

地质科技情报

2019 年 第 38 卷 第 1 期
(总第 184 期)

(国内外公开发行, 双月刊)
2019 年 1 月出版

目 次

· 基础地质 ·

- 内蒙古林西地区林西组地质时代及沉积环境 李树才, 张雄华, 李沅柏, 杨欣杰, 张亮元(1)
全球标准层型剖面和点位(GSSP)研究进展 杨 兵, 夏浩东, 尚 磊, 孔令湖(8)
北部湾盆地涠西南凹陷 C 洼湖底扇沉积特征及控制因素分析
..... 杨希冰, 赵彦璞, 陆 江, 秦春雨, 罗碧华, 何 杰, 马江浩(18)
巴布亚盆地巴布亚复杂褶皱带构造综合解释技术及应用 张 洋(29)
塔中南缘断裂坡折带成因演化及对奥陶系优质礁滩体的控制作用
..... 肖子亢, 丁文龙, 曹自成, 何建华, 陈 恩, 代 鹏, 田明智(35)
大兴安岭中段索伦地区早白垩世花岗岩锆石 U-Pb 年代学、地球化学及构造意义
..... 王艺龙, 敖 光, 王海鹏, 王忠江, 王 岐, 仲米山, 谭 超, 杨运来, 李 琛, 牛明伟, 柯坤家(45)
新疆库鲁克塔格西段橄榄辉长岩脉 LA-ICP-MS 锆石 U-Pb 年龄、地球化学特征及其构造意义
..... 梁文博, 郭瑞清, 刘桂萍, 邹明煜, 胡雪原, 吴华楠, 张梦迪, 崔 涛(58)
陆地热泉硅华研究进展与展望 游雅贤, 文华国, 郑荣才, 罗连超(68)
秭归地区陆源碎屑岩导热系数试验研究 乔 宇, 骆 进, 项 伟, 黄 维, 郭清海, 张 琦(82)
贵州盘州地区早渐新世古气候定量重建 王浩飞, 郑 军, 付孝红, 王秋军, 李瑞云, 孙柏年(90)

· 矿产地质 ·

- 湖南省东北部地区桃江县木瓜园钨多金属矿成岩成矿时代及其对区域成矿作用的启示
..... 陕 亮, 庞迎春, 柯贤忠, 刘家军, 陈文辉, 牛志军, 徐德明, 龙文国, 王滨清(100)
SD 法在河南千鹅冲钼矿床资源储量估算中的应用
..... 王 云, 王 勇, 王文博, 陈鹏飞, 段世林, 许翔宇(113)
中非加丹加—赞比亚多金属成矿带成矿演化及找矿潜力分析
..... 孙宏伟, 王 杰, 任军平, 唐文龙, 刘晓阳, 左立波, 古阿雷, 邢 仕, 刘子江(121)
不同组分气体充注对碳酸盐胶结物形成的影响及其地质意义:以莺歌海盆地 XF13 区块黄流组储层
为例 罗程飞, 陈 勇, 陈金定, 黄向胜, 郭来源, 闫琢玉, 左晓东(132)
盐岩对地层温度及烃源岩热演化的影响:以加蓬盆地 X 区块为例
..... 王 柯, 郝建荣, 杨树春, 兰 蕾, 王建新(142)
塔河油田下寒武统肖尔布拉克组储层发育特征及控制因素探讨 ... 罗 鹏, 刘存革, 刘永立, 邵小明(152)
二连盆地乌里雅斯太凹陷 H 区阿尔善油层组储层特征及影响因素
..... 任江丽, 杜玉洪, 郭发军, 王红梅, 刘林玉, 朱玉双, 朱月珍, 王 伟, 陈大友, 王振川(160)

黄河口凹陷 BZ27 构造沙河街组砂岩储层致密化与油气充注关系	周园园,杨海风,刘庆顺,郭 涛,王 波,刘晓健(168)
致密砂砾岩储层裂缝形成及储层评价:以黄河口凹陷沙二段为例	李 欢,王清斌,庞小军,代黎明,刘晓健(176)
北部湾盆地涠西南凹陷古近系流二段滩坝沉积特征及控制因素	罗碧华,何 杰,姜 平,秦春雨,杨希冰,陆 江,赵彦璞(186)
川中磨溪地区龙王庙组晶粒白云岩储集性能及成因机制	王雅萍,杨雪飞,王兴志,黄梓桑,陈 超,杨跃明,罗文军(197)
考虑天然水平裂缝的页岩气三维运移模型	王 靖,楼章华,谢海建,金爱民(206)
渤海典型多层砂岩油藏中高含水期定向井产能预测新方法	刘彦成,蒋曙鸿,康 凯,张 章,林国松(214)
· 工程地质 ·	
北京平原地面沉降数值模拟情景分析	秦欢欢(221)
含水率和离子浓度对滑带土抗剪强度的影响	刘虎虎,缪海波,陈志伟,黄金勇(228)
· 水文地质 ·	
大同盆地地下水系统中碘迁移富集的生物标志物证据	关林瑞,钱 坤,李俊霞,谢先军(235)
新型地下水水流速流向测量技术及其在岩溶区调查中的应用	郭绪磊,朱静静,陈乾龙,刘 伟,罗明明,周 宏(243)
江汉平原高砷地下水与含水层沉积物的地球化学特征	邬建勋,余 倩,蒋庆肯,黄 韶,叶恒朋,杜冬云(250)
· 技术方法 ·	
倾斜摄影测量构建地质数字露头	万剑华,王 朝,刘善伟,任启强,冯建伟(258)
复杂碳酸盐岩成像地质解译:以柴达木盆地砂西地区为例	吴颜雄,赵 辉,杨 智,李海鹏,刘 乐,刘君林,施 奇(265)
音频大地电磁法对渝东南Ⅳ级地堑构造的识别及意义	何 帅,杨炳南,李核良,潘 文,凌 云,李 杰,张德实(270)
基于克希霍夫积分的 3D 保幅多次波衰减方法在浅海资料中的应用	彭海龙,邓 勇,赫建伟,刘 兵,任 婷(277)
利用重力场研究塞萨尔盆地及邻区构造特征	马 杰,王万银,纪晓琳(285)

