

特邀主编 陈红汉

# 地球科学

2023年6月 第48卷 第6期

## 目次

### 板内走滑断裂与油气聚集专辑

我国大型克拉通叠合盆地的走滑构造与油气聚集研究进展 ..... 陈红汉(2039)

板内小位移走滑断裂特征解析:以塔里木、四川及鄂尔多斯盆地为例  
..... 唐大卿,陈红汉,耿 锋,齐 荣,姜 华,古再丽努尔·艾尔肯(2067)

塔里木盆地麦盖提斜坡西断裂发育特征、演化及形成机制  
..... 耿 锋,易泽军,郝建龙,沙旭光,王海学,冯 昌,段宏亮(2087)

走滑断裂“分期一异向”变形过程砂箱物理模拟:以塔里木盆地顺北5号断层北段为例  
..... 付晓飞,冯 军,王海学,邓 尚,马庆佑,兰明杰,易泽军(2104)

塔里木盆地顺北5号走滑断裂带北一中段构造特征与多期构造叠加演化时空序列  
..... 田方磊,何登发,陈横俊,毛丹凤(2117)

克拉通内走滑断裂空间结构及派生构造新样式:以塔里木盆地顺北12号断裂为例  
..... 何松高,邓 尚,刘雨晴,邱华标,朱秀香,李传新(2136)

塔里木盆地顺南地区18号走滑断裂带的构造几何学特征及成因机制 ... 毛丹凤,何登发,陈横俊,田方磊(2151)

顺北地区不同走滑断裂带奥陶系油气成藏期次及其贡献度差异性  
..... 张 钰,曹自成,陈红汉,谷 茸,李海英(2168)

柯坪地区中下寒武统走滑断裂带方解石脉期次、古流体演化与油气充注历史  
..... 刘建章,陈 诚,蔡忠贤,李 杰,吴正洲(2189)

川中海相碳酸盐岩层系小型走滑断裂地震识别  
..... 马 峰,汪泽成,雷 明,付小东,文 龙,刘雄志,李文正,周 刚(2204)

四川盆地中西部走滑断裂及其对油气成藏控制作用  
..... 付小东,张本健,汪泽成,雷 明,张建勇,管树巍,李文正,钟 原,谷明峰,陈 涛(2221)

四川盆地中部高石梯—磨溪地区F<sub>9</sub>走滑断裂带构造特征与演化  
..... 鲁 国,田方磊,何登发,刘 欢,赵小辉(2238)

四川盆地高石梯—磨溪地区走滑断裂控制下的“层楼式”油气成藏模式:以震旦系—寒武系为例  
..... 李纯泉,陈红汉,唐大卿,汪泽成,姜 华(2254)

鄂尔多斯盆地大牛地区块板内走滑断裂构造特征及演化  
..... 张 威,杨明慧,李春堂,李竞赢,孙涵静,崇荔萍,陈 杰,田 刚,邢 舟(2267)

鄂尔多斯盆地南部泾河油田延长组板内走滑断裂内部结构刻画  
..... 孟玉净,陈红汉,赵彦超,骆 杨,唐大卿,何发岐,王国壮,党文斌,许艳争(2281)

鄂尔多斯盆地南部玉都走滑断裂带构造特征及其对油气成藏的控制  
..... 叶 慧,石万忠,王 任,齐 荣,刘 凯,贾会冲,林建炜(2294)

走滑断裂对原油性质的控制作用:以鄂尔多斯盆地南部泾河油田为例  
..... 苏 鹏,胡守志,李水福,梁承春,尹 超,邓 杰,杨宇航,唐大卿(2310)

鄂尔多斯盆地泾河油田走滑断裂带油气成藏特征及控藏机制  
..... 杨 鑫,平宏伟,雷 涛,张新乐,邵隆坎,苏 奥,陆 骋,孟玉净,唐大卿(2324)

走滑断裂内部结构渗透差异特征及其输导控藏模式  
..... 罗 群,王千军,杨 威,王耀华,许 倩,张子隆,邱兆轩(2342)

珠江口盆地西江主洼烃源岩属性、原油分类及成藏主控因素  
..... 彭光荣,张丽丽,许新明,邱欣卫,何金海,刘昭茜(2361)

