

中国科技核心期刊

ISSN 1674-1803  
CN 10-1364/TD

# 中国煤炭地质

## COAL GEOLOGY OF CHINA

国务院国有资产监督管理委员会 主管  
中国煤炭地质总局 主办

中国煤炭地质

二〇二二年

第三十四卷

第四期

(总第二八〇期)



# 4

## 2022

第34卷 第4期



## 目 次

### · 煤田地质 ·

- 新疆拜城县众维煤矿煤层瓦斯赋存特征分析····· 熊昌银, 杨仁涛, 沈宝存, 文谟云, 余争辉 (1)  
“双碳”背景下煤炭原位地下热解采油意义研究····· 马 丽, 段中会, 杨 甫, 付德亮, 王振东 (5)  
双碳目标下我国西部地区地下煤火探测技术研究进展····· 贺 强 (8)  
“东数西算”战略背景下煤炭行业智能矿山建设存在的问题与对策·····  
····· 丁 恋, 任 辉, 孙 杰, 杨昊睿 (14)

### · 非煤地质 ·

- 辽东湾拗陷旅大 xx 构造沙四段储层物性主控因素分析 ····· 胡逸飞, 朱占平, 宋土顺, 丁建凯 (19)  
丰县师砬拗陷石盐矿床成矿特征探讨····· 顾扣泉 (27)

### · 非常规能源地质 ·

- 苏北盆地东台拗陷碳酸盐岩热储层特征研究与评价····· 鲁 辉 (32)  
南通市主城区浅层地热能热物性参数测试及资源量评价·····  
····· 范冠宇, 张建忙, 郭 华, 胡 颖, 倪江河 (39)

### · 水文地质 · 工程地质 ·

- 青海高原高寒地区生态环境修复治理中的水系连通技术····· 杨 创, 王 佟, 李聪聪, 赵 欣 (46)  
大体积人工阻水墙体在治理老空水中的应用····· 秦立涛, 杨 猛, 韩 暖 (52)  
基于相似材料模拟法的煤层开采对断层影响评价····· 周 科 (57)  
逆作法施工技术 in 建筑工程中的应用····· 史朝立 (63)

### · 物探 · 钻探 ·

- 基于 AB- $E_y$  方式频率域电磁测深的可行性研究 ····· 宋利虎, 罗国平, 刘镜竹 (69)  
三维地震勘探炮检点可视化快速校准系统研究····· 王利强 (75)  
钻孔瓦斯密闭保压取心器研制及应用····· 俱养社, 马峰良, 华 立 (79)

# CONTENTS

## COAL GEOLOGY

- Coal Seam Gas Hosting Features Analysis in Zhongwei Coalmine, Bay County, Xinjiang ..... Xiong Changyin, Yang Rentao, Shen Baocun, Wen Moyun and She Zhenghui ( 1 )
- Study on the Significance of Coal In-situ Underground Pyrolytic Oil Production under Carbon Peaking and Carbon Neutrality Background ..... Ma Li, Duan Zhonghui, Yang Fu, Fu Deliang and Wang Zhendong ( 5 )
- Research Progress of Underground Coal Fire Detection Technology in Western China under Carbon Peaking and Carbon Neutrality Goals..... He Qiang ( 8 )
- Issues Existed and Countermeasures in Coal Industries' Intelligent Mine Construction under "Eastern China's Data Processing Relying on Western China's Potential of Computation" Strategic Background ..... Ding Lian, Ren Hui, Sun Jie and Yang Haorui ( 14 )

## NON-COAL GEOLOGY

- Lüda XX Structure Shahejie Formation Forth Member Reservoir Physical Property Main Controlling Factor Analysis in Liaodongwan Depression ..... Hu Yifei, Zhu Zhanping, Song Tushun and Ding Jiankai ( 19 )
- Probe into Halite Deposit Ore-forming Features in Shizhai Depression, Fengxian County ..... Gu Kouquan ( 27 )

## UNCONVENTIONAL RESOURCE GEOLOGY

- Dongtai Depression Carbonate Rock Geothermal Reservoir Features Research and Assessment in North Jiangsu Basin ..... Lu Hui ( 32 )
- Shallow Geothermal Energy Thermophysical Parameters Testing and Resource Evaluation in Main Urban Area of Nantong City ..... Fan Guanyu, Zhang Jianmang, Guo Hua, Hu Ying and Ni Jianghe ( 39 )

## HYDROGEOLOGY,ENGINEERING GEOLOGY

- Hydrographic Net Connection Technology in Qinghai Plateau Frigid Zone Entironmental Rehabilitation Governance ..... Yang Chuang, Wang Tong, Li Congcong and Zhao Xin ( 46 )
- Application of Large Volume Artificial Water Blocking Wall in Gob Water Governance ..... Qin Litao, Yang Meng and Han Nuan ( 52 )
- Assessment of Impact on Fault from Coal Seam Extraction Based on Similar Material Simulation Method..... Zhou Ke ( 57 )
- Application of Reverse Construction Technology in Building Engineering..... Shi Chaoli ( 63 )

## GEOPHYSICAL EXPLORATION,DRILLING

- Feasibility of Electromagnetic Sounding based on AB- $E_y$  Array in Frequency Domain ..... Song Lihu, Luo Guoping and Liu Jingzhu ( 69 )
- Study on 3D Seismic Prospecting Shotpoint and Geophone Station Visualized, Fast Calibration System ..... Wang Liqiang ( 75 )
- Development and Application of Borehole Gas Airtight Pressurized Corer..... Ju Yangshe, Ma Fengliang and Hua Li ( 79 )