主 编:王 华 副 主 编:李长冬 姜 涛 杨 勇

编 辑 部 主 任:刘江霞

责 任 编 辑:禹华珍 刘江霞 杨 勇 史冠中 沈文祺

英 文 审 稿:葛亚非 绘 图:沈文祺

期刊基本参数:CN42-1240/P * 1982 * b * A4 * 294 * zh * P * ¥25.00 * 1000 * 33 * 2019-1

GEOLOGICAL SCIENCE AND TECHNOLOGY INFORMATION

(Bimonthly)

Vol. 38 No. 1 Jan. 2019

CONTENTS

- Geological Age of Linxi Formation in Linxi, Inner Mongolia, and Its Sedimentary Environment *Li Shuai, Zhang Xionghua, Li Yuanbai, Yang Xinjie, Zhang Liangyuan* (1)
- Global Boundary Stratotype Section and Point (GSSP): Review of Recent Progress *Yang Bing, Xia Haodong, Shang Lei, Kong Linghu* (8)
- Sedimentary Characteristics and Controlling Factors of Sublacustrine Fans in Sag C, Weixinan Depression, Beibuwan Basin *Yang Xibing, Zhao Yanpu, Lu Jiang, Qin Chunyu, Luo Bihua, He Jie, Ma Jianghao* (18)
- Structural Comprehensive Interpretation Technology and Application in Papuan Complex Fold Belt of Papuan Basin *Zhang Yang* (29)
- Genetic Evolution and Controlling Effect on Ordovician Reef with Good Property in the Tazhong Southern Faulted Slope Break *Xiao Zikang, Ding Wenlong, Cao Zhicheng, He Jianhua, Chen En, Dai Peng, Tian Mingzhi* (35)
- Zircon U-Pb Geochronology, Geochemistry and Tectonic Significance of Early Cretaceous Granites in Suolun Area of Central Da Hinggan Mountains *Wang Yilong, Ao Guang, Wang Haipeng, Wang Zhongjiang, Wang Qi, Zhong Mishan, Tan Chao, Yang Yunlai, Li Zhuo, Niu Mingwei, Ke Kunjia* (45)
- LA-ICP-MS Zircon U-Pb Age and Geochemistry of the Olivine Gabbro Dike in the Western Segment of Kuruktag, Xinjiang and Its Tectonic Significance *Liang Wenbo, Guo Ruiqing, Liu Guiping, Zou Mingyu, Hu Xueyuan, Wu Huanan, Zhang Mengdi, Cui Tao* (58)
- Advances and Prospects of the Terrestrial Geothermal Siliceous Sinter Research *You Yaxian, Wen Huaguo, Zheng Rongcai, Luo Lianchao* (68)
- Experimental Study on Thermal Conductivity of Terrigenous Clastic Rocks in Zigui Area *Qiao Yu, Luo Jin, Xiang Wei, Huang Wei, Guo Qinghai, Zhang Qi* (82)
- Quantitative Reconstruction of the Early Oligocene Paleoclimate of Panzhou District, Guizhou *Wang Haofei, Zheng Jun, Fu Xiaohong, Wang Qiujun, Li Ruiyun, Sun Bainian* (90)
- Diagenetic and Metallogenic Age of the Muguayuan Tungsten Polymetallic Deposit and Its Effect on Regional Mineralization, Taojiang County, Northeastern Hunan Province, China *Shan Liang, Pang Yingchun, Ke Xianzhong, Liu Jiajun, Chen Wenhui, Niu Zhijun, Xu Deming, Long Wenguo, Wang Binqing* (100)
- Application of SD Method in the Resources Reserves Estimation for Qian'echong Molybdenum Deposit, Henan Province *Wang Yun, Wang Yong, Wang Wenbo, Chen Pengfei, Duan Shilin, Xu Xiangyu* (113)
- Metallogenic Evolution and Prospecting Potential of Katanga-Zambia Polymetallic Metallogenic Belt in Central Africa *Sun Hongwei, Wang Jie, Ren Junping, Tang Wenlong, Liu Xiaoyang, Zuo Libo, Gu Alei, Xing Shi, Liu Zijiang* (121)
- Effects of Different Gas Charging on the Formation of Carbonate Cement and Its Geological Significance: A Case Study on the Reservoirs in the Huangliu Formation of the XF13 Block, Yinggehai Basin *Luo Chengfei, Chen Yong, Chen Jinding, Huang Xiangsheng, Guo Laiyuan, Yan Zhuoyu, Zuo Xiaodong* (132)
- Effect of Salt on Formation Temperature and Thermal Evolution of Source Rock: A Case Study on the Area of X in Gabon Coastal Basin *Wang Ke, Hao Jianrong, Yang Shuchun, Lan Lei, Wang Jianxin* (142)

