



## 目 次

### 固体地球物理及空间物理学 (大气、行星、地球动力学、重磁电及地震学、地热学)

- 基于 WPA-CSF 的地面点云滤波方法研究 ..... 储栋,王磊,李靖宇,李忠,黄金中,李世保(1919)
- 基于 FY-4A AGRI 观测用随机森林算法反演地面雨量 ..... 官莉,钟宇璐(1931)
- 南太平洋副热带偶极子对中国气候影响的数值模拟 ..... 郭晨光,官元红,陆其峰,董冉(1939)
- 微古地磁取样装置 MPSD-300 开发及在华南铀矿研究中的初步应用 .....  
..... 黄宇豪,刘洋,刘士贤,葛坤朋,韩佰惠,任军博,王彦国,邓居智(1951)
- 基于支持向量机的星载 GNSS-R 土壤湿度反演方法 .....  
..... 李金超,张晖,马卫春,陈春晖,朱勇超,周艳,占媛(1960)
- 隐形日冕物质抛射研究进展 ..... 宋乔,叶茜,杨书红,赵新华,王劲松(1967)
- 雄安新区土地利用变化驱动生态系统服务时空变化及权衡/协同分析 .....  
..... 万虹麟,王凤春,李佳亮,张丽军,张薇,郭芳,章红(1978)
- 高温高压下岩石波速研究进展 ..... 张逸凌,刘雷,杜建国(1999)
- 基于 GEE 云平台的 2000—2022 年雄安新区生态质量动态评价 ..... 赵月,孟丹,丁凤,官辉力,李小娟(2023)

### 应用地球物理学 I (油气及金属矿产地球物理勘探)

- 四川盆地深层龙马溪组页岩各向异性声波实验研究 ..... 邓佳杰,熊健,刘向君,梁利喜,丁乙(2037)
- 人工智能地震数据重建方法现状分析 ..... 蒋润,李振春,孙小东(2047)
- 玛湖凹陷二叠系下乌尔禾组含浊沸石砾岩孔隙度、渗透率实验测量新方法 .....  
..... 靳军,鲁锋,王剑,周波,连丽霞,王鹏,江佳洋,谢礼科(2063)
- 基于不同尺度的储层裂缝建模方法对比 ..... 刘剑锋,王鹏,毛庆辉,桂志先(2071)
- 温度作用对岩石物理性质影响的实验研究:以四川盆地须家河组砂岩、龙马溪组页岩为例 .....  
..... 罗江,熊健,朱梦渊,刘向君,郑超,吴禹橙,周洋(2080)
- 水岩作用对层理性页岩声波传播特性实验研究 ..... 任建飞,刘向君,熊健,梁利喜,高可攀,张家伟(2094)
- 基于半监督对抗网络的地震相识别 ..... 硕良勋,赵云鹤,柴变芳,李增浩,吴恒(2105)
- 鄂尔多斯盆地志丹洛河区长 6 段低电阻率油层成因分析及识别方法研究 .....  
..... 孙欢,张小莉,周志杰,李亚军,杨振(2114)
- 一种陆相页岩油岩相测井定量识别方法 ..... 田瀚,闫伟林,武宏亮,闫学洪,李潮流,郑建东,冯周(2122)
- 基于解析信号变深度成像的磁源参数估计方法 ..... 田野,王彦国(2135)
- 基于三维 CT 重构的页岩裂缝定量表征及可压裂性评价 ..... 王飞,吴翔,段朝伟,韩雪,张永浩(2147)
- 基于 MultiResAttUnet 网络的二维地震断层自动识别方法研究 ..... 王莉利,杜功鑫,石颖,高新成(2160)
- 天然裂缝主导模式下泸州龙马溪组页岩水力压裂多尺度破裂特征 .....  
..... 文山师,尹陈,石学文,张洞君,韩福盛,熊财富(2172)



