

《中文核心期刊》

《中国学术期刊综合评价数据库》(CAJCED) 来源期刊

《中国科技论文统计源期刊》数据库来源期刊

《中文科技期刊数据库》来源期刊

《国家科技学术期刊开放平台》全文收录期刊

《万方数据-数字化期刊群》入网期刊

《中国期刊全文数据库》(CJFD) 全文收录期刊

《中国学术期刊(光盘版)》入编期刊

《中文电子期刊服务资料库》(CEPS) 收录期刊

美国《化学文摘》(CA) 来源期刊

俄罗斯《文摘杂志》(PЖ) 来源期刊

美国《地质光盘数据库》(GeoRef) 收录期刊

物探与化探

GEOPHYSICAL & GEOCHEMICAL EXPLORATION

双月刊 1979年2月创刊

Bimonthly, Started in 1979

2020年12月 第44卷 第6期

Vol.44 No.6 Dec., 2020

主管 中国地质调查局
主办 中国自然资源航空物探遥感中心
编辑 《物探与化探》编辑部
 地址:北京学院路29号航遥中心
 邮编:100083
 电话:(010)62060192;62060193
 传真:(010)62060193
 E-mail:whbjb@sina.com
<http://www.wutanyuhuatan.com>

主编 熊盛青
出版 地质出版社
 (北京学院路31号)
印刷 北京长宁印刷有限公司
总发行 北京市邮政局
国外发行 中国国际图书贸易总公司
 (北京399信箱)
 国外发行代号 BM5551

订 阅 全国各地邮局
广告许可证 京海工商广字第0333号

Superintended by China Geological Survey
Sponsored by China Aero Geophysical Survey and Remote Sensing Center for Natural Resources
Edited by Editorial Office of Geophysical and Geochemical Exploration
 Add:29 Xueyuan Road, Beijing 100083, China
 Tel:86-010-62060192/62060193
 Fax:86-010-62060193
 E-mail:whbjb@sina.com
 Web:<http://www.wutanyuhuatan.com>

Editor in Chief XIONG Sheng-Qing
Published by The Geological Publishing House
 (31 Xueyuan Road, Beijing 100083, China)
Printer Beijing Changning Printing Co. Ltd.
Distributor Beijing Post Office
Abroad Distributor China International Book Trading Corporation
Subscription Hander Local Post Offices of China

地质调查·资源勘查

- 云南个旧老厂矿田东部大比例尺构造地球化学特征及找矿预测 黄大正, 陈守余, 赵江南, 等 (1261)
- OBS 在琼东南海域水合物矿体识别中的应用 徐云霞, 文鹏飞, 张宝金, 等 (1276)
- 综合物探方法在上杭盆地古石背地区铀矿勘查中的应用 李英宾, 谢明宏, 张占彬, 等 (1283)
- 湘西北岩溶石山缺水地区直流电法找水实例 李望明, 易强, 刘声凯, 等 (1294)
- 薄壁断裂峪河口至方庄段电性结构特征 杨利普, 徐志萍, 徐顺强, 等 (1301)
- EM 聚类方法在岩性复杂区水系沉积物地球化学异常圈定中的应用 孙尧尧, 郝立波, 赵新运, 等 (1306)
- 综合物探方法在湖南香花岭矿田三合圩矿区深部成矿规律研究中的应用 屈利军, 王庆, 李波, 等 (1313)
- 二维地震勘探在大庆长垣南端砂岩型铀矿勘查中的应用 梁建刚, 杨为民, 孙大鹏, 等 (1322)
- 基追踪弹性阻抗反演识别含气砂岩 郝亚炬, 高君 (1329)
- 基于 TK 能量的峰值频率在沉积旋回划分中的应用 贺文, 蔡加铭, 宋志华, 等 (1336)
- 微动勘查技术在地热勘探中的应用 董耀, 李光辉, 高鹏举, 等 (1345)
- 电阻率层析成像在沉积区隐伏断层探测中的应用 高武平, 闫成国, 张文朋, 等 (1352)

