

刊名题字 许在廉

中国煤炭地质

ZHONGGUO MEITAN DIZHI

(原《中国煤田地质》)

月刊·1989年创刊

第27卷 第10期

总第195期

2015

主管单位 国务院国有资产监督管理委员会

主办单位 中国煤炭地质总局

出版单位 《中国煤炭地质》编辑部

学术支持单位

中国地质大学(北京) 能源学院

中国矿业大学(北京) 地球科学与测绘工程学院

中国矿业大学 资源与地球科学学院

吉林大学 地球科学学院

河南理工大学 资源环境学院

安徽理工大学 地球与环境学院

西安科技大学 地质与环境学院

华北科技学院 安全工程学院

主 编 孙升林

常务副主编 孙常长 010-56575177

英文编辑 毛邦倬(特约)

发 行 《中国煤炭地质》编辑部

地 址 北京市丰台区外环西路

26号院25号楼

邮 政 编 码 100070

电 子 信 箱 zhgmtzdh@163.com

主办单位网址 <http://www.cgc.cn/>

中国标准连续 ISSN 1674-1803

出版物号 CN 10-1364/TD

广告许可证号 1306024000046

广 告 代 理 北京晟浩中安文化传媒有限公司

联 系 电 话 010-52459812

联 系 人 王佳

出 版 日 期 2015-10-25

发 行 范 围 国内外公开发行

印 刷 中煤涿州制图印刷厂北京分厂

定 价 15.00元

目 次

·煤田地质·

- 河东煤田CO₂煤层地质封存条件及潜力评价段鹏飞(1)
- 鲁西南地区煤类分布及煤变质作用类型分析于得明,刘海燕,王东东,等(6)
- 云南彝良地区宣威组聚煤规律张光超(10)
- 川南古叙矿区河坝矿段主要煤层厚度变化及其控制因素刘策,戴敬儒,吴永贵(15)

·煤层气·页岩气·

- 基于构造复杂程度定量评价地质构造对煤层瓦斯的控制作用王来斌,沈金山(19)
- 河南胡襄煤田二₁煤层地质特征及煤层气开发潜力分析许亚坤,秦仁赞,苗书雷(24)

·水文地质·工程地质·环境地质·

- 煤矿采空区隐蔽灾害探测及治理技术与实践李宏杰,贾新果,廉玉广,等(29)
- 山东济宁杨营煤矿工业广场新近系砂层水井回灌量分析田立强,范士彦,许京丰,等(35)
- 陕北能源化工基地资源特征与环境承载力申涛,林平选,张晓团,等(37)
- 基于模糊综合评价法的煤矿水质现状评价卞惠琰,李成,向茂西,等(41)
- 气举反循环工艺在大直径工程井中的应用探讨马黎明(46)
- 大直径工程井气举反循环钻进施工常见问题与改进对策张小连,熊亮,熊菊秋,等(49)

·钻探·物探·

- 地面物探技术在煤矿隐蔽致灾地质因素探测中的应用段建华,许超(53)
- 综合勘探技术在采空区探测中的应用李学文(58)
- EH-4电磁成像系统在探测工业广场保护煤柱中的应用张玉宏,吴立,于棋,等(62)
- TEM探查岩层富水性的关键技术及应用效果陈香菱(65)
- 氦气放射性测量在煤矿采空区探测中的应用苏彦丁,李淑燕,李建国(70)

·综合信息·

- 《中国煤炭地质》征稿简则(76)

中國煤炭地質

ZHONGGUO MEITAN DIZHI
COAL GEOLOGY OF CHINA

monthly · founded in 1989

Vol. 27 No.10

serial No.195

2015

Governor

State-owned Assets Supervision and Administration Commission of the State Council(SASAC)

Sponsor

China National Administration of Coal Geology

Edited & Published by

Coal Geology of China Editorial Board

Academic Supporters

School of Energy Resources, China University of Geosciences, Beijing

College of Geoscience and Surveying Engineering, China University of Mining and Technology, Beijing