原油黏度对高孔高渗疏松砂岩核磁共振响应的研究 ..... 熊亭, 张伟, 崔维平, 薛卫锋, 李勤, 肖亮 (2182)

黏性介质叠前时间偏移技术在黄土塬地区的应用研究 .....  
..... 姚宗惠, 黄研, 张雅雯, 王永刚, 陈娟, 王大兴, 李斐 (2192)

叠前同时反演在泥页岩发育区识别含气储层的应用研究 .....  
..... 张栋, 李鹏飞, 李丛, 许军, 代磊, 倪云鹏, 张馨元 (2202)

基于多井 Walkaway VSP 资料的联合处理和综合研究——以陆东凹陷后河地区为例 .....  
..... 赵超峰, 张伟, 张铁强, 王海波, 田建涛, 任丽莹, 王洁 (2209)

砂岩油藏水淹过程中电阻率变化的实验模拟与规律分析 .....  
..... 赵军, 郑超, 林宗鹏, 何宣, 祁新中, 柳先远 (2219)

鄂尔多斯盆地中部延长组长 6 段低阻油层成因机理与测井识别 .....  
..... 钟高润, 任媛, 郭京哲, 李硕, 李亚军, 卢俊辉 (2230)

基于小波变换的大地电磁二维反演 ..... 朱云阳, 彭荣华, 胡祥云, 鲁杏 (2239)

### 应用地球物理学 II (海洋、工程、环境、仪器等)

基于 VAE-RefineNet 算法流程的 GPR 杂波抑制和目标成像 .....  
..... 戴前伟, 熊泽平, 丁浩, 雷建伟, 贺月, 雷轶 (2250)

三维跨孔电阻率 CT 观测电极序列优化及必然伪影分布规律总结 .....  
..... 付强, 李士强, 闫孝姮, 张文伟, 李艳红 (2263)

探地雷达高频电磁波在频散介质中的传播特征分析 ..... 李鹏宇, 王洪华, 王欲成, 吴祺铭 (2276)

基于 Mini-Sosie 震源后置编码技术的面波探测方法研究 ..... 李宇, 杨智, 王靖岐, 陶雪文 (2288)

基于 DSSA 的煤矿微震监测台站空间布局优化方法研究 ..... 罗浩, 杜浩, 潘一山, 朱彦飞, 马祥 (2303)

基于动态时间规整算法的三维叠后地震资料拼接方法 ..... 马振, 徐德奎, 丁洪波, 张金辉 (2312)

航空重力数据调平方法研究及应用 ..... 彭莉红, 孙栋华, 程莎莎, 张伟盟, 骆燕, 陈伟 (2326)

基于噪声辅助多元经验模态分解的海洋三分量磁测数据去噪方法 .....  
..... 袁常青, 杜劲松, 何水原, 胡正旺 (2336)

一种基于岩性补偿系数的沉积相约束反演方法及应用研究——以渤海湾盆地埕岛南部东营组为例  
..... 翟亮, 张强, 陈永芮, 梁书义, 张凯 (2350)

基于多线程通信的岛礁区海底工程环境安全监测系统研究 .....  
..... 朱新华, 孙智文, 陶善军, 马林伟, 马本俊, 刘雪芹, 赵杰臣 (2360)



( CONTENTS )

Research on ground point cloud filtering method based on WPA-CSF .....  
..... CHU Dong, WANG Lei, LI JingYu, LI Zhong, HUANG JinZhong, LI ShiBao (1919)

Retrieval of surface rainfall using random forest algorithm based on FY-4A AGRI observations .....  
..... GUAN Li, ZHONG YuLu (1931)

Numerical simulation of the influence of the South Pacific Ocean Dipole on climate in China .....  
..... GUO ChenGuang, GUAN YuanHong, LU QiFeng, DONG Ran (1939)

Development of the micro-paleomagnetic sampling device (MPSD-300) and its preliminary applications in  
uranium deposits in southern China .....  
..... HUANG YuHao, LIU Yang, LIU ShiXian, GE KunPeng, HAN BaiHui, REN JunBo, et al. (1951)

