

《中文核心期刊要目总览》入编期刊

《中国科技论文统计源期刊》数据库来源期刊

《中国学术期刊综合评价数据库》(CAJCED)来源期刊

《中国期刊全文数据库》(CJFD)全文收录期刊

《中国科学引文数据库》(CSCD)来源期刊

《中文科技期刊数据库》来源期刊

《万方数据-数字化期刊群》入网期刊

《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

主编 熊盛青

责任编辑 沈效群

主管 国土资源部

主办 中国国土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31号航遥中心

邮编:100083

电话:(010)62060192;62060193

传真:(010)62060193

E-mail:whthjb@sina.com

http://www.wutanyuhuatan.com

出版 地质出版社

印刷 北京长宁印刷有限公司

国内总发行 北京市邮政局

国外总发行 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 证 京海工商广字第0333号

刊 名 题 字 孙大光

封面照片供稿 沈效群

资源勘查

内蒙古霍各乞铜多金属矿床原生晕地球化学特征及深部成矿远景评价

..... 刘雪敏,陈岳龙,李大鹏,等 (1)

大地电磁测深在桂中坳陷油气勘探中的应用 李爱勇,柳建新,朱春生,等 (8)

非地震方法在内蒙古地区乌兰盖盆地的应用 袁永真,孟小红,钟清,等 (13)

含有不整合面的钻井剖面中酸解烃的垂向分布规律

..... 王振平,王清洋,陈秀营 (19)

全方位激电测井在老挝华潘铜铁多金属矿勘查中的应用

..... 徐新学,李荣光,孙磊,等 (23)

区域地质调查

长江中下游地区1:20万金元素不同尺度数据的地球化学特征响应

..... 徐善法,王学求,张必敏,等 (27)

基于GIS的线性构造异常和裂缝综合分析 王京,曹代勇,赵珍梅,等 (33)

内蒙古地质地球化学分区及地球化学成矿预测 兰强,赵元湜,冷福荣 (39)

区域重力调查中正常重力公式对比 杨亚斌,韩革命 (45)

汶川地震断裂带科学钻探工程2号孔350~800m井段的钻探泥浆气体

组分变化 刘舒波,唐力君,孙青,等 (48)

卫星重力测量的应用进展 徐海军,张永志,段虎荣,等 (54)

方法技术研究

剩余视纵向电导比定义——TEM新导出参数 ΔS_v^n 及一维直接反演特性

..... 蒋邦远 (59)

高温超导磁强计在电偶源瞬变电磁法中的应用 陈晓东,赵毅,林天亮,等 (65)

高密度电阻率法在四川高川茶园沟滑坡勘察中的应用

..... 程庆,庾先国,葛宝,等 (69)

储层岩石流动电位的电化学影响因素 于华,关继腾,程媛媛 (73)

震源及电缆沉放深度对海上地震资料的影响 钟明睿,朱江梅,杨薇,等 (78)

核磁测井资料在复杂储层评价中的应用效果

..... 李静叶,王祝文,刘菁华,等 (84)

大回线源瞬变电磁接收装置的改进 周楠楠,薛国强,苏艳萍 (89)

地层切片穿时现象对地震属性的影响 王学习,毕建军,王利功,等 (94)

新型矿井多波多分量地震反射波观测系统的设计 李云波,吴燕清 (99)

基于数字高程模型因子分析的地球化学异常提取

..... 石文杰,魏俊浩,张德才,等 (103)

生态环境地质调查

江西省鄱阳湖流域根系土硒形态分析及其迁移富集规律

..... 魏然,侯青叶,杨忠芳,等 (109)

CO₂地质储存的地震监测 由荣军,李德春,武俊文 (114)

计算技术与信息处理

基于GPU的任意三维复杂形体重磁异常快速计算

..... 陈召曦,孟小红,刘国峰,等 (117)

高阶统计量在探地雷达数据处理中的应用 谢尚平,张阔 (122)

Tilt-Euler方法在位场数据处理及解释中的应用 王明,郭志宏,骆遥,等 (126)

波波夫平差法的VB实现及Surfer自动绘图 赵文举,周志杰,赵荔 (133)

向上延拓对斜导数方法处理航磁异常的影响 郭华,王明,谢汝宽,等 (137)

工程勘察

声波检测穿透信号波形变化规律和量化的探讨

..... 吴庆曾,李洪涛,杨进平 (144)

单孔声波测试及其工程应用应注意的几个问题 陈益杰,程光贵 (149)

对提高TGP隧道地质预报系统准确性的分析 王晓川,康勇,夏彬伟 (153)

