

# 中国地质(双月刊)

(ZHONGGUO DIZHI)

2019年4月第46卷第2期(总第391期)

## 目次

### 特别关注

雅鲁藏布江色东普沟崩滑-碎屑流堵江灾害初步研究

..... 刘传正,吕杰堂,童立强,陈红旗,刘秋强,肖锐铧,涂杰楠(219)

云贵高原斜坡地带典型地下水富硫酸盐地区“越层找水”模式及其机理研究

..... 曹建文,夏日元,方尚武,赵良杰,王喆,王若凡,易瑞(235)

北京五环城区浅部沉积层的三维地质结构建模

..... 何静,何晗晗,郑桂森,刘予,周圆心,肖景泽,王纯君(244)

### 综述论文

中国沉积盆地型地热资源特征 ..... 张薇,王贵玲,刘峰,邢林啸,李曼(255)

珠江口盆地新生代沉降特征及其影响因素分析

..... 马明,漆家福,张远泽,苗全芸,陈玮常,张帅(269)

### 学术论文

太行山前平原浅层地下水污染的分子生物学响应特征——以滹沱河流域为例

..... 何泽,宁卓,黄冠星,刘丹丹,张千千,孙继朝(290)

桂西大型岩溶地下河系统离子来源及碳稳定同位素信息——以坡心地下河流域为例

..... 覃彤,汤庆佳,张强,杨平恒(302)

山东大汶河流域中上游古近系含水岩组水文地质特征

..... 周乐,刘元晴,李伟,朱庆俊,李凤哲,吕琳,邓启军,马雪梅,何锦(316)

穆兴平原北部地下水年龄及更新性 ..... 苏晨,程中双,郑昭贤,陈宗宇(328)

淮北煤田太原组灰岩水年龄及同位素地球化学特征 ..... 陈松,桂和荣(337)

北京西郊玉泉山地区岩溶水强径流路径地球物理分析

..... 李巧灵,雷晓东,杨勇,杨全合,李晨,关伟,孙杰夫(346)

青藏高原暖湿化对柴达木水资源与环境的影响 ..... 党学亚,常亮,卢娜(359)

基于地表水-地下水耦合模型的未来气候变化对西北干旱区水资源影响研究——以黑河中游为例

..... 吴斌,王赛,王文祥,安永会(369)

陕西山阳特大型滑坡视向滑移-溃屈破坏力学分析 ..... 王佳运,王根龙,石小亚(381)

---

[期刊基本参数]CN11-1167/P\*1953\*b\*A4\*228\*zh\*P\*¥ 50.00\*2000\*18\*2019-04

本期责任编辑:李亚萍 王学明 郭 慧 英文审校:张中民 技术编辑:王 巍 黄彩霞

徐州废黄河断裂带对岩溶塌陷的控制作用

..... 黄敬军,崔龙玉,武鑫,姜素,姜国庆,徐士银(389)

南羌塘坳陷扎仁地区中侏罗统布曲组晶粒白云岩成因分析

..... 田康志,季长军,伊海生,谭梅,金峰,范立顺(398)

湘西北地区五峰—龙马溪组页岩物质组成特征与页岩气潜力分析

..... 高莉,王宗秀,梁明亮,张林炎,李会军,李春麟,高万里(407)

锂同位素在伟晶岩矿床成因研究中的应用..... 李贤芳,张玉洁,田世洪(419)

## 发现与进展

长春莲花山发现铍富集区..... 孙岐发,田辉,郭晓东,于慧明(430)

宁蒗—盐源地区(云宁地1井)泥盆系获天然气重大发现

..... 张子亚,张聪,石砥石,覃英伦,陈榕,康海霞(432)

四川盆地海相页岩气藏TSR证据的发现..... 罗厚勇,刘文汇,王晓锋,张东东(434)

华北板块北缘解放营子地区发现~2.61Ga斜长角闪岩

..... 崔玉良,渠洪杰,陈英富,王森(436)

东秦岭造山带龟山岩组的解体及俯冲增生杂岩的厘定

..... 李承东,赵利刚,许雅雯,常青松,许腾,滕雪明(438)

山西吕梁山五寨沟寒武系发现大量微生物礁..... 杨战兵,苏德辰(440)

## 简讯与热点

砂岩型铀矿表生流体成矿作用国际地球科学计划(IGCP675)成功获批..... (442)

我国宜昌长阳地区发现新的寒武纪生物群宝库..... (443)

后工业化时代国外地质调查趋势简析..... (445)

中国地质调查局“岩溶地区水文地质环境地质调查工程”进展..... (封二)

《中国地质》编辑工作指导委员会、《中国地质(中文)》编辑委员会..... (封三)

《中国地质》(双月刊)栏目设置与稿约..... (I)

# GEOLOGY IN CHINA

(Bimonthly)

Apr. 2019 Vol. 46, No.2 (Serial No. 391)

## Contents

### In Fous

- Research on glacial/rock fall–landslide–debris flows in Sedongpu basin along Yarlung Zangbo River in Tibet  
..... *LIU Chuanzheng, LÜ Jietang, TONG Liqiang,  
CHEN Hongqi, LIU Qiuqiang, XIAO Ruihua, TU Jienan*(219)
- Model and mechanism of “water exploration by cross layer” for high sulfate area in slope region of Yunnan–  
Guizhou Plateau..... *CAO Jianwen, FANG Shangwu, ZHAO Liangjie,  
WANG Zhe, WANG Ruofan, YI Rui*(235)
- 3D geological modelling of superficial deposits in Beijing City..... *HE Jing, HE Hanhan,  
ZHENG Guisen, LIU Yu, ZHOU YuanXin, XIAO JingZe, WANG Chunjun*(244)