Spaceborne GNSS-R soil moisture inversion method based on support vector machine .....  
..... LI JinChao, ZHANG Hui, MA WeiChun, CHEN ChunHui, ZHU YongChao, et al. (1960)

Progress of stealth coronal mass ejections research .....  
..... SONG Qiao, YE Qian, YANG ShuHong, ZHAO XinHua, WANG JingSong (1967)

Analysis of spatiotemporal changes and trade-offs/synergies of ecosystem services driven by land use change  
in Xiong'an New Area .....  
..... WAN HongLin, WANG FengChun, LI JiaLiang, ZHANG LiJun, ZHANG Wei, et al. (1978)

Research progress of rock wave velocity under high temperature and high pressure .....  
..... ZHANG YiLing, LIU Lei, DU JianGuo (1999)

Dynamic assessment of ecological quality in Xiong'an New Area from 2000 to 2022 based on GEE platform  
.....  
..... ZHAO Yue, MENG Dan, DING Feng, GONG HuiLi, LI XiaoJuan (2023)

Anisotropy of shale in deep Longmaxi formation of Sichuan basin based on acoustic wave experiment .....  
..... DENG JiaJie, XIONG Jian, LIU XiangJun, LIANG LiXi, DING Yi (2037)

Recent research status of seismic data reconstruction by artificial intelligence methods .....  
..... JIANG Run, LI ZhenChun, SUN XiaoDong (2047)

New measurement method of porosity and permeability of laumontite bearing conglomerate of Permian lower  
Wuerhe formation in Mahu sag .....  
..... JIN Jun, LU Feng, WANG Jian, ZHOU Bo, LIAN LiXia, WANG Peng, JIANG JiaYang, et al. (2063)

Comparison of reservoir fracture modelling methods based on fracture scales .....  
..... LIU JianFeng, WANG Peng, MAO QingHui, GUI ZhiXian (2071)

Experimental study on the influence of temperature on rock physical properties: taking sandstone of Xujiahe  
formation and shale of Longmaxi formation in Sichuan basin as examples .....  
..... LUO Jiang, XIONG Jian, ZHU MengYuan, LIU XiangJun, ZHENG Chao, WU YuCheng, et al. (2080)

Experimental study on acoustic propagation characteristics of stratified shale by water-rock action .....  
..... REN JianFei, LIU XiangJun, XIONG Jian, LIANG LiXi, GAO KePan, ZHANG JiaWei (2094)

Semi-supervised adversarial network for seismic facies classification .....  
..... SHUO LiangXun, ZHAO YunHe, CHAI BianFang, LI ZengHao, WU Heng (2105)

Genetic analysis and identification method of Chang 6 low resistivity reservoir in Luohe Zhidan Area, Ordos  
Basin .....  
..... SUN Huan, ZHANG XiaoLi, ZHOU ZhiJie, LI YaJun, YANG Zhen (2114)

Logging quantitative identification method for lithofacies of continental shale oil .....  
..... TIAN Han, YAN WeiLin, WU HongLiang, YAN XueHong, LI ChaoLiu, et al. (2122)



Estimating magnetic source parameter using variable depth imaging method based on analytic signal amplitude ..... *TIAN Ye, WANG YanGuo* (2135)

CT scan-based quantitative characterization and fracability evaluation of fractures in shale reservoirs .....  
..... *WANG Fei, WU Xiang, DUAN ChaoWei, HAN Xue, ZHANG YongHao* (2147)

Research on automatic recognition method of 2D seismic fault based on MultiResAttUnet network .....  
..... *WANG LiLi, DU GongXin, SHI Ying, GAO XinCheng* (2160)

Multi-scale rupture characteristics dominated by pre-existing fractures of Longmaxi shale during hydraulic  
fracturing in Luzhou block ..... *WEN ShanShi, YIN Chen, SHI XueWen, ZHANG DongJun, et al.* (2172)

