煤田地质与勘探

MEITIAN DIZHI YU KANTAN

2021年第3期

(双月刊 1973 年创刊)

第 49 卷 总 285 期

目 次

Deployment of key National Projects

Analysis on the deployment of mining research supported by the gran FAN Jun, ZHANG J	t prograi ialin. Ol	m of De N Yuar	eep Res	source IG Ha	es Exp o. GA	olorat	tion and anan. P	l Mini EI Yo	ng ngzhi (1)
煤炭资源与生态环境协同高效洁净勘探开发。	, Q.	iii iuu	.,	0 114	0, 01	10 11	anan, i		iig2iii (1)
基于资源和地质环境特征的河东煤田煤炭绿色开采战略研究							刘汉	斌.利	呈芳琴(8)
华亭烟煤地下气化污染物分布及富集规律			朱	利辉.	、冯谷	乱.	胡永兴	€, Ŧ	明忠(18)
神府矿区 5-2煤层富油煤赋存特征及资源潜力评价	李华兵	姚	征,李	5 宁,	,高	骏,	谢冒	., <u>−</u> ≣, ∓	强(26)
榆神府矿区富油煤多尺度孔隙结构特征申艳军,	王旭	,赵春	 ◎虎, 王	生全,	,郭	晨,	师庆日	-, E, 马	文(33)
陕北侏罗纪富油煤有机地球化学特征			张	; 宁,	, 许	云,	乔军停	5, 宁	树正(42)
陕北石炭-二叠纪富油煤赋存特征及影响因素	姚征	,罗乾	周, 李	宁,	李华	浜,	王强	,高	骏(50)
煤炭地质 矿井地质									
负角度定向长钻孔瓦斯抽采完孔工艺研究	…马 赞	,陈冬	冬, 解	恒星,	,陈ヲ	₹柱,	王材	彡, 贾	秉义(62)
煤矿隐伏小断层的瓦斯抽采钻孔探测方法							·薛洪邦	폰, 温	哲(69)
瓦斯抽采钻孔间距优化三维数值模拟量化研究				月霞,	,褚延	Ĕ湘,	陈鵬	鸟,汤	杨(78)
突出煤层 CO2 气相压裂高效抽采防突掘进技术研究			·杨百度	阿,张	(军胜	, 令	狐建设	,曹谨	室兴 (85)
荷载对重塑煤体吸附特性的影响		代菊	南花, 王	E兆丰	,李	学臣,	李艳⁻	氏, 岳	基伟(95)
山西平朔井工三矿煤系角砾岩特殊成因探讨				•••••		•••••		… 石彦	彦强(102)
煤系气 煤伴生矿产									
煤层气井合层开发层间干扰分析与合采方法探讨——以平顶山首	山一矿	︎ 夕例 ⋯		•••••		• • • • • •		… 许悉	翟波(112)
深水油气固井水合物储层物性响应与高压气水反侵研究									
	E 凯,	王治林	、董	刚, 3	韦猫	盖,文	则天乐,	贾东	彦 (118)
煤基 CO2 地质封存对顶板裂缝导流能力影响实验研究	·朱世良	,邵丽	i伟 ,周	」效志,	,曹熜	訬,	张琨	,王延	建东 (128)
煤层气含量测定用绳索密闭取心装置及技术研究	•••••	•••••		•••••		•••••	龙威成	,孙卫	9清(133)
			A 161-		<u> </u>			/মহা	
基于"双行裂隙"模型的网准如区局承压厚松散层突水机埋	刈启家,	XIJ IJ	前, 谢ī	む钢,	日汉	宫,'	17 翔	,缪也	大车(140)
	•••••					•••••• ±±	·····	·· 与(i 上=	可受(150)
基于 FLAC H DEM 数据的发倾斜保压并未沉陷方价 甘工八形维制的共送用导烈险定化加急研究	·····································	 ⊐+⊏=	ᆕ	当急, 与妇	问	急, マ	化米牛	,白凫	影环(158)
举丁刀形组数的仓垣围石袋隙, 两化观律研究····································	」刀可,	「二」「「「二」」	忆,1出日 今 元	日城,	切≤⊥	ር, ' 4ቲ	忉 成 工 <u></u> 岐文	,际	川(107) (175)
举于		· 权中z 本白音	~, ᅴ 옵 고(, נונו בי=	小小	¢۳, 88	工唆元 曲 お	,1年 王 克	/母(1/3) 蒙壯(102)
へ 然 弾 冗 纤 生 加 回 红 和 工 地 奉 侯 空 瓜 型		• 子肉9	ᄬᆞᅴ᠈	中四, 直這	- - - - - - - - - - - - - - - - - - -	加, 招	留 早2 文川 宏	, 典律 生 昭	音ル(102) を岐(190)
·煤田物探 矿井物探)DX	י 'ד'א'ד' י	נונוינע			, 不吃	元叫交(109)
孔_巷联合随采地震相关时差层析成像		・王云羽	宏,王伯	呆利,	程建	远,	崔伟雄	, 金	丹(199)
南川地区溶洞及采空区地震资料针对性处理方法					孟庆	利,	任俊兴	,杨	帆(205)
等值反磁通瞬变电磁法在岩溶塌陷区探测应用		·谢 暑	嘉, 刘	洋,	李兴	强,	鲁玉龙	, 李=	F龙(212)
新型煤矿井下单分量无缆地震仪研制								李	渊(219)
基于测井参数优选的煤层含气量预测模型 陈 涛,张占松,	周雪晴,	郭建宏	宏,肖	航,	谭辰	阳,	秦瑞宝	,余	杰(227)
钻掘工程									
岩层联络孔冲剪复合碎岩原理可行性研究								・・ 王信	長留(244)
基于机械比能理论的煤岩可钻性分级方法			谢訊	志江.	常	雪.:	杨林	,皮瓜	日军(236)
		. 黎 《		, 琅	邹	 足	直 杨	陈	[[□] [[□] [□] [□] [□] [□] [□] [□] [□] [□
与动定向钻进技术在松软煌层条带瓦斯预抽由的应田			чл чч 	-ux i	чн 	±, 	~~ [_] ///	, ぷ	┉ѿ(2=+)
								MC	M(250)

