

综述

- 2685 地月空间粒子辐射环境及其对月表物质的影响研究进展 史全岐, 张江, 乐超, 宗秋刚, 谢良海, 王慧姿, 韩晨尧, 傅越, 商文赛, 郭瑞龙, 田安民

空间物理学·测量学

- 2703 基于 GNSS 观测的全球赤道等离子体泡对太阳和地磁活动及季节依赖特征 赵秀宽, 李国主, 胡连欢, 解海永, 孙文杰, 李怡, 宁百齐, 刘立波

- 2713 改进的 GRACE 约束正演法及其在尼皮贡湖陆地水储量变化估计中的应用 简光煜, 许闯, 邹芳, 黎晋博, 余杭涛

- 2726 2011—2020 年弗拉姆海峡夏季海冰漂移跟踪及变化分析 方岩, 王雪, 陈卓奇, 李刚, 惠凤鸣, 程晓

地球动力学·地震学·地磁学

- 2741 2001 年昆仑山地震同震一震后效应与 2021 年玛多地震关系探讨 屈春燕, 赵德政, 单新建, 岳冲, 陈晗, 吴东霖, 刘恋, 张国宏

- 2757 青藏高原东缘虎牙断裂带南北段运动方式差异性机理: 来自数值模拟的约束 刘皓晴, 李玉江, 陈连旺

- 2772 青藏高原北部历史强震对 2022 年门源 $M_s 6.9$ 地震及后续地震库仑应力触发作用 汤大委, 葛伟鹏, 袁道阳, 郑文俊, 胡才博

- 2796 2022 年门源地震序列揭示的断层几何形状及滑动特性 万永革, 黄少华, 王福昌, 许英才, 余海琳

- 2811 滑坡的摩擦力与正压力力偶的地震波场模拟 李文莹, 张勇, 华思博, 许月怡

- 2826 2018 年台湾浅滩 $M_w 5.7$ 地震的余震序列及发震构造研究 唐兰兰, 王笋, 徐立, 刘善虎, 张艺峰, 姚道平

- 2843 中朝克拉通东部上地幔精细圈层结构: 来自朝鲜核爆源深地震测深剖面的约束 张晓青, Hans Thybo, Irina M. Artemieva, 徐涛, 白志明

- 2860 滇东北地区三维电性构造研究 梁莹, 唐新功, 余俊虎, 胡文宝

- 2875 淮南深地实验室分布式光纤地震立体台阵观测数据分析 包丰, 林融冰, 张宫博, 吕昊, 陈晓东, 张丽娜

- 2887 利用热-孔隙流体耦合有限元数值模拟研究干热岩开发温度下降过程——以青海共和盆地恰卜恰地区干热岩开发为例 刘汉青, 胡才博, 赵桂萍, 石耀霖

- 2903 2022 年 1 月 8 日青海门源 6.9 级地震机器学习地震预警震级估计与现地阈值报警的回溯验证 宋晋东, 朱景宝, 韦永祥, 刘艳琼, 何斌, 李继龙, 李山有

- 2920 基于多参数驱动机器学习的实时地震烈度预测模型 丁祎天, 胡进军, 张辉, 靳超越, 胡磊, 王中伟, 汤超

- 2933 四川地区场地放大系数特征分析及在强地震动模拟中的应用——以 2022 年芦山 $M_s 6.1$ 地震为例 傅磊, 谢俊举, 陈苏, 张斌, 张旭, 李小军

