

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44卷 第3期 Vol. 44 No. 3

# 2022



中国地震局地质研究所

ISSN 0253-4967



地震地质  
第四十四卷  
第三期  
二〇二二年六月

# 地震地质

(2022年6月 第44卷 第3期)

## 目次

### 研究论文

- 江苏省泗阳浅层沉积结构的微动  $H/V$  谱比法探测 ..... 彭菲 王伟君 熊仁伟等(561)
- 青藏高原东缘扶边河断裂周边地壳密度及垂向构造应力特征 ..... 张国庆 祝意青 梁伟锋(578)
- 不同地震滑坡危险性评价方法的适用性探讨——以玛多  $M_s7.4$  地震为例 ..... 魏延坤 陈晓利(590)
- 基于多通道互相关的青藏高原东北缘背景噪声层析成像 ..... 马小军 吴庆举 潘佳铁等(604)
- 西藏波密的地震活动及季节性降雨的触发作用 ..... 李梦圆 蒋海昆 宋金等(625)

### 极低频地震电磁专题文章

- 首都圈极低频电磁台网区地下电性结构探测 ..... 董泽义 汤吉 赵国泽等(649)
- 2020年7月12日唐山古冶 5.1 级地震的电磁现象 ..... 范晔 汤吉 缪杰等(669)
- 大地电磁数据揭示的 1303 年洪洞 8 级地震区精细结构 ..... 赵凌强 詹艳 王庆良等(686)
- 2013 年岷县-漳县  $M_s6.6$  地震前通渭台的视电阻率变化 ..... 解滔 于晨 王亚丽等(701)
- HVDC 入地电流对地电场的影响规律及入地极定位 ..... 章鑫 范晔 叶青等(718)
- 强电磁干扰环境下的大地电磁数据特征及处理 ..... 韩静 詹艳 孙翔宇等(736)
- 极低频台站同震电磁信号特征分析 ..... 韩冰 汤吉 赵国泽等(753)
- 人工源极低频电磁波场空间分布的计算 ..... 杨静 陈小斌 赵国泽(771)
- 强干扰环境下的大地电磁时间序列处理过程 ..... 张赟昀 王培杰 陈小斌等(786)
- 大地电磁三维反演云计算系统 toPeak 的设计与实现 ..... 刘钟尹 陈小斌 蔡军涛等(802)
- 怀来极低频电磁观测监控与管理方法的实现 ..... 池海江 温佳(821)

# SEISMOLOGY AND GEOLOGY

(Vol.44 No.3 Jun. 2022)

## CONTENTS

### Research paper

- Detection of shallow sedimentary structure in Siyang, Jiangsu Province by microtremor  $H/V$  spectral ratio method  
..... PENG Fei, WANG Wei-jun, XIONG Ren-wei, *et al.* (561)
- The crustal density structures and isostatic additional stress around the Fubianhe Fault on the eastern margin of  
Tibet Plateau ..... ZHANG Guo-qing, ZHU Yi-qing, LIANG Wei-feng (578)
- Applicability of different seismic landslide risk assessment methods: A case study of Maduo  $M_s7.4$  earthquake  
..... WEI Yan-kun, CHEN Xiao-li (590)
- Ambient noise eikonal tomography based on mutichannel cross-correlation in the northeastern margin of the Ti-  
betan Plateau ..... MA Xiao-jun, WU Qing-ju, PAN Jia-tie, *et al.* (604)
- Seismicity triggered by seasonal rainfall: A case study in Bomi, Tibet  
..... LI Meng-yuan, JIANG Hai-kun, SONG Jin, *et al.* (625)

### Special topic on extremely low-frequency seismo-electromagnetic phenomena

- Probing the subsurface electric structure for CSELF network in capital circle region  
..... DONG Ze-yi, TANG Ji, ZHAO Guo-ze, *et al.* (649)
- The electromagnetic anomaly of Tangshan Guye  $M_s5.1$  earthquake on July 12, 2020  
..... FAN Ye, TANG Ji, MIAO Jie, *et al.* (669)
- The seismogenic structure of the 1303 Hongtong  $M8$  earthquake inferred from magnetotelluric imaging  
..... ZHAO Ling-qiang, ZHAN Yan, WANG Qing-liang, *et al.* (686)
- Apparent resistivity variation of Tongwei seismic station before the Minxian-Zhangxian  $M_s6.6$  earthquake in 2013  
..... XIE Tao, YU Chen, WANG Ya-li, *et al.* (701)
- The influence of HVDC transmission on geoelectric field and locating the grounding poles  
..... ZHANG Xin, FAN Ye, YE Qing, *et al.* (718)
- Characteristics and processing of magnetotelluric data under strong electromagnetic interference environment  
..... HAN Jing, ZHAN Yan, SUN Xiang-yu, *et al.* (736)
- Analysis of electromagnetic co-seismic phenomena observed in CSELF stations  
..... HAN Bing, TANG Ji, ZHAO Guo-ze, *et al.* (753)
- Calculation of spatial distribution of CSELF electromagnetic field  
..... YANG Jing, CHEN Xiao-bin, ZHAO Guo-ze (771)
- Magnetotelluric time series processing in strong interference environment  
..... ZHANG Yun-yun, WANG Pei-jie, CHEN Xiao-bin, *et al.* (786)
- The design and application of toPeak: A three-dimensional magnetotelluric inversion cloud computing system  
..... LIU Zhong-yin, CHEN Xiao-bin, CAI Jun-tao, *et al.* (802)
- Realization of monitoring and management method for extremely low frequency electromagnetic observation in  
Huailai ..... CHI Hai-jiang, WEN Jia (821)