方法研究·信息处理·仪器研制

- 不同高度重力数据和井中重力数据融合反演研究 高秀鹤, 熊盛青, 于长春, 等 (1361)
- 基于优化交错网格有限差分法的 VSP 逆时偏移 刘炜, 王彦春, 毕臣臣, 等 (1368)
- 基于优选地震属性与 PSO-BP 模型的煤层含气量预测 臧子婧, 吴海波, 丁海, 等 (1381)
- 基于矢量有限元的大地电磁快速三维正演研究 顾观文, 武晔, 石砚斌 (1387)
- DEM 网格间距对重力远区地改精度的影响及效果 李忠平, 戴广凯, 张茂辉 (1399)
- CORS 系统在航空重力测量地面 GNSS 基站解算中的应用 陈浩, 张文志, 舒晴, 等 (1408)
- 瞬变电磁的逆时偏移成像方法 陈紫静, 陈清礼 (1415)
- 地球化学数据含量—面积多重分形方法中台阶效应的处理方法 韩登辉, 高顺宝, 郑有业, 等 (1420)
- 基于随机森林算法的砂土液化预测方法 彭刘亚, 解惠婷, 冯伟栋 (1429)
- 氧化燃烧—气相色谱法测定土壤中的有机碳含量 胡梦颖, 徐进力, 朱颖涛, 等 (1435)
- 深层天然气扩散系数模拟实验装置的研制 卢丽, 王国建, 朱怀平, 等 (1441)

生态环境调查

- 山东省安丘地区农业土壤重金属元素地球化学特征及环境评价 赵秀芳, 张永帅, 冯爱平, 等 (1446)
- 临夏地区农用地等级综合评价方法 冯备战, 吴永强, 刘文辉, 等 (1455)

工程勘查

- 综合物探方法在嘉祥县青山省级地质公园溶洞勘察中的应用效果 孟庆旺 (1464)
- 等值反磁通瞬变电磁法在公路隧道塌陷区的探测应用 刘杰, 段炜, 王俊, 等 (1470)
- 探地雷达在黄土地区城市地质管线探测中的应用 韩佳明, 仲鑫, 景帅, 等 (1476)
- 地下电缆的探地雷达图像特征与识别技术 李靖翔, 赵明, 赖皓, 等 (1482)
- 数字全景钻孔摄像技术在文物遗址保护工程中的应用 石春娟, 翟慧明 (1490)

- 《物探与化探》2020 年总目录 (1495)