### Reviews

- Characteristics of geothermal resources in sedimentary basins  
..... *ZHANG Wei, WANG Guiling, LIU Feng, XING Linxiao, LI Man*(255)
- An analysis of subsidence characteristics and affecting factors in the Pearl River Mouth Basin in Cenozoic  
..... *MA Ming, QI Jiafu, ZHANG Yuanze, MIAO Quanyun,  
CHEN Weichang, ZHANG Shuai*(269)

### Research Articles

- The response characteristics of microbial diversity to shallow groundwater contamination in the piedmont of the  
Taihang Mountains using molecular biotechnologies: A case study of groundwater of Hutuo River Basin  
..... *HE Ze, NING Zhuo, HUANG Guanxing, LIU Dandan, ZHANG Qianqian, SUN Jichao*(290)
- Chemical ions source analysis and stable isotope implications of different water bodies in large karst underground  
river system: A case study of Poxin groundwater basin in Guangxi  
..... *QIN Tong, TANG Qingjia, ZHANG Qiang, YANG Pingheng*(302)
- Characteristics of the Paleogene water–bearing Formation in the middle and upper reaches of the Dawenhe River  
basin, Shandong Province ..... *ZHOU Le, LIU Yuanqing, LI Wei,  
ZHU Qingjun, LI Fengzhe, LÜ Lin, Deng Qijun, MA Xuemei, HE Jin*(316)
- Groundwater age and renewability in the north of Muling–Xingkai plain  
..... *SU Chen, CHENG Zhongshuang, ZHENG Zhaoxian, CHEN Zongyu*(328)
- The age and isotopic characteristics of groundwater in Taiyuan Formation limestone aquifer of the Huaibei  
coalfield ..... *CHEN Song, GUI Herong*(337)
- A study of flow path in Yuquanshan area of western Beijing based on integrated geophysical technology  
..... *LI Qiaoling, LEI Xiaodong, YANG Yong, YANG Quanhe,  
LI Chen, GUAN Wei, SUN Jiefu*(346)
- The impact of climatic warm–wet situation of the Tibetan Plateau on the water resources and environment in  
Qaidam Basin..... *DANG Xueya, CHANG Liang, LU Na*(359)
- Impact of future climate change on water resources in the arid regions of Northwest China based on surface  
water–groundwater coupling model: A case study of the middle reaches of the Heihe River  
..... *WU Bin, WANG Sai, WANG Wenxiang, AN Yonghui*(369)

- Mechanical analysis of apparent dip creep–buckling failure of Shanyang Super large–scale rockslide in Shaanxi Province ..... *WANG Jiayun, WANG Genlong, SHI Xiaoya*(381)
- The control of the old (abandoned course of ) Yellow River fault zone in Xuzhou on the karst collapse ..... *HUANG Jingjun, CUI Longyu, WU Xin, JIANG Su, JIANG Guoqing, XU Shiyin*(389)
- Origin of grained dolomite from the Buqu Formation of Zaring area in southern Qiangtang depression ..... *TIAN Kangzhi, JI Changjun, YI Haisheng, TAN Mei, JIN Feng, FAN Lishun*(398)
- Material composition and hydrocarbon potential of the shale of Wufeng–Longmaxi Formation in northwestern Hunan ..... *GAO Li, WANG Zongxiu, LIANG Mingliang, ZHANG Linyan, LI Huijun, LI Chunlin, GAO Wanli*(407)
- Application of lithium isotopes in genetic study of pegmatite deposits ..... *LI Xianfang, ZHANG Yujie, TIAN Shihong*(419)

### **Discoveries and Development**

- Strontium–enriched areas discovered in Lianhuashan, Changchun ..... *SUN Qifa, TIAN Hui, GUO Xiaodong, YU Huiming*(430)
- Important discovery of Devonian natural gas in Yunningdi 1 Well of Ninglang–Yanyuan area ..... *ZHANG Ziya, ZHANG Cong, SHI Dishu, QIN Yinglun, CHEN Rong, KANG Haixia*(432)
- The discovery of TSR evidence for marine shale gas reservoirs in Sichuan Basin ..... *LUO houyong, LIU Wenhui, WANG Xiaofeng, ZHANG Dongdong*(434)
- First identification of ~2.61 Ga amphibolite in Jiefangyingzi area on the northern margin of the North China Craton ..... *CUI Yuliang, QU Hongjie, CHEN Yingfu, WANG sen*(436)
- Disintegration of Guishan Formation– complex and delineation of subduction hyperplasia complex in East Qinling orogenic belt ..... *LI Chengdong, ZHAO Ligang, XU Yawen, CHANG Qingsong, XU Teng, TENG Xueming*(438)
- The discovery of Cambrian microbial reefs in Wuzhaigou, Luliang Mountain, Shanxi Province ..... *YANG Zhanbing, SU Dechen*(440)

### **News and Highlights**

- International Earth Science Program for supergene fluid mineralization of sandstone type uranium ore deposit (IGCP675) Successfully Approved ..... (442)
- Trove of Cambrian fossils recently discovered in Changyang area, Yichang City, Hubei Province ..... (443)
- A brief analysis of geological survey tendency abroad in the post–industrialization era ..... (445)