Reservoir Characteristics and Controlling Factors of Cambrian Xiaoerbulake Formation in Tahe Oilfield	Luo Peng ,Liu Cunge ,Liu Yongli ,Shao Xiaoming(152)
Reservoir Characteristics and Influential Factors of Aershan Reservoir of the Wuliyasitai Depression in H Area, Erlian Basin	Ren Jiangli ,Du Yuhong ,Guo Fajun ,Wang Hongmei , Liu Linyu ,Zhu Yushuang ,Zhu Yuezhen ,Wang Wei ,Chen Dayou ,Wang Zhenchuan(160)
Relationship between Sandstone Reservoir Densification and Hydrocarbon Charging in the Shahejie Formation of the BZ27 Structure in Huanghekou Depression	Zhou Yuanyuan , Yang Haifeng ,Liu Qingshun ,Guo Tao ,Wang Bo ,Liu Xiaojian(168)
Fracture Generation and Reservoir Evaluation of Tight Gluteneite Reservoir: A Case Study of Second Member of Shahejie Formation in Huanghekou Depression	Li Huan ,Wang Qingbin ,Pang Xiaojun ,Dai Liming ,Liu Xiaojian(176)
Sedimentary Characteristics of Lacustrine Beach-Bars and Their Formation of the Second Member of Liushagang Formation in the Paleogene Weixinan Depression of Beibuwan Basin	Luo Bihua ,He Jie ,Jiang Ping ,Qin Chunyu ,Yang Xibing ,Lu Jiang ,Zhao Yanpu(186)
Reservoir Property and Genesis of Powder Crystal Dolomite in the Longwangmiao Formation, Moxi Area in Central Sichuan Basin	Wang Yaping ,Yang Xuefei ,Wang Xingzhi , Huang Zisang ,Chen Chao ,Yang Yueming , Luo Wenjun(197)
A Three-Dimensional Numerical Model for Shale Gas Transport in Porous Media Considering Effect of Natural Horizontal Fracture	Wang Jing ,Lou Zhanghua ,Xie Haijian ,Jin Aimin(206)
A New Method of Productivity Prediction in the Multilayer Commingled Production with Medium-High Water-Cut Period	Liu Yancheng ,Jiang Shuhong ,Kang Kai ,Zhang Zhang ,Lin Guosong(214)
Numerical Simulation and Scenario Analysis of Land Subsidence in Beijing Plain	Qin Huanhuan(221)
Effect of Water Content and Ion Concentration on Shear Strength of Sliding Zone Soil	Liu Huhu ,Miao Haibo ,Chen Zhiwei ,Huang Jinyong(228)
Mobilization and Enrichment of Iodine in Groundwater from the Datong Basin: Evidences from Biomarker Study	Guan Linrui ,Qian Kun ,Li Junxia ,Xie Xianjun(235)
Flow Direction and Its Application in the Investigation of Karst Area	Guo Xulei ,Zhu Jingjing ,Chen Qianlong ,Liu Wei ,Luo Mingming ,Zhou Hong(243)
Geochemical Characteristics of Groundwater and Aquifer Sediments in High Arsenic Groundwater in Jianghan Plain	Wu Jianxun ,Yu Qian ,Jiang Qingken ,Huang Tao ,Ye Hengpeng ,Du Dongyun(250)
Reconstituting Geological Digital Outcrops with Oblique Photogrammetry	Wan Jianhua ,Wang Zhao ,Liu Shanwei ,Ren Qiqiang ,Feng Jianwei(258)
Geological Interpretation of Complex Carbonate Imaging: A Case Study of Eastern Shaxi Area in Qaidam Basin	Wu Yanxiong ,Zhao Hui ,Yang Zhi ,Li Haipeng ,Liu Le ,Liu Junlin ,Shi Qi(265)
Identification of IV Graben Tectonics of Southeast Chongqing by AMT Method and Its Significance	He Shuai ,Yang Bingnan ,Li Heliang ,Pan Wen ,Ling Yun ,Li Jie ,Zhang Deshi(270)
Application of Multiple Attenuation Based on Amplitude Preserving with Krichhoff Diffraction for Shallow Water from 3D OBC Data	Peng Hailong ,Deng Yong ,He Jianwei ,Liu Bing ,Ren Ting(277)
Tectonic Characteristics of Cesar Basin and Its Adjacent Areas According to Gravity Field	Ma Jie ,Wang Wanyin ,Ji Xiaolin(285)