\*\*\*\*\*

非常规油气地质学理论技术及实践... 邹才能,杨 智,张国生,朱如凯,陶士振,袁选俊,侯连华,董大忠,  
郭秋麟,宋 岩,冉启全,邱 振,吴松涛,马 锋,白 斌,王 岚,  
熊 波,潘松圻,刘翰林,王小妮 (2376)

东昆仑造山带东段志留纪—泥盆纪中性岩的成因及其构造意义  
..... 刘 彬,伍炼华,马昌前,徐 雨,李福林,湛君明,黄 坚,孙 洋(2398)

小半径曲线隧道下地铁运行对粉砂土层引起的振动响应规律 ..... 王晓睿,刘 旭,张 昕,张俊然(2415)

《地球科学》2023年7月第48卷第7期要目预告 ..... (2220)

主编 王焰新

责任编辑 姚 戈

期刊基本参数: CN 42—1874/P \* 1957 \* m \* A4 \* 388 \* zh \* P \* ¥ 50.00 \* 1200 \* 23 \* 2023—06

封面照片: 天山南一间房走滑断裂远眺(中石化西北油田分公司王君奇提供)

**EARTH SCIENCE**  
**Vol.48 No.6 Jun. 2023**

**CONTENTS**

*Special Issue on Strike-Slip Fault in Intraplate and Hydrocarbon Accumulation*

Advances on Relationship between Strike-Slip Structures and Hydrocarbon Accumulations in Large Superimposed Craton Basins, China ..... *Chen Honghan* (2039)

Characteristics of Intraplate Small-Displacement Strike-Slip Faults: A Case Study of Tarim, Sichuan and Ordos Basins ..... *Tang Daqing, Chen Honghan, Geng Feng, Qi Rong, Jiang Hua, Guzailinuer, Aierken* (2067)

Development Characteristics, Evolution and Formation Mechanism of Luoxi Fault in Maigaiti Slope, Tarim Basin ..... *Geng Feng, Yi Zejun, Hao Jianlong, Sha Xuguang, Wang Haixue, Feng Chang, Duan Hongliang* (2087)

Sandbox Physical Simulation on “Different Period-Different Direction” Deformation Process of Strike-Slip Faults: A Case Study of Northern Segment of Shunbei No. 5 Fault in Tarim Basin ..... *Fu Xiaofei, Feng Jun, Wang Haixue, Deng Shang, Ma Qingyou, Lan Mingjie, Yi Zejun* (2104)

Northern and Central Segments of Shunbei No.5 Strike-Slip Fault Zone in Tarim Basin: Structural Characteristics and Spatio-Temporal Evolution Process ..... *Tian Fanglei, He Dengfa, Chen Jiajun, Mao Danfeng* (2117)

New Structural Style of Spatial Architecture and Derived Structure of Intracratonic Strike-Slip Faults: A Case Study of Shunbei No. 12 Fault, Tarim Basin ..... *He Songgao, Deng Shang, Liu Yuqing, Qiu Huabiao, Zhu Xiuxiang, Li Chuanxin* (2136)

Geometry Characteristics and Genesis of No.18 Strike-Slip Faults in Shunnan Area, Tarim Basin, SW China ..... *Mao Danfeng, He Dengfa, Chen Jiajun, Tian Fanglei* (2151)

Difference of Hydrocarbon Charging Events and Their Contribution Percentages to Ordovician Reservoirs among Strike-Slip Fault Belts in Shunbei Area, Tarim Basin ..... *Zhang Yu, Cao Zicheng, Chen Honghan, Gu Rong, Li Haiying* (2168)

Division of Calcite Veins Stage, Paleo-Fluid Evolution and Hydrocarbon Charging History in the Middle and Lower Cambrian Strike-Slip Fault Zone in Keping Area, Northwest of Tarim Basin ..... *Liu Jianzhang, Chen Cheng, Cai Zhongxian, Li Jie, Wu Zhengzhou* (2189)

Seismic Identification of Small Strike-Slip Faults in Marine Carbonate Strata in Paleouplift Area of Central Sichuan Basin ..... *Ma Feng, Wang Zecheng, Lei Ming, Fu Xiaodong, Wen Long, Liu Xiongzhi, Li Wenzheng, Zhou Gang* (2204)