- 2951 噪声 HVSr 法在 OBS 探测中的应用——以珠江口外海 OBS 台阵为例 熊成, 叶秀薇, 张严心, 吕作勇, 王力伟

2961 地震面波与重力联合成像分析苏拉威西周缘壳幔热-流变学结构 ... 姜程浩, 张健, 李志伟, 郝天珧, 董森, 方桂

2973 基于张衡一号卫星数据的中国区域岩石圈磁场球冠谐分析 王婕, 申旭辉, 杨艳艳, 泽仁志玛, 黄建平, 赵庶凡, 王桥, 鲁恒新, 郭峰

2983 环境磁学视角下的北冰洋深海磁性地层: 以罗蒙诺索夫脊 ARC5-ICE4 孔为例 ... 张茂, 刘建兴, 邹庆超, 姚政权, 刘焱光, 石学法

应用地球物理学

2997 基于门控循环单元主导的深度网络半监督地震衰减补偿方法 ... 戚倩玉, 高静怀, 陈红灵, 高照奇, 黄研, 陈娟, 曹永亮, 王建花

3011 自适应对数螺旋路径萤火虫算法反演瑞雷面波频散曲线 刘国鑫, 沈鸿雁, 车晗,

王鑫, 李庆春, 李欣欣, 赵静

3026 基于面波频散曲线聚类分析的近地表横波速度反演 宋欣悦, 刘国昌, 杜婧, 迟麟, 王志勇, 时岚婷, 王依萌, 王兴宇

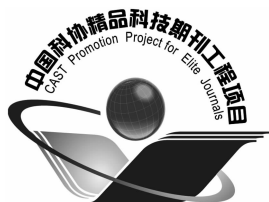
3048 基于 FCM 聚类约束的直流电阻率法与地震走时成像法二维联合反演 ... 刘佳成, 张志勇, 周峰, 李曼, 欧塬圩, 杨磊, 易柯

3060 黏弹性 VTI 介质微地震数据目标导向裂缝染色逆时偏移 刘英昌, 唐杰, 高翔, 孙成禹

3076 基于卷积降噪自编码器和 Softmax 回归的微地震定位方法 封强, 潘保芝, 韩立国

3086 地球物理测井反问题机器学习数据集的构建方法研究 ... 邵蓉波, 史燕青, 周军, 肖立志, 廖广志, 侯圣峦

3102 微分算子展开与耦合势三维有限体积法快速计算随钻超深前视电阻率测井响应非线性 Born 逼近 王亚洲, 汪宏年, 康庄庄, 殷长春



Contents

Review

- 2685 Review of particle radiation environment of the Earth-Moon space and its impact on Lunar surficial material generation ... SHI QuanQi, ZHANG Jiang, YUE Chao, ZONG QiuGang, XIE LiangHai, WANG HuiZi, HAN ChenYao, FU Yue, SHANG WenSai, GUO RuiLong, TIAN AnMin

Space physics • Geodesy

- 2703 Solar and geomagnetic activity and seasonal dependence of global equatorial plasma bubbles based on GNSS observations ZHAO XiuKuan, LI GuoZhu, HU LianHuan, XIE HaiYong, SUN WenJie, LI Yi, NING BaiQi, LIU LiBo
- 2713 Improved GRACE constrained forward modeling and its application to the estimation of terrestrial water storage change in the Lake Nipigon JIAN GuangYu, XU Chuang, ZOU Fang, LI JinBo, YU HangTao
- 2726 Summer sea ice drift tracking and variation analysis in Fram Strait from 2011 to 2020 FANG Yan, WANG Xue, CHEN ZhuoQi, LI Gang, HUI FengMing, CHENG Xiao

Geodynamics • Seismology • Geomagnetism

- 2741 Coseismic and postseismic deformation of the 2001 $M_w7.8$ Kunlun Mountain earthquake and its loading effect on the 2021 $M_w7.3$ Madoi earthquake QU ChunYan, ZHAO DeZheng, SHAN XinJian, YUE Chong, CHEN Han, WU DongLin, LIU Lian, ZHANG GuoHong
- 2757 Mechanisms of the different senses of fault slip in the north and south segments of the Huya Fault zone, eastern

Tibetan Plateau: Constraints from numerical modeling ...

... LIU HaoQing, LI YuJiang, CHEN LianWang

- 2772 Triggering effect of historical earthquakes in the northern Tibetan Plateau on the Coulomb stress of the 2022 Menyuan $M_s6.9$ earthquake and subsequent earthquakes

... TANG DaWei, GE WeiPeng, YUAN DaoYang, ZHENG WenJun, HU CaiBo

- 2796 Fault geometry and slip characteristics revealed by the 2022 Menyuan earthquake sequence

... WAN YongGe, HUANG ShaoHua, WANG FuChang, XU YingCai, YU HaiLin

- 2811 Simulation of the seismic waves excited by frictional force and normal pressure couple of landslides

LI WenYing, ZHANG Yong, HUA SiBo, XU YueYi

- 2826 The aftershock sequences and seismogenic structure of the 2018 Taiwan Shoal $M_w5.7$ earthquake

..... TANG LanLan, WANG Sun, XU Li, LIU ShanHu, ZHANG YiFeng, YAO DaoPing

- 2843 Fine-layer structure of the upper mantle in the eastern Sino-Korean Craton: constrained by deep seismic sounding profile with the Democratic People's Republic of Korea nuclear explosion source ZHANG XiaoQing, Hans Thybo, Irina M. Artemieva, XU Tao, BAI ZhiMing

