



地质学报

ISSN 0001-5717

ACTA GEOLOGICA SINICA

第94卷 第11期

Vol.94 No.11

2020



中国地质学会 主办
《地质学报》编辑委员会 编辑



科学出版社 出版

科学出版社

地 质 学 报

2020 年 第 94 卷 第 11 期

目 次

特邀论文

- 四川盆地南部地震区发震构造及其新构造背景 张岳桥 (3161)
- 鲜水河断裂带色拉哈—康定段新发现的活动断层:木格措南断裂
..... 潘家伟,李海兵,Marie-Luce CHEVALIER,白明坤,刘富财,刘栋梁,郑勇,卢海建,赵中宝 (3178)

研究论文

- 斑岩型 $\text{Cu}\pm\text{Mo}\pm\text{Au}$ 矿床的勘查标志:岩石化学和矿物化学指标
..... 冷成彪,陈喜连,张静静,马晓花,田丰,郭剑衡,张乐骏 (3189)
- 甘肃平凉上奥陶统牙形石和笔石生物地层
..... 樊茹,马雪莹,吕丹,卢远征,张学磊,张元动,邓胜徽,谭聪,宋昊南,张凤廉,李鑫,张师本,段文哲 (3213)
- 柴西地区上油砂山组咸化湖沼沉积与微生物岩
..... 王建功,张道伟,白亚东,孙秀建,李翔,王爱萍,张世铭,易定红,杨巍 (3228)
- 海南岛高精度航磁特征与居里等温面深度分析 高维,郭志宏,周坚鑫,孟庆奎,舒晴,王纯 (3249)
- 邯郸永年县洪山碱性岩体剥蚀程度分析 李随民,周正柱,李槌,李玉成,赵书梅,韩腾飞,孙志伟,方勇勇 (3263)
- 西藏琼琼地区钾长花岗岩年代学、地球化学及地质意义 高强,闫茂强,魏俊浩,曾成,刘颜,秦波,姜维 (3272)
- 新疆卡鲁安硬岩型锂矿床花岗岩与伟晶岩成因关系:锆石 U-Pb 定年、Hf-O 同位素和全岩地球化学证据
..... 刘涛,田世洪,王登红,张玉洁,李贤芳,侯可军,杰肯·卡里木汗,张忠利,王永强,赵悦,秦燕 (3293)
- 赣西北大湖塘钨矿富锂-云母化岩锂元素富集机制及其对锂等稀有金属找矿的启示 张勇,潘家永,马东升 (3321)
- 冀东地区太阳沟钼矿床成因探讨,来自年代学、地球化学及 S、Pb 同位素的证据
..... 徐国新,李玉静,孙金龙,和越,赵迪,刘晓波,王丹 (3343)
- 柴北缘双口山金-银-铅矿床赋矿围岩及含金石英脉热液锆石 U-Pb 定年对成矿时代的限定及其成因启示
..... 俞军真,郑有业,许荣科 (3361)
- 西藏班公湖-怒江成矿带商旭金矿成矿时代探讨及其地质意义 方向,宋扬,唐菊兴,王嘉星,李海峰 (3376)
- 胶东蓬莱大柳行金矿田燕山金矿床流体包裹体特征和氢-氧同位素研究 马顺溪,白宜娜,孙永联,舒记德 (3391)
- 雪米斯坦成矿带杨庄岩体中含铀矿物特征及其对铀成矿的指示
..... 李光来,陈光旭,刘晓东,李成祥,王果,刘小波,刘朕语,龙伟康 (3404)
- 山东省主要页岩气储层特征与资源潜力
..... 张春池,彭文泉,胡彩萍,李政,高兵艳,李志民,张文,王英鹏,高华丽,张贵丽,宋亮 (3421)
- 沥青成因及反映的油气成藏过程 王兆云,马超,龚德瑜,姜华 (3436)
- 中西非裂谷盆地白垩系两类优质烃源岩发育模式
..... 程顶胜,窦立荣,张光亚,刘邦,宋换新,刘计国,毛凤军,袁圣强,胡瑛 (3449)
- 大巴山北缘鲁家坪组变质作用及其对页岩气储层的影响 余川,汪生秀,汪威,曾春林,王巧丽,张华莲 (3461)
- 中、上扬子龙马溪组层序划分及对页岩储层发育的控制 熊绍云,王鹏万,黄羚,邹辰,贺训云,李昌,徐政语 (3471)
- 库车南斜坡中—新生界油气运移地球化学示踪 刘春,陈世加,赵继龙,苏洲,陈戈,刘学彦,高乔 (3488)
- 湖南寒婆坳矿区热变质煤结构演化及其矿物学特征响应 李焕同,王楠,朱志蓉,石媛,莫佳峰,张卫国,方世跃 (3503)

