

采矿与安全工程学报

2018年第35卷第4期

目 次

内层钢板高强钢筋混凝土复合井壁在冻结井筒应用研究	姚直书,薛维培,程桦,等	(663)
基于主应力方向改变的深部沿空巷道非均匀大变形机理及稳定性控制	李季,马念杰,丁自伟	(670)
无煤柱自成巷开采巷道矿压显现特征及控制对策	王亚军,何满潮,张科学,等	(677)
深井近距离煤层群采空区下回采巷道联合支护技术	王龙飞,常泽超,杨战标,等	(686)
再生顶板结构及巷道注-锚支护研究	马文强,王同旭,张恒	(693)
冲沟地貌间隔式煤柱下采动应力传播规律研究	朱德福,屠世浩,屠洪盛,等	(701)
断层煤柱及倾角对采动应力及能量分布的影响特征	武泉森,蒋力帅,孔朋,等	(708)
综放采场重复采动覆岩运移原位监测与分析	袁瑞甫,杜锋,宋常胜,等	(717)
大采高液压支架初撑力与额定工作阻力合理比值研究	刘闯,李化敏,张群磊	(725)
覆岩关键层结构失稳后的运动特征与“再稳定”条件研究	韩红凯,王晓振,许家林,等	(734)
沟谷区域浅埋厚煤层开采应力场分布及矿压显现特征	赵杰,刘长友,李建伟	(742)
综放开采覆岩破断与顶煤力链结构演化特性分析	周勇,李飞,韩现刚	(751)
倾斜煤层底板采动应力分布规律及破坏特征	刘伟韬,穆殿瑞,谢祥祥,等	(756)
含隐伏断层煤层回采诱发底板突水影响因素研究	张培森,颜伟,张文泉,等	(765)
浅埋石膏矿顶板破断机理及应用研究	章求才,贺桂成,黄炳香,等	(773)
疏水诱发深井巷道冲击地压机理及其防治	舒湊先,姜福兴,魏全德,等	(780)
坚硬顶板断裂震源模型及应力波远场震动效应	王恩元,冯俊军,孔祥国,等	(787)
长壁工作面采动引起的微震活动分布规律研究	陈通,王双明,王悦,等	(795)
冲击型煤与瓦斯突出力学机制及危险性评价技术研究	尹永明,张兴凯,姜福兴,等	(801)
采场顶板O-X型垮落空气冲击灾害预测	李彦斌,宋选民	(810)
考虑分形维数的注水模型及注水时间研究	汪文瑞,刘兆霞,王刚,等	(817)
煤岩组合体循环加载变形及裂纹演化规律研究	陈岩,左建平,宋洪强,等	(826)
采动裂隙煤岩破裂能量耗散特性及机理	单鹏飞,来兴平,崔峰,等	(834)
神东矿区弱胶结砂岩的力学及声发射特征研究	李化敏,王开林,李回贵,等	(843)
不同开采条件下煤层应力演化及分区特征	洛锋,曹树刚,李国栋	(852)
煤岩层理效应对甲烷吸附-解吸及渗流规律影响的实验研究	陈宇龙,张宇宁,唐建新,等	(859)
Y型通风留巷上向穿层钻孔合理布置研究	樊世星,文虎,肖峻峰,等	(869)

Contents

Research and application of composite shaft with inner steel plate and high strength reinforced concrete in frozen wellbore	YAO Zhishu, XUE Weipei, CHENG Hua, et al	(663)
Heterogeneous large deformation mechanism based on change of principal stress direction in deep gob side entry and control	LI Ji, MA Nianjie, DING Ziwei, et al	(670)
Strata behavior characteristics and control countermeasures for the gateroad surroundings in innovative non-pillar mining method with gateroad formed automatically	WANG Yajun, HE Manchao, ZHANG Kexue, et al	(677)
Combined support technology of roadway under mined gob of ultra-distance seams in deep mine	WANG Longfei, CHANG Zechao, YANG Zhanbiao, et al	(686)
Regenerated roof structure and grouting-bolt support of roadway	MA Wenqiang, WANG Tongxu, ZHANG Heng	(693)
Analysis of stress propagation mechanism in the interval coal pillars under the gully landform	ZHU Defu, TU Shihao, TU Hongsheng, et al	(701)
Effects characteristics of fault pillar and its dip angle on mining-induced stress and energy distribution	WU Quansen, JIANG Lishuai, KONG Peng, et al	(708)
In-site monitoring and analysis on overburden movements for multiple seam mining using longwall caving method	YUAN Ruifu, DU Feng, SONG Changsheng, et al	(717)
Research on reasonable ratio of setting load and yield load of shield in large mining height coal mine	LIU Chuang, LI Huamin, ZHANG Qunlei	(725)
Study on the movement characteristics and “re-stabilization” conditions of overlying key stratum structure after losing stability	HAN Hongkai, WANG Xiaozhen, XU Jialin, et al	(734)
Stress field distribution and strata behavior characteristics in shallow thick coal seam mining in gully region	ZHAO Jie, LIU Changyou, LI Jianwei	(742)
Analysis on evolution characteristics for overburden and chain of top-coal using fully mechanized top coal caving mining	ZHOU Yong, LI Fei, HAN Xiangang	(751)
Rules of stress distributions and failure characteristics in inclined coal seam floor due to mining	LIU Weitao, MU Dianrui, XIE Xiangxiang, et al	(756)
Study on factors influencing groundwater inrush induced by backstopping of a coal seam with a hidden fault	ZHANG Peisen, YAN Wei, ZHANG Wenquan, et al	(765)
Investigation on the fracture mechanism of the immediate roof in shallow buried gypsum mine and its application	ZHANG Qiucui, HE Guicheng, HUANG Bingxiang, et al	(773)
Mechanism and treatment of rockburst induced by drainage in roadways in deep coal mines	SHU Couxian, JIANG Fuxing, WEI Quande, et al	(780)
A hard roof fracture source model and its far-field seismic impact by stress wave	WANG Enyuan, FENG Junjun, KONG Xiangguo, et al	(787)
Study on the distribution of microseismic activities caused by longwall mining	CHEN Tong, WANG Shuangming, WANG Yue, et al	(795)
Study on mechanical mechanism and danger evaluation technology of coal and gas outburst induced by rockburst	YIN Yongming, ZHANG Xingkai, JIANG Fuxing, et al	(801)
Forecasting of air impact disaster induced by O-X roof caving type in mining face	LI Yanbin, SONG Xuanmin	(810)
Study on water injection model considering fractal dimension and water injection time	WANG Wenrui, LIU Zhaoxia, WANG Gang, et al	(817)
Deformation and crack evolution of coal-rock combined body under cyclic loading-unloading effects	CHEN Yan, ZUO Jianping, SONG Hongqiang, et al	(826)
Energy dissipation properties and mechanisms of fractured coal-rock mass failure under mining condition	SHAN Pengfei, LAI Xingping, CUI Feng, et al	(834)
Study on mechanical and acoustic emission characteristics of weakly cementation sandstone in Shendong coal field	LI Huamin, WANG Kailin, LI Huigui, et al	(843)
Stress evolution and subarea characteristics of coal seam under different mining conditions	LUO Feng, CAO Shugang, LI Guodong, et al	(852)
Experimental study of the influence of bedding effect on methane adsorption-desorption and seepage	CHEN Yulong, ZHANG Yunling, TANG Jianxin, et al	(859)
Study on reasonable layout of upward penetrating boreholes in retaining gob-side roadway in Y-type ventilation working face	FAN Shixing, WEN Hu, XIAO Junfeng, et al	(869)