Studies on the effect of crude oil viscosity to NMR response in unconsolidated sandstones with high porosity  
and high permeability ..... *XIONG Ting, ZHANG Wei, CUI WeiPing, XUE WeiFeng, LI Qin, et al.* (2182)

Application of deabsorption prestack time migration in Loess Tableland .....  
..... *YAO ZongHui, HUANG Yan, ZHANG YaWen, WANG YongGang, CHEN Juan, et al.* (2192)

Application of pre-stack simultaneous inversion to identify gas-bearing reservoirs in shale-developed areas  
..... *ZHANG Dong, LI PengFei, LI Cong, XU Jun, DAI Lei, NI YunPeng, ZHANG XinYuan* (2202)

Multi well Walkaway VSP data acquisition and effect analysis in Houhe area of Ludong sag .....  
..... *ZHAO ChaoFeng, ZHANG Wei, ZHANG TieQiang, WANG HaiBo, TIAN JianTao, et al.* (2209)

Resistivity changes during flooding in sandstone reservoirs experimental simulation and regular analysis .....  
..... *ZHAO Jun, ZHENG Chao, LIN ZongPeng, HE Xuan, QI XinZhong, LIU XianYuan* (2219)

Genetic mechanism and logging identification of low resistivity oil reservoir in Chang 6 member of Yanchang  
Formation, Ordos Basin ..... *ZHONG GaoRun, REN Yuan, GUO JingZhe, LI Shuo, et al.* (2230)

Two-dimensional magnetotelluric inversion based on wavelet transform .....  
..... *ZHU YunYang, PENG RongHua, HU XiangYun, LU Xing* (2239)

Clutter suppression of GPR B-scan and target imaging based on VAE-RefineNet algorithm process .....  
..... *DAI QianWei, XIONG ZePing, DING Hao, LEI JianWei, HE Yue, LEI Yi* (2250)

Optimization of the observation electrode array and summary of the distribution law of inevitable artifacts  
for 3D cross-hole resistivity CT .....  
..... *FU Qiang, LI ShiQiang, YAN XiaoHeng, ZHANG WenWei, LI YanHong* (2263)

Analysis of GPR high-frequency electromagnetic wave propagation characteristic in dispersive media .....  
..... *LI PengYu, WANG HongHua, WANG YuCheng, WU QiMing* (2276)

Research on surface wave detection method based on Mini-Sosie source with post-encoding technique .....  
..... *LI Yu, YANG Zhi, WANG JingQi, TAO XueWen* (2288)

Optimization method of spatial layout of microseismic monitoring stations in coal mines based on DSSA .....  
..... *LUO Hao, DU Hao, PAN YiShan, ZHU YanFei, MA Xiang* (2303)

3D post stack seismic data splicing method based on dynamic time warping algorithm .....  
..... *MA Zhen, XU DeKui, DING HongBo, ZHANG JinHui* (2312)

Research and application of levelling techniques in airborne gravity data .....  
..... *PENG LiHong, SUN DongHua, CHENG ShaSha, ZHANG WeiMeng, LUO Yan, CHEN Wei* (2326)

Denoising method for three-component data of marine geomagnetic field survey based on noise assisted  
multivariate empirical mode decomposition .....  
..... *YUAN ChangQing, DU JinSong, HE ShuiYuan, HU ZhengWang* (2336)

Facies constrained inversion method and application based on lithology compensated coefficient; a case study  
of the southern part of Chengdao Oilfield in Bohai Bay Basin .....  
..... *ZHAI Liang, ZHANG Qiang, CHEN YongRui, LIANG ShuYi, ZHANG Kai* (2350)

Research on environmental safety monitoring system of submarine engineering in island reef area based on  
multi-thread communication ..... *ZHU XinHua, SUN ZhiWen, TAO ShanJun, MA LinWei, et al.* (2360)