

8-25-2019

## Table of Contents

The Editors

Follow this and additional works at: <https://cge.researchcommons.org/journal>



Part of the [Earth Sciences Commons](#), [Mining Engineering Commons](#), [Oil, Gas, and Energy Commons](#), and the [Sustainability Commons](#)

---

### Recommended Citation

T. (2019) "Table of Contents," *Coal Geology & Exploration*: Vol. 47: Iss. 4, Article 1.  
Available at: <https://cge.researchcommons.org/journal/vol47/iss4/1>

This Table of Contents is brought to you for free and open access by Coal Geology & Exploration. It has been accepted for inclusion in Coal Geology & Exploration by an authorized editor of Coal Geology & Exploration. For more information, please contact [380940179@qq.com](mailto:380940179@qq.com).



# 煤田地质与勘探

MEITIANDIZHI YU KANTAN

2019 年第 4 期

(双月刊 1973 年创刊)

第 47 卷 总 274 期

## 目 次

### ·国家科技重大专项成果及应用·

- 煤矿井下长钻孔煤层瓦斯含量精准测试技术及装置 ..... 孙四清, 张 群, 龙威成, 郑凯歌, 黑 磊 (1)
- 碎软低渗煤层煤层气直井间接压裂技术及应用实践 ..... 周加佳 (6)
- 吸附-解吸状态下煤层气运移机制 ..... 刘永茜, 张书林, 舒龙勇 (12)
- 贵州对江南井田煤层气地质特征及高效开发技术 ..... 巩泽文 (19)
- 基于煤矿“先抽后建”及资源开发的煤层气地面井位抽采部署研究及应用 ..... 王 晶, 姚团琪, 程 斌 (28)
- 晋城矿区王坡井田地面瓦斯抽采效果影响因素 ..... 杜志强 (33)

### ·煤田地质 矿井地质·

- 基于 NMR 技术的超声波频率对煤体激励致裂效果的影响 ..... 马会腾, 翟 成, 徐吉钊, 孙 勇 (38)
- 中国煤型铀地质-地球化学研究进展 ..... 周贤青, 秦 勇, 陆 鹿 (45)
- 柴北缘东部北大滩地区中侏罗统石门沟组控煤因素 ..... 彭明鸿, 田景春, 张 翔, 陈 磊, 曾建强, 王素英 (54)
- 岩浆侵入煤层中锑的赋存特征——以淮北卧龙湖矿为例 ..... 欧金萍, 郑刘根, 魏祥平, 刘思魁, 李立园, 刘 梦, 黄晓雨 (63)

### ·煤层气 页岩气·

- 煤层气流压回升型不正常井储层伤害机理与治理 ..... 贾慧敏, 胡秋嘉, 祁空军, 覃蒙扶, 毛崇昊, 张光波 (69)
- 沁水盆地柿庄区块煤层气井压裂增产效果关键影响因素分析与实践 ..... 薛海飞, 朱光辉, 王 伟, 陆小霞, 王明昊, 王延斌 (76)
- 渭北区块煤层气井抽油杆腐蚀影响因素 ..... 庞 斌, 王旱祥, 兰文剑 (82)
- 福建二叠系中统文笔山组页岩气储层条件分析 ..... 陈泉霖 (88)
- 湘中与湘东南岩关阶组和龙潭组页岩气潜力 ..... 曹涛涛, 邓 模, 刘 虎, 黄俨然, HURSTHOUSE Andrew Stefan (94)

