

中国科技核心期刊



ISSN 0253-4967

CN 11-2192/P

CODEN DDIZD4

# 地震地质

## SEISMOLOGY AND GEOLOGY

第43卷 第1期 Vol. 43 No. 1

# 2021



中国地震局地质研究所

ISSN 0253-4967



万方数据

地震地质  
第四十三卷  
第一期  
二〇二一年一月

# 地震地质

(2021年2月 第43卷 第1期)

## 目次

### 研究论文

亚稳态准动态及同震过程变形场时空演化特征——实验与分析·····	李世念	马瑾	汲云涛,等(1)
花岗岩非稳态流变实验·····	牛露	周永胜	姚文明等(20)
海原断裂干盐池拉分盆地中央断层的形成机制探讨·····	雷生学	冉勇康	李彦宝等(36)
大凉山断裂带北段石棉断裂的古地震·····	冯嘉辉	陈立春	王虎等(53)
西秦岭临潭-宕昌断裂第四纪最新活动特征·····	张波	田勤俭	王爱国等(72)
鲁甸地震的滑坡物质运移规律与地形特征·····	陈晓利	刘春国	传一健等(92)
一种特殊的火山作用形式——射汽岩浆喷发作用·····	张雯倩	李霓	(105)
基于人工地震资料的珠江口地区最小一维P波速度模型·····	王力伟	王宝善	叶秀薇等(123)
镇江地区主要NW向断裂的第四纪活动性·····	张鹏	许奎	范小平等(144)
大别造山带东段重力异常多尺度分解及其构造意义·····	黎哲君	义崇政	周冬瑞等(158)
南北地震带中段及周边中强地震序列类型的特征·····	祁玉萍	龙锋	林圣杰等(177)
2019年夏河M5.7地震的余震序列重定位及发震构造·····	刘旭宙	沈旭章	何骁慧等(197)
丁青地区地震重定位、震源机制及其发震构造初步分析·····	李启雷	李玉丽	屠泓为等(209)
青海共和及周边地区的地壳三维速度结构·····	罗仁昱	陈继锋	尹欣欣等(232)
天山地震带主要活动断层现今的滑动速率及其地震矩亏损·····	朱爽	梁洪宝	魏文薪等(249)

责任编辑:万园 赵雯佳

编辑:周兴志

英文审校:尹志军

# SEISMOLOGY AND GEOLOGY

( Vol.43 No.1 Feb. 2021 )

## CONTENTS

### Research paper

- The spatio-temporal evolution of the fault deformation during the meta-instability quasi-dynamic phase and the coseismic stage: A view from laboratory ..... LI Shi-nian, MA Jin, JI Yun-tao, *et al.* ( 1 )
- An experimental study on the transient creep of granite ..... NIU Lu, ZHOU Yong-sheng, YAO Wen-ming, *et al.* ( 20 )
- A possible mechanism for reverse cross-basin fault in Ganyanchi asymmetric pull-apart basin along the Haiyuan Fault ..... LEI Sheng-xue, RAN Yong-kang, LI Yan-bao, *et al.* ( 36 )
- Paleoseismologic study on the Shimian Fault in the northern section of the Daliangshan fault zone ..... FENG Jia-hui, CHEN Li-chun, WANG Hu, *et al.* ( 53 )
- Studies on new activity of Lintan-Dangchang Fault, west Qinling ..... ZHANG Bo, TIAN Qin-jian, WANG Ai-guo, *et al.* ( 72 )
- Study on the distribution of co-seismic landslides and terrain features in the  $M_{\leq 6.5}$  Ludian earthquake affected area ..... CHEN Xiao-li, LIU Chun-guo, CHUAN Yi-jian, *et al.* ( 92 )
- A special magmatism: Phreatomagmatic eruption ..... ZHANG Wen-qian, LI Ni (105)
- An improved minimum 1-D  $V_p$  velocity model in the onshore-offshore area of the Pearl River estuary from 3-D active-source seismic experiment ..... WANG Li-wei, WANG Bao-shan, YE Xiu-wei, *et al.* (123)
- Research on the characteristic of Quaternary activities of NW-trending faults in Zhenjiang area ..... ZHANG Peng, XU Kui, FAN Xiao-ping, *et al.* (144)
- Multi-scale decomposition of gravity anomaly of the eastern Dabie orogen and its tectonic implications ..... LI Zhe-jun, YI Chong-zheng, ZHOU Dong-rui, *et al.* (158)
- A study on the earthquake sequence type in the middle section of the north-south seismic belt and its surrounding regions ..... QI Yu-ping, LONG Feng, LIN Sheng-jie, *et al.* (177)
- Relocation of the 28 October 2019 Xiahe  $M5.7$  earthquake sequence and analysis of seismogenic fault ..... LIU Xu-zhou, SHEN Xu-zhang, HE Xiao-hui, *et al.* (197)
- The relocation, focal mechanisms of the Dingqing earthquakes and a preliminary study of its seismogenic structure ..... LI Qi-lei, LI Yu-li, TU Hong-wei, *et al.* (209)
- Study on the 3D crustal velocity structure of body-wave in Gonghe area ..... LUO Ren-yu, CHEN Ji-feng, YIN Xin-xin, *et al.* (232)
- Slip rates and seismic moment deficits on major faults in the Tianshan region ..... ZHU Shuang, LIANG Hong-bao, WEI Wen-xin, *et al.* (249)