School of Resource and Earth Science, China University of Mining and Technology

College of Earth Sciences, Jilin University

School of Resources and Environment Engineering, Henan Polytechnic University

School of Earth and Environment, Anhui University of Science and Technology

College of Geology and Environment, Xian University of Science and Technology

College of Safety Engineering, North China Institute of Science and Technology

Chief Editor Sun Shenglin

Administrative Deputy Chief Editor

Sun Changchang (010-56575177)

English Editor

Mao Bangzhuo (Specially Invited)

Distributor

Coal Geology of China Editorial Board

Address

West Outer Ring Road No.26 Building No.25 hospital Fengtai District Beijing

Postal Code 100070

E-mail zhgmtzh@163.com

Sponsor Website: <http://www.ccgcn/>

Publication Number

ISSN 1674-1803 / CN10-1364/TD

Advertisement License 1306024000046

Publishing Date 2015-10-25

Distribution Limit

Distribution to the public both in home and abroad

Printer China Coal Zhuozhou Printing House Beijing Branch

Price 15.00 RMB Yuan

CONTENTS

COAL GEOLOGY

Coal Seam CO₂ Geological Sealing Condition and Potential Evaluation in Hedong CoalfieldDuan Pengfei(1)

Coal Ranks Distribution and Coal Metamorphism Type Analysis in Southwestern ShandongYu Deming, Liu Haiyan, Wang Dongdong, et al.(6)

Xuanwei Formation Coal Accumulation Pattern in Yiliang Area, Yunnan Zhang Guangchao(10)

Main Coal Seam Hosting Features and Controlling Factors in Heba Sector, Guxu Mining Area, Southern SichuanLiu Ce, Dai Jingru and Wu Yonggui(15)

COALBED GAS, SHALE GAS

Quantitative Assessment of Geologic Structural Controlling on Coal Seam Gas Based on Structure ComplexityWang Laibin, Shen Jinshan(19)

Coal III Geological Features and CBM Exploitation Potential Analysis in Huxiang Coalfield, HenanXu Yakun, Qin Renzan and Miao Shulei(24)

HYDROGEOLOGY, ENGINEERING GEOLOGY, ENVIRONMENTAL GEOLOGY

Coalmine Gob Hidden Hazard Detection, Control Technologies and Practice Li Hongjie, Jia Xinguo, Lian Yuguang, et al.(29)

Yangying Coalmine Surface Installation Area Neogene Sand Layer Wells Recharge Rate Analysis in Jining, Shandong Tian Liqiang, Fan Shiyuan, Xi Jingfeng, et al.(35)

Northern Shaanxi Energy Chemical Industry Base Resource Characteristics and Environmental Bearing Capacity Shen Tao, Lin Pingxuan, Zhang Xiaotuan, et al.(37)

Coalmine Water Quality Status Quo Evaluation Based on Fuzzy Comprehensive EvaluationBian Huiying, Li Cheng, Xiang Maoxi, et al.(41)

Discussion on Application of Air-lift Reverse Circulation Technology in Large Diameter Engineering Well DrillingMa Liming(46)

Common Problems and Improving Measures in Large Diameter Engineering Well Air-lift Reverse Circulation Drilling Zhang Xiaolian, Xiong Liang, Xiong Juqu, et al.(49)

.....Zhang Xiaolian, Xiong Liang, Xiong Juqu, et al.(49)

DRILLING, GEOPHYSICAL EXPLORATION

Application of Surface Geophysical Prospecting in Coalmine Hidden Hazard Factor DetectionDuan Jianhua, Xu Chao(53)

Application of Integrated Prospecting Technology in Gob Detection Li Xuewen(58)

Application of EH-4 Electromagnetic Imaging System in Coalmine Ground Installation Area Protective Coal Pillar Detection Zhang Yuhong, Wu Li, Yu Qi, et al.(62)

Key Techniques and Applied Effects of Strata Water Yield Property TEM ProspectingChen Xiangling(65)

Application of Radon Radioactivity Measurement in Coalmine Gob Area DetectionSu Yanding, Li Shuyan and Li Jianguo(70)