, 从刚石, 和钰凯, 张亚超 (812)
- 黄骅坳陷奥陶系古岩溶储层锶同位素地球化学特征…………… 张津宁, 周建生, 付立新, 李宏军, 楼达 (821)
- 湖北来凤 LD-1 井龙马溪组页岩孔隙结构特征分析…………… 黄宇琪, 张鹏, 张金川, 杨军伟 (828)
- 陆相页岩油富集高产关键因素分析…………… 李浩, 陆建林, 王保华, 宋振响, 李政 (837)
- 断陷盆地中浅层油气成藏特征及有利区预测: 以渤南洼陷沙二段为例…………… 刘鹏, 杜鹏伟 (849)

### 地热资源

- 渤海湾盆地新生代火山岩分布特征及其地热勘探潜力…………… 毛翔, 罗璐, 汪新伟, 国殿斌 (858)

责任编辑 孙义梅 戚开静 潘令枝 楼亚儿

英文审校 黎俊傑

封面摄影 张绪教 川西巴塘县海子山的姊妹湖——冰蚀作用在冰蚀谷形成的串珠状冰蚀湖

期刊基本参数 CN11-2035/P \* 1987 \* b \* A4 \* 230 \* zh \* P \* ¥50.00 \* 1000 \* 21 \* 2020-08

万方数据

**GEOSCIENCE**  
**( Vol. 34 No. 4 Aug. 2020 )**

---

**CONTENTS**

• **Ore Deposits** •

- Metallogenic Chronology and Geochemistry of the Zhuanshanzi Gold Deposit, Inner Mongolia  
..... OUYANG Xin, GU Xuexiang, ZHANG Yongmei, LIU Li, LIU Tao, WANG Wendong (635)
- The Construction and Application of 3D Geological Model of F<sub>7</sub> Structural Belt in Xiangyangping Uranium Deposit, Middle Segment of Miao'ershan  
Rock Mass, North of Guangxi ..... LIU Zijie, ZOU Mingliang, SUN Yuanqiang, LI Jie, CHEN Qi, ZHU Pengfei, ZHANG Tao (653)

• **Geochemistry** •

- Spatial Distribution and Source Analysis of Heavy Metal Pollution in Soils Around Recycled Lead Industrial Park  
..... LI Pengfei, LIU Chao, TAO Chunjun, WANG Jing, WU Zheng (663)
- Comparative Study of Different Evaluation Methods of Se-rich Soil in Main Grain Producing Area of Cixi, Zhejiang Province  
..... WANG Baoxin, WEI Jikang, YU Xiaoxia, HU Rongrong (672)

• **Remote Sensing Geology** •

- The Study on Alteration Information Extraction of GF-5 Hyperspectral Data in Vegetation Coverage Area; A Case Study of the Yushui Copper  
Deposit in Guangdong Province ..... LIAN Chenqin, YAO Fojun, CHEN Maohong, MA Kezhong, WANG Hailong (680)

• **Structural Geology and Stratigraphy** •

- Sedimentary Filling Characteristics of Luonan and Shanyang Basins and Constraints on Mesozoic-Cenozoic Intracontinental Evolution in  
East Qinling ..... YU Shangjiang, LI Wei (687)
- Tectonic Evolution of the Southeastern Gulf of Mexico Basin  
..... WANG Kuo, LUAN Xiwu, RAN Weimin, WEI Xinyuan, ZHANG Hao, SHI Yanfeng, MOHAMMAD Saiful Islam (700)
- Paleogeomorphologic Reconstruction, Evolution, and Sedimentary System Control on Wenchang Formation in Enping 12 Sub-sag, Eastern  
Pearl River Estuary Basin ..... LUO Ze, YAN Zhenghe, XIE Mingying, LIANG Jie, WU Jing (710)
- High-resolution Stratigraphy of Upper Carboniferous-Middle Permian in Southern North China and Its Northern Surroundings  
..... LI Yang, RUAN Zhuang, LI Zhongming, YU Bingsong, SONG Nannan, DONG Guoguo, ZHANG Dong (718)
- Paleogene-Neogene Pollen and Climate Change in Dahonggou Region of Qaidam Basin  
..... LU Jingfang, ZHANG Kexin, SONG Bowen, XU Yadong, ZHANG Jianyu, HUANG Wei, ZHANG Daolai (732)
- Discovery of Devonian Bryozoa in Longjiang, Guangxi and Its Geological Significance ..... LI Yuewei, WANG Chengshan,  
LI Guobiao, XU Xing, MA Wen'en, LI Xingpeng, LÜ Changliang, LÜ Beibei, ZHANG Wenyuan, HAN Dandan (745)

• **Petroleum Geology** •

- Genetic Types, Sedimentation Models and Distribution Regularities of Sandbodies of Subaqueous Fan and Slopping Subaqueous Fan in Chengdao  
Low-uplift Slope Area ..... XIE Zonghui, WANG Youjie,  
JIANG Xiaolan, YANG Bin, ZHANG Zaizhen, NIU Mingchao, LUO Yang, LIU Wenfang (757)
- Color Origin of the Lower Triassic Liujiagou and Heshangou Formations Red Beds in the Ordos Basin  
..... TAN Cong, YU Bingsong, YUAN Xuanjun, LIU Ce, WANG Tongshan, ZHU Xi (769)
- Provenance and Tectonic Setting of Chang 10-Chang 8 Member in the Southern Ordos Basin  
..... LI Yijia, RUAN Zhuang, LIU Shuai, CHANG Qihong, LAI Wei, YANG Zhihui (784)
- Geochemical Characteristics of Source Rocks of M53 Well and Chang-8 Member Oil-source in Pingliangbei Exploration Area, Ordos Basin  
..... ZHAO Yande, DENG Xiuqing, QI Yalin, SHAO Xiaozhou, YANG Bin, LU Xinchuan, LUO Anxian, XIE Xiankui (800)
- Application of Diamondoids in Geochemical Research of Deep Oil and Gas  
..... YAN Jifa, MA Anlai, LI Xianqing, CONG Gangshi, HE Yukai, ZHANG Yachao (812)
- Strontium Isotope Geochemistry of Ordovician Paleokarst Reservoirs in Huanghua Depression  
..... ZHANG Jinning, ZHOU Jiansheng, FU Lixin, LI Hongjun, LOU Da (821)
- Pore Structure Characteristics of Longmaxi Formation Shale of Well LD-1 in Laifeng, Hubei  
..... HUANG Yuqi, ZHANG Peng, ZHANG Jinchuan, YANG Junwei (828)
- Critical Controlling Factors of Enrichment and High-yield of Land Shale Oil  
..... LI Hao, LU Jianlin, WANG Baohua, SONG Zhenxiang, LI Zheng (837)
- Hydrocarbon Accumulation Characteristics and Prospectivity Prediction on Medium-Shallow Sequences in Rift Basins: Case Study on the  
2<sup>nd</sup> Member of Shahejie Formation in Bonan Sag ..... LIU Peng, DU Pengwei (849)

• **Geothermal Resources** •

- Distribution Characteristics of Cenozoic Volcanic Rocks and Its Geothermal Exploration Potential in Bohai Bay Basin  
..... MAO Xiang, LUO Lu, WANG Xinwei, GUO Dianbin (858)

---

**Editor in Chief** DENG Jun  
**Executive Editors** SUN Yimei QI Kaijing PAN Lingzhi LOU Yaer  
**Editor (English)** Chun Kit LAI