技术方法

- 高演化烃源岩岩石热解和总有机碳标准物质研制 杨佳佳,孙玮琳,徐学敏,秦婧,沈斌,张小涛,栗敏,汪双清 (3515)

封面照片说明:在鲜水河断裂带折多山地区新发现的全新世活动断层——木格措南断裂(无人机拍摄)(李海兵提供)

CONTENTS

Invited Articles

Seismogenic structures of the south Sichuan basin seismic zone and its neotectonic setting ZHANG Yueqiao(3177)
 A newly discovered active fault on the Selaha-Kangding segment along the SE Xianshuihe fault; the South Mugecuo fault
 PAN Jiawei, LI Haibing, Marie-Luce CHEVALIER, BAI Mingkun, LIU Fucui, (3188)
 LIU Dongliang, ZHENG Yong, LU Haijian, ZHAO Zhongbao

Research Articles

Lithogeochemical and mineral chemical footprints of porphyry Cu±Mo±Au deposits: a review
 LENG Chengbiao, CHEN Xilian, ZHANG Jingjing, MA Xiaohua, TIAN Feng, GUO Jianheng, ZHANG Lejun(3212)
 Upper Ordovician conodont and graptolite biostratigraphy of Pingliang, Gansu Province, China
 FAN Ru, MA Xueying, LÜ Dan, LU Yuanzheng, ZHANG Xuelei, ZHANG Yuandong, DENG Shenghui, (3227)
 TAN Cong, SONG Haonan, ZHANG Fenglian, LI Xin, ZHANG Shibei, DUAN Wenzhe
 Saline lacustrine palustrine sediments and microbialite in the upper Youshashan Formation in the western Qaidam basin
 WANG Jiangong, ZHANG Daowei, BAI Yadong, SUN Xiujian, LI Xiang, (3248)
 WANG Aiping, ZHANG Shiming, YI Dinghong, YANG Wei
 High precision aeromagnetic characteristics and Curie depth analysis of the Hainan Island
 GAO Wei, GUO Zhihong, ZHOU Jianxin, MENG Qingkui, SHU Qing, WANG Chun(3262)
 Analysis of denudation degree in the Hongshan alkaline rock mass, Yongnian County, Hebei Province
 LI Suimin, ZHOU Zhengzhu, LI Tong, LI Yucheng, ZHAO Shumei, HAN Tengfei, SUN Zhiwei, FANG Yongyong(3271)
 Geochronology, geochemistry and geological significance of the syenogranitic granites in the Qieqiong area, Tibet
 GAO Qiang, YAN Maoqiang, WEI Junhao, ZENG Cheng, LIU Yan, QIN Bo, JIANG Wei(3292)
 Genetic relationship between granite and pegmatite in Kalu'an hard-rock-type lithium deposit in Xinjiang: results from zircon U-Pb
 dating, Hf-O isotopes and whole-rock geochemistry
 LIU Tao, TIAN Shihong, WANG Denghong, ZHANG Yujie, LI Xianfang, HOU Kejun, (3319)
 JIEKEN • Kalimuhan, ZHANG Zhongli, WANG Yongqiang, ZHAO Yue, QIN Yan
 Lithium element enrichment and inspiration for prospecting for rare-metal mineralization in the Dahutang tungsten deposit:
 constraints from mineralogy and geochemistry of hydrothermal alteration ZHANG Yong, PAN Jiayong, MA Dongsheng(3342)
 Genesis of the Taiyanggou molybdenum deposit in the eastern Hebei Province: evidence from chronology, geochemistry and S, Pb
 isotopic compositions XU Guoxin, LI Yujing, SUN Jinlong, HE Yue, ZHAO Di, LIU Xiaobo, WANG Dan(3360)
