

采矿与安全工程学报

2011年第28卷第1期

目 次

采动巷道底鼓机理与控制技术	柏建彪,李文峰,王襄禹,等	(1)
吸能耦合支护模型在冲击地压巷道中应用研究	潘一山,吕祥锋,李忠华	(6)
覆岩结构对冲击矿压的影响及其微震监测	徐学锋,窦林名,曹安业,等	(11)
构造复杂区域膨胀软岩巷道底鼓控制研究	张后全,韩立军,贺永年,等	(16)
旗山矿倾斜煤夹层巷道破坏机理及支护设计研究	张国锋,曾升华,张春,等	(22)
泥岩顶板巷道遇水冒顶机理与支护对策分析	姚强岭,李学华,瞿群迪,等	(28)
沿空留巷顶板下沉量计算及分析	卢小雨,华心祝,赵明强	(34)
破碎岩体巷道变形破坏特征的数值模拟研究	李慎举,王连国,陆银龙	(39)
尾巷对采空区煤自燃影响的数值模拟研究	邵昊,蒋曙光,王兰云,等	(45)
远距离下保护层开采上覆煤岩裂隙变形相似模拟	刘三钧,林柏泉,高杰,等	(51)
煤矿火区安全启封的模糊数学综合评价方法	吴德建,周福宝,钱新明	(56)
煤岩体微震事件属性识别与标定综合分析方法	刘超,唐春安,薛俊华,等	(61)
深部巷(隧)道围岩的劈裂岩爆试验研究	张晓君	(66)
地面钻井剪切变形破坏模型及其空间规律分析	孙海涛,林府进,张军	(72)
瓦斯监控系统对煤与瓦斯突出的实时监测	赵发军,刘明举,魏建平,等	(77)
基于瓦斯解吸特性推算煤层瓦斯压力的方法	安丰华,程远平,吴冬梅,等	(81)
石门揭煤静态爆破致裂煤层增透可行性研究	李忠辉,宋晓艳,王恩元	(86)
岩体结构与地面瓦斯抽采井稳定性关系	徐宏杰,桑树勋,韩家章,等	(90)
采场顶板离层水“静水压涌突水”机理及防治	乔伟,李文平,李小琴	(96)
基于产量最大化目标的采掘带宽度优化模型	陈树召,才庆祥,尚涛,等	(105)
开采影响下的岩土体移动与变形规律	郭麒麟,乔世范,刘宝琛	(109)
井筒壁后注浆质量反射波法检测技术	张平松,郭立全	(115)
康家湾矿含水层下采场导水裂隙带发育高度预测	贺桂成,肖富国,张志军,等	(122)
陕北浅埋煤层开采隔水土层渗透性变化特征	李涛,李文平,常金源,等	(127)
露天转地下开采隔层厚度安全分析	陆广,罗周全,刘晓明,等	(132)
空场法矿柱破坏规律及稳定性分析	刘洪强,张钦礼,潘常甲,等	(138)
承压水体上岩浆岩底板采动效应的数值分析	徐德金	(144)
大孤山铁矿边帮运输巷道破坏机理研究	张宝才,刘树森,陈庆丰,等	(148)
巷道中煤层阴燃状态的氧气体积分数梯度判别法	王文才,王瑞智,张朋,等	(153)
充填综采矸石-粉煤灰压实变形特性试验研究及应用	徐俊明,张吉雄,黄艳利,等	(158)
多元联系数模型在煤矿安全评价中的应用	李凡修,梅平	(163)
“2011科学采矿论坛”暨“第十六届矿压理论与实践研讨会”征文通知		(76)

期刊基本参数: CN32-1760/TD * 1984 * q * A4 * 166 * zh * P * ¥30.00 * 1500 * 31 * 2011-03

