



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 CloudSat CPR 和 GPM DPR 观测的热带和亚热带区域云高与降水参数的关系研究 王雯皎, 寇蕾蕾, 胡鹏 (501)

岁差的向量表述方法及其模型检核 张捍卫, 孙娜, 逯智翔 (514)

ShakeAlert 地震预警系统现状与性能分析 张嘉南, 宋晋东, 马强, 刘赫奕, 李山有 (522)

天然气输运管道引起的地震动信号水平研究 佟雷, 徐善辉, 赵彦波, 宋志鹏, 许卫卫 (540)

基于微动谱比法的雄安新区浅表层精细结构识别研究 杨立明, 王子威, 尹洪梅, 范翼帆, 张博, 田宝卿 (551)

基于 RMMoTCN-iTransformer 的地下水位预测与地震前兆异常检测 李名坤, 司冠南, 卢林楠, 刘庆豪, 郝海祥, 周凤余 (560)

基于时序 InSAR 技术的无底柱崩落采矿法地表沉降特征分析及覆盖层发展过程研究 陈雨农, 王权锋, 赵思为, 杨宁, 王惠芬 (576)

应用地球物理学 I (油气及金属矿产地球物理勘探)

过套管电阻率测井数据处理方法及应用 赵建鹏, 张胜强, 代保庆, 李冰心, 虞兵, 徐远征, 荣俊卿, 陈惠 (594)

深度学习在大地电磁反演中的应用进展 李雨航, 张冲, 严加永 (604)

基于点云分配策略的图空间最优输运弹性波自动微分全波形反演 文郑鑫, 唐杰, 高翔, 刘英昌 (617)

基于多尺度地震数据的高精度断裂识别方法及应用 任宪军, 彭嘉辉, 王帅东, 杨富财, 吴亚宁, 陈昊 (630)

沙漠地区复杂多次波压制方法应用研究 邵文潮 (646)

基于主成分分析的地震波形指示模拟反演方法 (PCA-SMI) 姜忠正, 陈井瑞, 沙旭光, 罗少辉, 唐馨, 许芸迪 (660)

利用广域电磁法监测 UGS 气体运移的数值模拟 陈韵, 刘得军, 李洋, 李宗冉, 巩致远 (673)

元素测、录井技术差异及其应用进展 刘粤蛟, 孙建孟, 郑雷清, 赖富强, 董旭, 王濡岳 (688)

基于注意力增强与重参数化双向特征金字塔网络的 YOLOv8 电成像储层类型识别方法 张家亮, 高楚桥, 赵彬 (704)



基于低场核磁共振技术的深煤层水锁伤害评价及解水锁剂优选研究 吴见, 王鹏, 黄凯, 罗伟疆, 王琛 (719)

基于区域分裂合并的频散曲线自动拾取方法研究 康娜, 李妍卿, 曹静杰 (732)

联合横向约束的压缩感知多道稀疏反演方法研究 杨墩, 叶树刚 (744)

基于 PSO-SVM 的 Q 区山西组致密砂岩储层物性参数预测方法研究 潘锦涛, 赵军龙, 刘军锋 (759)

尕斯库勒油田水淹层电性响应规律及水淹机理分析 章海宁, 梁晓宇, 陈文安, 李慧莹, 方朝强, 王青川, 边会媛 (771)

基于井控与 OVT 域的煤层气地震资料处理及应用 李国纬, 李晓斌, 李含笑, 温建亮, 何荟, 焦豪, 冯君爽 (781)

基于不平衡测度的轴储层非均质性评价 刘富强, 毛广振, 陈放, 陈虹, 陈晓冬, 黄松, 王进伟 (794)

基于空间反射结构约束的基追踪反演方法 冉志方, 李富民, 谷巍巍, 李国发 (813)

一般 TI 介质 Thomsen 参数模型的走时计算方法 徐子康, 黄光南, 张大雨, 李红星, 钟振伟 (823)

基于 HTI 介质 PSV 波反射系数的地震反演与预测 李勤, 朱智贤, 张敏 (834)