2021年06月25日出版

公开发行

邮发代号: 52-14

COAL GEOLOGY & EXPLORATION

2021 No. 3

(Bimonthly Started in 1973)

Vol. 49 Sum. 285

CONTENTS

Analysis on the deployment of mining research supported by the grant program of Deep Resources Exploration and Mining
FAN Jun, ZHANG Jialin, QIN Yuan, <i>et al</i> (1)
Kesearch on green coal mining strategy in Hedong Coalifeid based on resource and geological environment characteristics
Distribution and enrichment of pollutants from underground gasification of bituminous coal in Huating Mining Areai
Occurrence characteristics and resource potential evaluation of tar-rich coal for No.5 ⁻² coal seam in Shenfu Mining Are \cdots
Experimental study on multi-scale pore structure characteristics of tar-rich coal in Yushenfu mining area
SHEN Yanjun, WANG Xu, ZHAO Chunhu, <i>et al</i> (33)
Organic geochemistry of the Jurassic tar-rich coal in Northern Shaanxi Province ZHANG Ning, XU Yun, QIAO Junwei, <i>et al</i> (42) Occurrence characteristics of Carboniferous-Permian tar-rich coal and its influencing factors in Northern Shaanxi
YAO Zheng, LUO Ojanzhou, LI Ning, et al(50)
The concealed small faults detection based on gas drainage boreholes along and cross the coal seam
Gas drainage borehole completion technology of directional long hole drilling with negative angle
Quantitative study of 3D numerical simulation on optimizing borehole layout spacing of gas drainage
CHEN Yuexia, CHU Tingxiang, CHEN Peng, et al(78)
An advanced CO ₂ gas-phase fracturing technology for efficient methane drainage, outburst prevention and
excavation in outburst coal seam ······ YANG Baige, ZHANG Junsheng, LINGHU Jianshe, et al(85)
Effect of load on adsorption characteristics of remolded coal DAI Juhua, WANG Zhaofeng, LI Xuechen, et al(95)
The origin of coal measure breccia in Jinggong No.3 Coal Mine, Pingshuo, Shanxi SHI Yanqiang(102)
Analysis of interlayer interference in combined development of coalbed methane wells and discussion on combined production
methods: A case study of Shoushan No.1 Coal Mine in Pingdingshan XU Yaobo(112)
Hydrate reservoir physical properties response and high-pressure gas-water reverse penetration during deepwater oil and gas cementing
Experimental study on the influence of coal-based CO ₂ geological storage on roof fracture conductivity
Research on wireline sealed coring equipment and technology for coalbed methane content determination
LONG Weicheng, SUN Siqing(133)
Water inrush mechanism of thick alluvium aquifer with high pressure based on the "bidirectional fractures" model in Huainan
and Huaibei Mining Area LIU Qimeng, LIU Yu, XIE Zhigang, et al(140)
Surface subsidence control technology of multi-bed separation grouting MA Hewen(150)
Mining subsidence analysis of gently inclined coal seams based on FLAC ^{3D} and DEM data
GAN Zhihui, SHANG Hui, DU Rongjun, <i>et al</i> (158)
Research on the evolution law of roadway surrounding rock fissure based on fractal dimension
DING Wanqi, MA Zhenqian, ZU Ziyin, <i>et al</i> (167)
Green detection method coal burning area in northern Shaanxi based on microbial hydrocarbon detection technology
DUAN Zhonghui, MA Li, HAO Chun, et al(175)
Model tests on the red clay foundation reinforced by the natural coir fiber LI Liangyong, MA Weidi, XIE Peng, et al(182)
Variation law and influencing mechanism of surface movement parameters in Shendong Mining Area
Borehole-roadway seismic-while-mining tomography using correlation time difference
WANG Yunhong, WANG Baoli, CHENG Jianyuan, et al(199)
Targeted processing method for seismic data of karst caves and goafs in Nanchuan Area
The application of Opposing Coils Transient Electromagnetics in the detection of longst subsidence area
The application of Opposing Constitution Electromagnetics in the detection of Karst subsidence area
The development of a single component non-cable seismograph in underground coal mines.
The development of a single-component non-caple setsinograph in underground coar immes
CHEN Too ZHANG Zhangong ZHOU Vuoging at al(227)
Classification method of coal and rock drillability based on Mechanical Specific Energy theory
VIE Zbijiang CHANG Vie VANG Lin et al(226)
Eassibility study on the principle of nunching schearing composite rock fragmentation mode of connecting holes in rock strate
r casionity study on the principle of punching solearing composite fock magnetization mode of connecting noies in fock strata
Application and development of permanent magnet torque motor in down-hole tools for oil and gas drilling and production
The application of pneumatic directional drilling technology in gas pre-drainage of strips in soft coal seam

Jun. 2021