CONTENTS

Primary Halo Geochemical Characteristics and Deep Metallogenic Prospect Evaluation of the Huogeqi Copper Polymetallic Deposit, Inner Mongolia	<i>Liu xuemin, Chen yuelong, Li dapeng, et al</i>	(1)
The Application of Magnetotelluric Sounding to Oil and Gas Exploration in Central Guangxi Depression	<i>Li aiyong, Liu jianxin, Zhu chunsheng, et al</i>	(8)
The Application of Non-Seismic Geophysical Methods to Ulgoin Basin in Inner Mongolia	<i>Yuan yongzhen, Mong xiaohong, Zhong qing, et al</i>	(13)
Vertical Distribution of Acidolysis Hydrocarbon in Well Log with Unconformity	<i>Wang zhenping, Yin qingyang, Chen xiuying</i>	(19)
The Application of Comprehensive 5-Direction IP Logging to the Exploration of a Copper Iron Polymetallic Deposit in Houa Phan Province, Laos	<i>Xu xinxe, Li rongguang, Sun lei, et al</i>	(23)
Geochemical Characteristics Response of Different Scales of Data; A Case Study of Gold Element from 1: 200000 Regional Data of Middle-Lower Reaches of the Yangtze River	<i>Xu shanfa, Wang xueqiu, Zhang bimin, et al</i>	(27)
A Comprehensive Analysis of Linear Structure Anomalies and Cracks Based on GIS	<i>Wang jing, Cao daiyong, Zhao zhenmei, et al</i>	(33)
Geological-Geochemical Division and Geochemical Metallogenic Prognosis in Inner Mongolia	<i>Lan qiang, Zhao yuanhao, Leng furong</i>	(39)
A Comparison Study of Normal Gravity Formulae in Regional Gravitational Survey	<i>Yang yabin, Han geming</i>	(45)
Variation of Drilling Mud Gas Components at 350 ~ 800 m Interval of No. 2 Borehole of Scientific Drilling for Wenchuan Seismic Faulted Zone	<i>Liu shubo, Tang lijun, Sun qing, et al</i>	(48)
The Progress in the Application of Satellite Gravity Survey	<i>Xu haijun, Zhang yongzhi, Duan hurong, et al</i>	(54)
Defintion of Residual Longitudinal Conductivity Ratio——New Derived Parameter in TEM and 1D Inversion Characters	<i>Jiang bangyuan</i>	(59)
The Application of HTc Squid Magnetometer to Lotem	<i>Chen xiaodong, Zhao yi, Lin tianliang, et al</i>	(65)
The Application of the High-Density Electrical Method to the Survey of Chayuangou Landslide in Gaochuan, Sichuan Province	<i>Cheng qing, Tuo xianguo, Ge bao, et al</i>	(69)
A Study of the Influences of Electrochemical Factor on Streaming Potential in Reservoir Rock	<i>Yu hua, Guan jiteng, Cheng yuanyuan</i>	(73)
The Impact of Seismic Source and Cable Sinking Depth on Marine Seismic Data	<i>Zhong mingrui, Zhu jiangmei, Yang wei, et al</i>	(78)
The Application of NMR Logging in Complex Formation Evaluation	<i>Li jingye, Wang zhuen, Liu jinghua, et al</i>	(84)
The Improvement of the Giant Loop Transient Electromagnetic Receiving Device	<i>Zhou nannan, Xue guoqiang, Su yanping</i>	(89)
The Impact of Time-Crossing of Strata Slice on Seismic Attributes	<i>Wang xuexi, Bi jianjun, Wang ligong, et al</i>	(94)
Study and Design of a New Multi-Wave and Multi-Component Seismic Exploration System in Mine	<i>Li yunbo, Wu yanqing</i>	(99)
Geochemical Anomaly Extraction Using Factor Analysis Method Based on Mapgis Digital Elevation Model	<i>Shi wenjie, Wei junhao, Zhang decai, et al</i>	(103)
An Analysis of Speciation of Selenium as Well as Its Transformation and Enrichment in Root Soil of Poyang Lake Basin, Jiangxi Province	<i>Wei ran, Hou qingye, Yang zhongfang, et al</i>	(109)
A Preliminary Study of Seismic Monitoring in CO ₂ Geological Storage	<i>You rongjun, Li dechun, Wu junwen</i>	(114)
The GPU-Based Parallel Calculation of Gravity and Magnetic Anomalies for 3D Arbitrary Bodies	<i>Chen zhaoxi, Meng xiaohong, Liu guofeng, et al</i>	(117)
An Analysis of the Effect of the GPR Data Processing in High-Order Statistics	<i>Xie shangping, Zhang kuo</i>	(122)
The Application of Tilt-Euler Deconvolution Method to Potential Field Data Processing and Interpretation	<i>Wang ming, Guo zhihong, Luo yao, et al</i>	(126)
Popov Adjustment Implementation with VB and Automatic Plotting with Software Surfer	<i>Zhao wenju, Zhou zhijie, Zhao li</i>	(133)
The Effects of the Upward Continuation on the Application of Tilt Derivative Method to Aeromagnetic Data Processing	<i>Guo hua, Wang ming, Xie rukuan, et al</i>	(137)
Discussion on the Variation and Quantification of Penetrating Signal Waveform in Acoustic Wave Detection	<i>Wu qingzeng, Li hongtao, Yang jinping</i>	(144)
Several Problems in Borehole Acoustic Testing and Its Engineering Application	<i>Chen yijie, Cheng guanggui</i>	(149)
An Analysis of Accuracy Improvement for TGP Tunnel Geological Prediction System	<i>Wang xiaochuan, Kang Yong, Xia binwei</i>	(153)