Large scale tectonic geochemical characteristics and prospecting prediction in eastern Laochang orefield, Gejiu, Yunnan Province	HUANG Da-Zheng, CHEN Shou-Yu, ZHAO Jiang-Nan, et al (1261)
The application of OBS to the identification of hydrate in Qiongdongnan (southern Hainan) sea area	XU Yun-Xia, WEN Peng-Fei, ZHANG Bao-Jin, et al (1276)
The application of comprehensive geophysical method to the exploration of uranium deposits in the paleo-Shibei area of Shanghang Basin	LI Ying-Bin, XIE Ming-Hong, ZHANG Zhan-Bin, et al (1283)
An example of DC method for water exploration in the karst mountain water shortage area of northwest Hunan	LI Wang-Ming, YI Qiang, LIU Sheng-Kai, et al (1294)
Characteristics of the electrical structure in the southern segment of Baobi fault	YANG Li-Pu, XU Zhi-Ping, XU Shun-Qiang, et al (1301)
The application of EM clustering method to the determination of stream sediment geochemical anomalies in areas with variable lithologie	SUN Yao-Yao, HAO Li-Bo, ZHAO Xin-Yun, et al (1306)
The application of multiple geophysical methods to the study of deep metallogenic regularity in the Sanhexu mining area, the Xianghualing orefield, Hunan Province	QU Li-Jun, WANG Qing, LI Bo, et al (1313)
The application of 2D seismic exploration to the exploration of sandstone type uranium deposits at the southern end of Daqing placanticline	LIANG Jian-Gang, YANG Wei-Min, SUN Da-Peng, et al (1322)
Gas sand prediction using basis pursuit elastic impedance inversion	HAO Ya-Ju, GAO Jun (1329)
Sedimentary cycle division using peak frequency of time-frequency Teager-Kaiser energy	HE Wen, CAI Jia-Ming, SONG Zhi-Hua, et al (1336)
The application of fretting exploration technology in the exploration of middle and deep clean energy	DONG Yao, LI Guang-Hui, GAO Peng-Ju, et al (1345)
The application of high density electrical method to concealed fault detection in sedimentary plain	GAO Wu-Pin, YAN Cheng-Guo, ZHANG Wen-Peng, et al (1352)
A study of joint inversion of gravity data from multi-planes and boreholes	GAO Xiu-He, XIONG Sheng-Qing, YU Chang-Chun, et al (1361)
Reverse time migration of VSP data based on the optimal staggered-grid finite-difference method	LIU Wei, WANG Yan-Chun, BI Chen-Chen, et al (1368)
Prediction of coalbed methane content based on preferred seismic attributes and PSO-BP model	ZANG Zi-Jing, WU Hai-Bo, DING Hai, et al (1381)
Research on fast three-dimensional forward algorithm of magnetotelluric sounding based on vector finite element	GU Guan-Wen, WU Ye, SHI Yan-Bin (1387)
The impact and effect of DEM grid spacing on the accuracy of gravity remote topographic correction	LI Zhong-Ping, DAI Guang-Kai, ZHANG Mao-Hui (1399)
The application of the CORS system to ground GNSS base station calculation in airborne gravimetry	CHEN Hao, ZHANG Wen-Zhi, SHU Qing, et al (1408)
Transient electromagnetic inverse time migration imaging method	CHEN Zi-Jing, CHEN Qing-Li (1415)
A processing technique of step effect in concentration-area multifractal method	HAN Deng-Hui, GAO Shun-Bao, ZHENG You-Ye, et al (1420)
The method of predict sand liquefaction based on random forest algorithm	PENG Liu-Ya, XIE Hui-Ting, FENG Wei-Dong (1429)
A method for determination of total organic carbon in soil by oxidative combustion and gas chromatography	HU Meng-Ying, XU Jin-Li, ZHU Ying-Tao, et al (1435)
The development of an experimental measuring apparatus for simulating the diffusion coefficient of naturalgas in depth	LU Li, WANG Guo-Jian, ZHU Huai-Ping, et al (1441)
Geochemical characteristics and environmental assessment of heavy metal elements in agricultural soil of Anqiu area, Shandong Province	ZHAO Xiu-Fang, ZHANG Yong-Shuai, FENG Ai-Ping, et al (1446)
A discussion on the comprehensive evaluation method of agricultural land grade in Linxia region	FENG Bei-Zhan, WU Yong-Qiang, LIU Wen-Hui, et al (1455)
The application effect of comprehensive geophysical method in karst cave investigation of Qingshan Provincial Geopark in Jiexiang County	MENG Qing-Wang (1464)
The application of opposing coils transient electromagnetic method to the detection of underground collapse in highway tunnel under construction	LIU Jie, DUAN Wei, WANG Jun, et al (1470)
The application of geological radar to urban geological pipeline detection in the loess area	HAN Jia-Ming, ZHONG Xin, JING Shuai, et al (1476)
Imaging detection and recognition technology of underground cable based on ground penetrating radar	LI Jing-Xiang, ZHAO Ming, LAI Hao, et al (1482)
The application of digital panoramic borehole camera technique to the protection engineering of cultural relics sites	SHI Chun-Juan, ZHAI Hui-Ming (1490)