Strike-Slip Faults in Central and Western Sichuan Basin and Their Control Functions on Hydrocarbon Accumulation ..... *Fu Xiaodong, Zhang Benjian, Wang Zecheng, Lei Ming, Zhang Jianyong, Guan Shurwei, Li Wenzheng, Zhong Yuan, Gu Mingfeng, Chen Tao* (2221)

Structural Characteristics and Evolution of No.9 Strike-Slip Fault Zone in Gaoshiti-Moxi Area in Central Sichuan Basin ..... *Lu Guo, Tian Fanglei, He Dengfa, Liu Huan, Zhao Xiaohui* (2238)

Strike-Slip Faults Controlled “Floor Type” Hydrocarbon Accumulation Model in Gaoshiti-Moxi Area, Sichuan Basin: A Case Study of Sinian-Cambrian ..... *Li Chunquan, Chen Honghan, Tang Daqing, Wang Zecheng, Jiang Hua* (2254)

Structural Characteristics and Evolution of Intraplate Strike-Slip Faults in Daniudi Block, Ordos Basin ..... *Zhang Wei, Yang Minghui, Li Chuntang, Li Jingying, Sun Hanjing, Chong Liping, Chen Jie, Tian Gang, Xing Zhou* (2267)

Characterization of Architecture of Intraplate Strike-Slip Faults in Yanchang Formation of Jinghe Oilfield in Southern Ordos Basin ..... *Meng Yujing, Chen Honghan, Zhao Yanchao, Luo Yang, He Faqi, Wang Guozhuang, Dang Wenbin, Xu Yanzheng* (2281)

Structural Characteristics of Yudu Strike-Slip Fault Zone and Their Control on Hydrocarbon Accumulation in Southern Ordos Basin ..... *Ye Hui, Shi Wanzhong, Wang Ren, Qi Rong, Liu Kai, Jia Huichong, Lin Jianwei* (2294)

Control of Strike-Slip Faults on Crude Oil Properties: Exemplified by Jinghe Oilfield in South Ordos Basin ..... *Su Peng, Hu Shouzhi, Li Shuifu, Liang Chengchun, Yin Chao, Deng Jie, Yang Yuhang, Tang Daqing* (2310)

Hydrocarbon Accumulation Characteristics and Controlling Mechanism of Strike-Slip Faults in Jinghe Oilfield, Ordos Basin ..... *Yang Xin, Ping Hongwei, Lei Tao, Zhang Xinle, Shao Longkan, Su Ao, Lu Cheng, Meng Yujing, Tang Daqing* (2324)

Internal Structural Units, Differential Characteristics of Permeability and Their Transport, Shielding and Reservoir Control Modes of Strike-Slip Faults ..... *Luo Qun, Wang Qianjun, Yang Wei, Wang Yaohua, Xu Qian, Zhang Zilong, Qiu Zhaoxuan* (2342)

Source Rock Attribute, Oil Classification and Hydrocarbon Accumulation Main Control Factors of Xijiang Main Sag in Pearl River Mouth Basin ..... *Peng Guangrong, Zhang Lili, Xu Xinming, Qiu Xinwei, He Jinhai, Liu Zhaoqian* (2361)

\*\*\*\*\*

Theory, Technology and Practice of Unconventional Petroleum Geology ..... *Zou Caineng, Yang Zhi, Zhang Guosheng, Zhu Rukai, Tao Shizhen, Yuan Xuanjun, Hou Lianhua, Dong Dazhong, Guo Qulin, Song Yan, Ran Qiquan, Qiu Zhen, Wu Songtao, Ma Feng, Bai Bin, Wang Lan, Xiong Bo, Pan Songqi, Liu Hanlin, Wang Xiaoni* (2376)

Petrogenesis and Tectonic Implications of Silurian to Devonian Intermediate Rocks from East Part of East Kunlun Orogenic Belt ..... *Liu Bin, Wu Lianhua, Ma Changqian, Xu Yu, Li Fulin, Zhan Junming, Huang Jian, Sun Yang* (2398)

Vibration Response Caused by Silt Layer in Underground Subway under Small Radius Curve Tunnel ..... *Wang Xiaorui, Liu Xu, Zhang Xin, Zhang Junran* (2415)