基于 DBSCAN 聚类分析的矿井瞬变电磁异常边界识别 郑航宙, 张继锋, 范涛, 刘强, 戚志鹏, 韩珊珊 (853)

基于优化混合共轭梯度法的弹性波最小二乘逆时偏移 邢文帅, 张凯, 李振春, 丁易, 徐夷鹏 (864)

约束分频反演在川东北砂岩和储层预测中的应用 韩璇颖 (876)

基于复数物理信息神经网络的一维大地电磁双参数正演 彭晨宇, 钟佩瑜, 王光杰, 肖调杰, 龚春叶, 赵佳佳, 刘杰 (887)

基于电阻率时移变化特征的离子型稀土矿山原地浸矿监测试验 司富豪, 闵刚, 张志豪, 舒荣波, 孙浥钦 (897)

滴西 X 井区石炭系火成岩储层岩性测井识别方法 徐耀东, 张浩, 房涛, 唐正东, 罗兴平, 韩学辉 (910)

双相-HTI 多孔介质二维弹性波数值模拟 王啟, 程冰洁, 徐天吉, 李银, 陈佳威 (929)

正交各向异性页岩地层弹性参数预测及其影响因素分析 桂俊川, 曾波, 荆晨, 黄浩勇, 崔帅, 钟光海 (940)

应用地球物理学 II (海洋、工程、环境、仪器等)

新型双频激电信号发送方法研究 付国红, 杨利娟, 程辉 (955)

四旋翼无人机垂直磁梯度探测系统的研制 邓国庆, 邹随安, 汪勇, 赵静 (967)



(CONTENTS)

Study on the relationship between cloud height and precipitation parameters in tropical and subtropical regions based on CloudSat CPR and GPM DPR measurements WANG WenJiao, KOU LeiLei, HU Peng (501)

Vector expression of precession and the checking of precession model ZHANG HanWei, SUN Na, LU ZhiXiang (514)

Operational assessment and performance evaluation of the shakealert earthquake early warning system ZHANG JiaNan, SONG JinDong, MA Qiang, LIU HeYi, LI ShanYou (522)

Study on the seismic signal levels induced by natural gas transportation pipelines TONG Lei, XU ShanHui, ZHAO YanBo, SONG ZhiPeng, XU WeiWei (540)

Research on the fine structure identification of shallow subsurface layers in Xiong'an New Area based on the microtremor spectral ratio method YANG LiMing, WANG ZiWei, YIN HongMei, FAN YiFan, ZHANG Bo, TIAN BaoQing (551)

Groundwater level forecasting and seismic precursor anomaly detection based on RMMoTCN-iTransformer LI MingShen, SI GuanNan, LU LinNan, LIU QingHao, HAO HaiXiang, ZHOU FengYu (560)

Study on surface subsidence characteristics and overburden development process of pillarless caving mining method based on time-series InSAR technology CHEN YuNong, WANG QuanFeng, ZHAO SiWei, YANG Ning, WANG HuiFen (576)

Data processing and application of resistivity logging after casing ZHAO JianPeng, ZHANG ShengQiang, DAI BaoQing, LI BingXin, YU Bing, et al. (594)

Progress in the application of deep learning in magnetotelluric inversion LI YuHang, ZHANG Chong, YAN JiaYong (604)

Graph space optimal transport automatic differentiation elastic full waveform inversion based on point cloud allocation strategy WEN ZhengXin, TANG Jie, GAO Xiang, LIU YingChang (617)

High-precision fracture identification method and application based on multi-scale seismic data REN XianJun, PENG JiaHui, WANG ShuaiDong, YANG FuCai, WU YaNing, CHEN Hao (630)

Application research of complex multiple suppression method in desert areas SHAO WenChao (646)

Principal component analysis-based seismic waveform indication inversion method (PCA-SMI) JIANG ZhongZheng, CHEN JingRui, SHA XuGuang, LUO ShaoHui, TANG Xin, XU YunDi (660)

Numerical simulation of monitoring UGS gas migration using wide-field electromagnetic method CHEN Yun, LIU DeJun, LI Yang, LI ZongRan, GONG ZhiYuan (673)