### ·水文地质 环境地质 工程地质·

- 基于顶板水预疏放的首采工作面涌水规律 ..... 李永涛, 杨 建 (104)
- 孤岛工作面底板破坏深度微震测试与模拟分析 ..... 赵春虎 (110)
- 磁处理对注浆用黏土浆液的改性作用 ..... 薛卫峰, 王苏健, 邓增社, 黄克军, 韩 磊, 冀瑞君, 梁少剑 (117)
- 斜支撑支护基坑与相邻地下室有限土体土压力反演分析 ..... 张国茂, 彭文祥 (124)
- 高填方对红黏土地基力学性质影响及坡体稳定性 ..... 高盛翔, 徐 强, 马洪玉, 吴圣林, 吴 康, 刘 鹏, 吴泽辉 (131)
- 内摩擦角对冻融岩石损伤本构模型的影响探讨 ..... 袁 超, 张慧梅, 孟祥振, 杨更社, 吴禄源 (138)
- 采动影响下逆断层活化规律的数值模拟 ..... 闵飞虎, 向必伟, 刘 辉, 朱晓峻 (144)
- 不同含水率砂岩单轴压缩力学特性及波速法损伤 ..... 段天柱, 任亚平 (153)

### ·煤田物探·

- 地震勘探技术在煤系非常规气富集区预测中的应用 ..... 王树威 (159)
- 一种基于压缩感知的随机噪声压制方法 ..... 杨连刚, 李凌云, 杨玉梅, 屈元基, 闫 柯 (165)
- 定源回线 TEM 数据的约束反演方法及应用效果 ..... 侯彦威, 姚伟华 (172)
- 基于图像融合和改进阈值的管道机器人探测图像增强方法 ..... 袁明道, 谭 彩, 李 阳, 徐云乾, 张旭辉, 杨静学 (178)
- 基于克希霍夫偏移的槽波超前探测方法及应用 ..... 赵云佩, 王 伟, 侯献华 (186)
- TSP 探测精度分析及其在过江隧洞超前预报中的应用 ..... 李俊杰, 张红纲, 何建设, 荣 鑫, 李剑强, 郭佳豪 (193)

### ·探矿工程·

- 废弃水基钻井液低温干燥处理实验研究及经济性评价 ..... 李之军, 刘徐三, 王 波, 赵 威 (201)
- 海底钻机的高可靠绳索取心钻具的结构优化与仿真分析 ..... 王佳亮, 彭奋飞, 万步炎, 周 云 (206)
- 塔里木盆地深部煤层失稳机理及防塌钻井液技术 ..... 李 恒, 何世明, 汤 明, 李 宁, 杨 沛, 张 震 (212)

### ·综合信息·

- 煤炭国家规划矿区管理及与煤炭矿区辨析 ..... 王祥生, 王 猛, 刘敬春 (219)

期刊基本参数: CN 61-1155/P\*1973\*b\*A4\*222\*zh\*P\*¥40.00\*1350\*33\*2019-08 本期执行编辑: 范章群

2019 年 8 月 25 日出版


公开发行人

邮发代号: 52-14

国内定价: 40.00 元



# COAL GEOLOGY & EXPLORATION



2019 No. 4

(Bimonthly Started in 1973)