- 2860 Three-dimensional electrical conductivity structure in Northeast Yunnan, China LIANG Xuan,

TANG XinGong, YU JunHu, HU WenBao

- 2875 Preliminary study on data recorded by a 3D distributed acoustic sensing array in the Huainandeep underground laboratory BAO Feng, LIN RongBing,

ZHANG GongBo, LÜ Hao, CHEN XiaoDong,

ZHANG LiNa

- 2887 Thermal-hydraulic finite element simulation of temperature



- decrease process during hot dry rock exploitation: A case study in the Qiabuqia area, Gonghe Basin, Qinghai Province LIU HanQing, HU CaiBo, ZHAO GuiPing, SHI YaoLin
- 2903 Backtracking verification of machine learning earthquake early warning magnitude estimation and on-site threshold alarm for Menyuan M_{6.9} earthquake in Qinghai on January 8, 2022** SONG JinDong, ZHU JingBao, WEI YongXiang, LIU YanQiong, HE Bin, LI JiLong, LI ShanYou
- 2920 Areal-time seismic intensity prediction model based on multi-parameter driven machine learning** DING YiTian, HU JinJun, ZHANG Hui, JIN ChaoYue, HU Lei, WANG ZhongWei, TANG Chao
- 2933 Analysis of site amplification coefficient characteristics of Sichuan and its application in strong ground-motion simulation: A case study of 2022 Lushan M_s6.1 earthquake** FU Lei, XIE JunJu, CHEN Su, ZHANG Bin, ZHANG Xu, LI XiaoJun
- 2951 Application of noise HVSR method in OBS detection: A case study of OBS array off the Pearl River Estuary** XIONG Cheng, YE XiuWei, ZHANG YanXin, LÜ ZuoYong, WANG LiWei
- 2961 Thermal rheological structure analysis of crust and upper mantle in Sulawesi based on joint tomography of surface wave and gravity data** JIANG ChengHao, ZHANG Jian, LI ZhiWei, HAO TianYao, DONG Miao, FANG Gui
- 2973 The spherical cap harmonic model of lithospheric magnetic anomaly in Chinese region derived from CSES satellite data** WANG Jie, SHEN XuHui, YANG YanYan, Zeren Zhima, HUANG JianPing, ZHAO ShuFan, WANG Qiao, LU HengXin, GUO Feng
- 2983 Verification of the Arctic deep-sea magnetostratigraphy in enviromagnetic perspectives: A case study for sediment core ARC5-ICE4 on the Lomonosov Ridge** ZHANG Mao, LIU JianXing, ZOU QingChao,
- 2997 Semi-supervised seismic attenuation compensation method based on GRU dominated deep neural network** QI QianYu, GAO JingHuai, CHEN HongLing, GAO ZhaoQi, HUANG Yan, CHEN Juan, CAO YongLiang, WANG JianHua
- 3011 Inversion of Rayleigh wave dispersion curve via adaptive logarithmic Spiral-Lévy firefly algorithm** LIU GuoXin, SHEN HongYan, CHE Han, WANG Xin, LI QingChun, LI XinXin, ZHAO Jing
- 3026 Near surface S-wave velocity inversion based on cluster analysis of surface wave dispersion curve** SONG XinYue, LIU GuoChang, DU Jing, CHI Lin, WANG ZhiYong, SHI LanTing, WANG YiMeng, WANG XingYu
- 3048 Two-dimensional joint inversion of DC resistivity method and seismic traveltime tomography method based on the FCM cluster constraint** ... LIU JiaCheng, ZHANG ZhiYong, ZHOU Feng, LI Man, OU YuanWei, YANG Lei, YI Ke
- 3060 Microseismic target-oriented fractures staining reverse time migration in viscoelastic vertical transverse isotropic media** LIU YingChang, TANG Jie, GAO Xiang, SUN ChengYu
- 3076 Microseismic source location method based on convolutional denoising auto-encoder and softmax regression** FENG Qiang, PAN BaoZhi, HAN LiGuo
- 3086 Construction of machine learning data set for geophysical logging inversion** SHAO RongBo, SHI YanQing, ZHOU Jun, XIAO LiZhi, LIAO GuangZhi, HOU ShengLuan
- 3102 Efficient computation of nonlinear Born approximation of the LWD ultra-deep look ahead resistivity measurement using coupled potentials 3D finite-volume method and differential operator expansion** WANG YaZhou, WANG HongNian, KANG ZhuangZhuang, YIN ChangChun