Technological differences and application advances of elemental wireline logging and mud logging LIU YueJiao, SUN JianMeng, ZHENG LeiQing, LAI FuQiang, DONG Xu, WANG RuYue (688)

Attention-enhanced RepBi-FPN YOLOv8 method for reservoir type identification in electrical imaging ZHANG JiaLiang, GAO ChuQiao, ZHAO Bin (704)

Research on the evaluation of deep coal seam water lock damage and optimization of water lock release agents based on low field nuclear magnetic resonance technology WU Jian, WANG Peng, HUANG Kai, LUO WeiJiang, WANG Chen (719)



Automatic picking of dispersion curves based on region splitting and merging method	KANG Na, LI YanQing, CAO JingJie	(732)
Research of multi-trace sparse inversion method with joint lateral constraints based on compressed sensing	YANG Tun, YE ShuGang	(744)
Research on petrophysical parameter prediction of tight sandstone reservoirs in the Shanxi Formation, Block Q based on PSO-SVM	PAN JinTao, ZHAO JunLong, LIU JunFeng	(759)
Electrical response law and water flooding mechanism analysis of water flooded layer in Gasikule Oilfield	ZHANG HaiNing, LIANG XiaoYu, CHEN WenAn, LI HuiYing, FANG ChaoQiang, et al.	(771)
Coalbed methane seismic data processing and application integrating well-constrained and OVT-domain technologies	LI GuoWei, LI XiaoBin, LI HanXiao, WEN JianLiang, HE Hui, JIAO Hao, et al.	(781)
Evaluation of uranium reservoir heterogeneity based on imbalance measurement	LIU FuQiang, MAO GuangZhen, CHEN Fang, CHEN Hong, CHEN XiaoDong, et al.	(794)
Basis pursuit inversion method based on spatial reflectivity structure constraints	RAN ZhiFang, LI FuMin, GU WeiWei, LI GuoFa	(813)
Calculation method for ray velocity in the general TI medium using Thomsen's parameter model	XU ZiKang, HUANG GuangNan, ZHANG DaYu, LI HongXing, ZHONG ZhenWei	(823)
Seismic inversion and prediction based on PSV wave reflection coefficients in HTI media	LI Qin, ZHU ZhiXian, ZHANG Min	(834)
Boundary identification of mine transient electromagnetic anomalies based on DBSCAN cluster analysis	ZHENG HangZhou, ZHANG JiFeng, FAN Tao, LIU Qiang, QI ZhiPeng, HAN ShanShan	(853)
Elastic wave least-squares reverse time migration based on optimized hybrid conjugate gradient method	XING WenShuai, ZHANG Kai, LI ZhenChun, DING Yi, XU YiPeng	(864)
Application of constrained frequency division inversion in sandstone and reservoir prediction in northeast Sichuan Basin	HAN XuanYing	(876)
Geomagnetic two parameter orthorectification based on complex physical information neural network	PENG ChenYu, ZHONG PeiYu, WANG GuangJie, XIAO TiaoJie, GONG ChunYe, et al.	(887)
Monitoring experiment of in-situ leaching in ion-type rare earth mines based on temporal variations in resistivity	SI FuHao, MIN Gang, ZHANG ZhiHao, SHU RongBo, SUN YiQin	(897)
Lithological logging identification method for carboniferous igneous rock reservoirs in the Dixi X well area	XU YaoDong, ZHANG Hao, FANG Tao, TANG ZhengDong, LUO XingPing, HAN XueHui	(910)
Two-dimensional elastic wave numerical simulation in dual-phase HTI porous media	WANG Qi, CHENG BingJie, XU TianJi, LI Yin, CHEN JiaWei	(929)
Elastic parameters predicting and its influencing factors analyzing in orthotropic shale formation	GUI JunChuan, ZENG Bo, JING Chen, HUANG HaoYong, CUI Shuai, ZHONG GuangHai	(940)
Research on new signal transmission method of Dual-Frequency Induced Polarization	FU GuoHong, YANG LiJuan, CHENG Hui	(955)
Development of vertical magnetic gradient detection system for four-rotor UAV	DENG GuoQing, ZOU SuiAn, WANG Yong, ZHAO Jing	(967)