 LA-ICP-MS zircon U-Pb age of the host rock and hydrothermal zircon in gold-bearing quartz vein of Shuangkoushan Au-Ag-Pb deposit,
 North Qaidam; limitation for the mineralization age and implication for the genesis of the deposit
 YU Junzhen, ZHENG Youye, XU Rongke(3375)
 Metallogenic epoch study on the Shangxu gold deposit, Bangong-Nujiang suture zone, Tibet and its geological implications
 FANG Xiang, SONG Yang, TANG Juxing, WANG Jiaying, LI Haifeng(3390)
 Fluid inclusions and stable isotopes study of Yanshan gold deposit in the Penglai area, eastern Shandong Province
 MA Shunxi, BAI Yina, SUN Yonglian, SHU Jide(3403)
 Characteristics of uranium-bearing minerals in Yangzhuang granite porphyry in the Xuemistan metallogenic belt and its significance for
 uranium metallogenesis LI Guanglai, CHEN Guangxu, LIU Xiaodong, LI Chengxiang, (3420)
 WANG Guo, LIU Xiaobo, LIU Zhengyu, LONG Weikang
 Characteristics and resource potential of main shale gas reservoirs in Shandong Province
 ZHANG Chunchi, PENG Wenquan, HU Caiping, LI Zheng, GAO Bingyan, LI Zhimin, (3435)
 ZHANG Wen, WANG Yingpeng, GAO Huali, ZHANG Guili, SONG Liang
 The origin of bitumen and its significance for hydrocarbon accumulation process
 WANG Zhaoyun, MA Chao, GONG Deyu, JIANG Hua(3448)
 Development pattern of two types of exceptional Cretaceous source rocks in the rift systems in West and Central Africa
 CHENG Dingsheng, DOU Lirong, ZHANG Guangya, LIU Bang, SONG Huanxin, (3460)
 LIU Jiguo, MAO Fengjun, YUAN Shengqiang, HU Ying
 The metamorphism of the Lujiaping Formation at the northern Daba Mountains and its influence on shale gas reservoirs
 YU Chuan, WANG Shengxiu, WANG Wei, ZENG Chunlin, WANG Qiaoli, ZHANG Hualian(3470)
 Sequence division of the Longmaxi Formation and their control on shale reservoir development in Middle-Upper Yangtze
 XIONG Shaoyun, WANG Pengwan, HUANG Ling, ZOU Chen, HE Xunyun, LI Chang, XU Zhenyu(3487)
 Geochemical tracer of hydrocarbon migration path of Middle-Cenozoic in the south slope of the Kuqa foreland basin
 LIU Chun, CHEN Shijia, ZHAO Jilong, SU Zhou, CHEN Ge, LIU Xueyan, GAO Qiao(3502)
 Structural evolution and mineralogical characteristics of magmatic metamorphic coals in the Hanpoao coal mining area, Hunan Province
 LI Huantong, WANG Nan, ZHU Zhirong, SHI Yuan, MO Jiafeng, ZHANG Weiguo, FANG Shiyue(3514)

Technical Method

Preparation of certified reference materials for rock-eval and total organic carbon of postmature source rock
 YANG Jiajia, SUN Weilin, XU Xuemin, QIN Jing, SHEN Bin, ZHANG Xiaotao, LI Min, WANG Shuangqing(3522)