

# 采矿与安全工程学报

2020年第37卷第1期

## 目 次

深部煤矿井下智能化分选及就地充填技术研究进展	张吉雄,屠世浩,曹亦俊,等	(1)
深部大断面巷道围岩稳定性评价与布置方式研究	朱成,袁永,袁超峰,等	(11)
煤矿超大断面硐室判别方法及其工程特征	谭云亮,范德源,刘学生,等	(23)
深部充填沿空巷道护巷煤(岩)体受力特征及稳定性分析	刘迅,纪欣卓,苗凯军	(32)
深部超大断面硐室群围岩变形破裂演化规律试验研究	刘学生,宋世琳,范德源,等	(40)
深部大断面硐室动静载作用下锚固承载结构稳定机理研究	宁建国,邱鹏奇,杨书浩,等	(50)
深部充填沿空留巷巷旁支护体变形特征研究	邓雪杰,董超伟,袁宗萱,等	(62)
研石充填材料侧压系数影响因素试验研究	肖猛,巨峰,何泽全,等	(73)
“采选充+X”一体化矿井选择性开采理论与技术体系构建	屠世浩,郝定溢,李文龙,等	(81)
深部高瓦斯矿井保护层少研化“采选充+抽”开采技术	郝定溢,白庆升,李文龙,等	(93)
深部带状充填开采复合承载体变形特征研究	郭广礼,郭凯凯,张国建,等	(101)
条带充填坚硬顶板与充填体组合系统力学特性试验研究	陈绍杰,尹大伟,胡炳南,等	(110)
充填采煤液压支架工作阻力设计方法研究	张强,武中亚,杜二宝,等	(118)
充填体协同支架控顶效应研究	黄鹏,张兴军,郭宇鸣,等	(128)
煤矿研石处理技术现状与展望	周楠,姚依南,宋卫剑,等	(136)
研石充填材料承载压缩变形时效性试验研究	李猛,张卫清,李艾玲,等	(147)
不同级配研石侧限压缩过程声发射特征研究	李巍,黄艳利,高华东,等	(155)
侧限压缩条件下研石变形破碎规律及声发射特征研究	辛恒奇,黄艳利,张卫清,等	(162)
新型研石聚合物材料制备及其性能分析	岳晓明,肖翠翠,叶美,等	(169)
破碎研石干湿循环长期承载变形及分形特征	江宁,尹大伟,杨永杰,等	(176)
压实过程中煤研石颗粒流细观演化规律研究	巨峰,宁湃,何泽全,等	(183)
煤矿井下选煤技术现状和展望	曹亦俊,刘敏,邢耀文,等	(192)
新型大处理能力双侧进风跳汰分选技术	王志刚,庞卫东,常建勇,等	(202)
具有W型反射盘的新型干扰床分级机性能分析	张悦刊,曹井振,刘培坤,等	(207)
《采矿与安全工程学报》2019年第5期Ei收录情况		(109)

## Contents

Research progress of technologies for intelligent separation and in-situ backfill in deep coal mines in China	ZHANG Jixiong, TU Shihao, CAO Yijun, et al	(1)
Stability evaluation and layout of surrounding rock in deep large section tunnel	ZHU Cheng, YUAN Yong, YUAN Chaofeng, et al	(11)
Discrimination method and engineering characteristics of super large section chamber in coal mine	TAN Yunliang, FAN Deyuan, LIU Xuesheng, et al	(23)
Stress characteristics and stability analysis of coal (rock) body in deep back-filling gob side entry	LIU Xun, JI Xinzhuo, MIAO Kaijun	(32)
Experimental study on deformation and failure evolution of surrounding rock for deep super-large section chamber group	LIU Xuesheng, SONG Shilin, FAN Deyuan, et al	(40)
Damage mechanism and support of surrounding rock anchorage structure of deep large section chamber under static-dynamic coupling loading	ING Jianguo, QIU Pengqi, YANG Shuhao, et al	(50)
Deformation behavior of gob-side filling body of gob-side retaining entry in the deep backfilling workface	DENG Xuejie, DONG Chaowei, YUAN Zongxuan, et al	(62)
Experimental study on influence factors of the lateral pressure coefficient of gangue back-filling materials	XIAO Meng, JU Feng, HE Zequan, et al	(73)
Construction of the theory and technology system of selective mining in “mining, dressing, backfilling and X” integrated mine	TU Shihao, HAO Dingyi, LI Wenlong, et al	(81)
Mining technology of “mining, dressing, backfilling and drainage” with less gangue in deep high gas mine protective layer	HAO Dingyi, BAI Qingsheng, LI Wenlong, et al	(93)
Research on deformation characteristics of coupled coal-backfills bearing in deep strip backfilling mining	GUO Guangli, GUO Kaikai, ZHANG Guojian, et al	(101)
Study on mechanical characteristics of composite system of hard roof and filling body under strip filling	CHEN Shaojie, YIN Dawei, HU Bingnan, et al	(110)
Working resistance design method of backfilling shield	ZHANG Qiang, WU Zhongya, DU Erbao, et al	(118)
Study on control effect of roof based on backfilling body cooperating with support	HUANG Peng, ZHANG Xingjun, GUO Yuming, et al	(128)
Present situation and prospect of coal gangue treatment technology	ZHOU Nan, YAO Yinan, SONG Weijian, et al	(136)
Experimental study on time-dependent compressive deformation of gangue backfilling materials	LI Meng, ZHANG Weiqing, LI Ailing, et al	(147)
Study on acoustic emission characteristics of guague of different graduations during confined compression	LI Wei, HUANG Yanli, GAO Huadong, et al	(155)
Research on deformation and crushing rules and acoustic emission characteristics of gangue bulk under the condition of confined compression	XIN Hengqi, HUANG Yanli, ZHANG Weiqing, et al	(162)
Material fabrication and performance analysis of new gangue polymer	YUE Xiaoming, XIAO Cuicui, YE Mei, et al	(169)
Experimental study on long-term load-bearing deformation and fractal characteristics of crushed gangue under dry-wet cycles	JIANG Ning, YIN Dawei, YANG Yongjie, et al	(176)
Study on particle flow mesoscopic evolution law of coal gangue in compaction process	JU Feng, NING Pai, HE Zequan, et al	(183)
Current situation and prospect of underground coal preparation technology	CAO Yijun, LIU Min, XING Yaowen, et al	(192)
A new jig separation technology with large processing capacity and double air inlet	Wang Zhigang, Pang Weidong, Chang Jianyong, et al	(202)
Performance analysis of a new teetered bed separator with W - type reflector	ZHANG Yuekan, CAO Jingzhen, LIU Peikun, et al	(207)