Vol. 47 Sum. 274

## CONTENTS

Accurate test technology and device for coal seam gas content in long boreholes in underground coal mines .....	SUN Siqing, ZHANG Qun, LONG Weicheng, <i>et al</i> (1)
Technology and application of indirect fracturing in CBM vertical well of broken and soft coal seam with low permeability .....	ZHOU Jiajia (6)
Coalbed methane migration mechanism under adsorption-desorption condition in coal .....	LIU Yongqian, ZHANG Shulin, SHU Longyong (12)
Geological characteristics and high efficiency development technology of coalbed methane in Duijiangnan coal mine, Guizhou Province .....	GONG Zewen (19)
Research and application of CBM surface extraction based on coal mine with “gas drainage first, construction later” and resource development .....	WANG Jing, YAO Tuanqi, CHENG Bin (28)
Influencing factors of surface gas extraction effect in Wangpo minefield of Jincheng mining area .....	DU Zhiqiang (33)
Effect of NMR technology-based ultrasonic frequency on stimulated cracking of coal .....	MA Huiteng, ZHAI Cheng, XU Jizhao, <i>et al</i> (38)
Advances on geological-geochemical research of coal-type uranium in China .....	ZHOU Xianqing, QIN Yong, LU Lu (45)
Coal control factors of Middle Jurassic Shimengou Formation in Beidatan area, east part of the northern Qaidam basin .....	PENG Minghong, TIAN Jingchun, ZHANG Xiang, <i>et al</i> (54)
Occurrence of antimony in magmatic intrusive coal seam: A case study from the Wolonghu coal mine, Huaibei coalfield, China .....	OU Jinping, ZHENG Liugen, WEI Xiangping, <i>et al</i> (63)
Damage mechanism and countermeasures of reservoir with abnormal pickup of CBM flow pressure in well .....	JIA Huimin, HU Qiujia, QI Kongjun, <i>et al</i> (69)
Analysis and application of key influencing factors of CBM well fracturing effects in Shizhuang area, Qinshui basin .....	XUE Haifei, ZHU Guanghui, WANG Wei, <i>et al</i> (76)
Corrosion behavior analysis of sucker rod for coalbed methane wells in the eastern block of Ordos basin .....	PANG Bin, WANG Hanxiang, LAN Wenjian (82)
Analysis of reservoir conditions of shale gas in Middle Permian Wenbisha Formation in Fujian Province .....	CHEN Quanlin (88)
Shale gas potential of Yanguanjie Formation and Longtan Formation in central and southeastern Hunan Province .....	CAO Taotao, DENG Mo, LIU Hu, <i>et al</i> (94)
Water inflow law of the first working face based on water pre-draining from roof .....	LI Yongtao, YANG Jian (104)
Microseismic test and numerical simulation analysis of floor failure depth of isolated coal mining face .....	ZHAO Chunhu (110)
Modification function of magnetic treatment on grouting clay slurry .....	XUE Weifeng, WANG Sujian, DENG Zengshe, <i>et al</i> (117)
Inversion analysis of earth pressure for limited soil between oblique support retaining foundation pit and adjacent basement .....	ZHANG Guomao, PENG Wenxiang (124)
Study on slope stability and the effect of highfill on the mechanical properties of red clay foundation .....	GAO Shengxiang, XU Qiang, MA Hongyu, <i>et al</i> (131)
Influence of internal friction angle on damage constitutive model of freeze-thaw rock .....	YUAN Chao, ZHANG Huimei, MENG Xiangzhen, <i>et al</i> (138)
Numerical simulation on mechanism of thrust fault reactivation during mining .....	MIN Feihu, XIANG Biwei, LIU Hui, <i>et al</i> (144)
Study on uniaxial compression mechanical properties of sandstone with different moisture content and wave velocity method .....	DUAN Tianzhu, REN Yaping (153)
Application of seismic exploration technology in forecasting unconventional gas enrichment area of coal measures .....	WANG Shuwei (159)
A method of random noise suppression based on compressed sensing .....	YANG Liangang, LI Lingyun, YANG Yumei, <i>et al</i> (165)
Constrained inversion method and application effect of TEM data of fixed source loop device .....	HOU Yanwei, YAO Weihua (172)
A pipeline robot detection image enhancement method based on image fusion and improved threshold .....	YUAN Mingdao, TAN Cai, LI Yang, <i>et al</i> (178)
Channel wave advanced detection method based on Kirchhoff migration and its application .....	ZHAO Yunpei, WANG Wei, HOU Xianhua (186)
Detection accuracy analysis of TSP and its application in a river-crossing tunnel construction .....	LI Junjie, ZHANG Honggang, HE Jianshe, <i>et al</i> (193)
Experimental study and economic evaluation of low temperature drying treatment of abandoned water-based drilling fluid .....	LI Zhijun, LIU Xusan, WANG Bo, <i>et al</i> (201)
Structural optimization and simulation analysis of high reliability wire-line coring drilling tools for submarine drilling rigs .....	WANG Jialiang, PENG Fenfei, WAN Buyan, <i>et al</i> (206)
Instability mechanism and anti-sloughing drilling fluid technique for deep coal seam of Tarim basin .....	LI Heng, HE Shiming, TANG Ming, <i>et al</i> (212)
Management of national planned coal mining areas and discrimination with coal mining areas .....	WANG Xiangsheng, WANG Meng, LIU Jingchun (219)