Journal of Mining & Safety Engineering

Vol. 28 No. 1 2011

Contents

Mechanism of Floor Heave and Control Technology of Roadway Induced by Mining	BAI Jian-biao, LI Wen-feng, WANG Xiang-yu, et al	(1)
The Model of Energy-Absorbing Coupling Support and Its Application in Rock Burst Roadway	PAN Yi-shan, LV Xiang-feng, LI Zhong-hua	(6)
Effect of Overlying Strata Structures on Rock Burst and Micro-Seismic Monitoring Analysis	XU Xue-feng, DOU Lin-ming, CAO An-ye, et al	(11)
Floor Heave Control in Roadways with Soft-and-Swelling Rocks in Complicated Structural Area	ZHANG Hou-quan, HAN Li-jun, HE Yong-nian, et al	(16)
Failure Mechanism and Support Design of Interclated Roadway Surrounding Inclined Coal Seam in Qishan Coal Mine	ZHANG Guo-feng, ZENG Kai-hua, ZHANG Chun, et al	(22)
Supporting Countermeasures and Roof Falling Mechanism Reacting with Water in Mudstone Roof Roadway	YAO Qiang-ling, LI Xue-hua, QU Qun-di, et al	(28)
Calculation and Analysis of Immediate Roof Subsidence in Gob-Side Entry Retaining	LU Xiao-yu, HUA Xin-zhu, ZHAO Ming-qiang	(34)
Numerical Simulation for Deformation Failure Characters in Roadway with Broken Rock Mass	LI Shen-ju, WANG Lian-guo, LU Yin-long	(39)
Numerical Simulation of Effect of Tail Roadway on Coal Spontaneous Combustion in the Goaf	SHAO Hao, JIANG Shu-guang, WANG Lan-yun, et al	(45)
Similar Simulation of Fracture Deformation in Overlying Coal and Rock in Far-Distance-Lower-Protective-Layer Mining	LIU San-jun, LIN Bai-quan, GAO Jie, et al	(51)
Comprehensive Evaluation Method of Fuzzy Mathematics for Safety Unsealing in Fire Area	WU De-jian, ZHOU Fu-bao, QIAN Xin-ming	(56)
Comprehensive Analysis Method of Identifying and Calibrating Micro-Seismic Events Attributes in Coal and Rock Mass	LIU Chao, TANG Chun-an, XUE Jun-hua, et al	(61)
Experimental Research on Splitting Rock Burst of Surrounding Rocks in Deep Roadways (Tunnels)	ZHANG Xiao-jun	(66)
Shear Deformation Model on Surface Drilling and Its Spatial Analysis	SUN Hai-tao, LIN Fu-jin, ZHANG Jun	(72)
Real-Time Monitoring for Coal and Gas Outburst Based on Gas Monitoring Data	ZHAO Fa-jun, LIU Ming-ju, WEI Jian-ping, et al	(77)
Determination of Coal Gas Pressure Based on Characteristics of Gas Desorption	AN Feng-hua, CHENG Yuan-ping, WU Dong-mei, et al	(81)
Feasibility of Improving Permeability by Static Blasting During Uncovering Coal Seam in Cross-Cut	LI Zhong-hui, SONG Xiao-yan, WANG En-yuan	(86)
Relationship Between Rock Mass Structure and Stability of Surface Well for Released Coal Gas	XU Hong-jie, SANG Shu-xun, HAN Jia-zhang, et al	(90)
Mechanism of "Hydrostatic Water-Inrush" and Countermeasures for Water Inrush in Roof Bed Separation of A Mining Face	QIAO Wei, LI Wen-ping, LI Xiao-qin	(96)
The Optimized Model for Cut Width Aiming at the Maximum Production	CHEN Shu-zhao, CAI Qing-xiang, SHANG Tao, et al	(105)
The Movement and Deformation of Soil and Rock Mass Resulted from Mining Activity	GUO Qi-lin, QIAO Shi-fan, LIU Bao-chen	(109)
Detection Technology by Reflection Wave for Backwall Grouting Quality of A Vertical Shaft	ZHANG Ping-song, GUO Li-quan	(115)
Prediction of the Height of the Transmissive Fractured Belt of A Mining Stope Under Aquifer in Kangjiawan Mine	HE Gui-cheng, XIAO Fu-guo, ZHANG Zhi-jun, et al	(122)
Permeability Features of Water-Resistant Clay Layer in Northern Shaanxi Province While Shallowly Buried Coal Mining	LI Tao, LI Wen-ping, CHANG Jin-yuan, et al	(127)
Safety Analysis of Interlayer Thickness from Open Pit to Underground Mining	LU Guang, LUO Zhou-quan, LIU Xiao-ming, et al	(132)
Analysis of the Failure Law and Stability of the Pillar in Open Stope Mining	LIU Hong-qiang, ZHANG Qin-li, PAN Chang-jia, et al	(138)
Numerical Analysis for Mining Effect on Coal Seam Floor with Magmatic Rock over Confined Water	XU De-jin	(144)
Research on Failure Mechanism of the Slope Transportation Tunnel of Dagushan Iron Mine	ZHANG Bao-cai, LIU Shu-sen, CHEN Qing-feng, et al	(148)
Volume Fraction Gradient Criterion of Oxygen in A Smoldering State of Coal Seam Roadway	WANG Wen-cai, WANG Rui-zhi, ZHANG Peng, et al	(153)
Experimental Research on the Compress Deformation Characteristic of Waste-Flyash and Its Application in Backfilling Fully Mechanized Coal Mining Technology	XU Jun-ming, ZHANG Ji-xiong, HUANG Yan-li, et al	(158)
Application of the Multi-Element Connection Number Model in Safety Evaluation of Coal Mine	LI Fan-xiu, MEI Ping	(163)