

ISSN 1003-3033
CN 11-2865/X
CODEN ZAKXAM

中国安全科学

学报

CHINA SAFETY
SCIENCE JOURNAL
(CSSJ)

第22卷
第3期

Vol.22
No.3

2012

万方数据



中国职业安全健康协会主办

目次

安全社会科学

企业分形安全组织结构的构建方法与模型优化	廖伯超	吴超	3
----------------------	-----	----	---

安全系统学

基于灰色神经网络的民航事故征候预测模型研究	王永刚	李辉	10		
煤矿安全投资效率评价的 DEA 模型及其应用	梁美健	吴慧香	16		
基于 UAHP 的采空区稳定性模糊综合评判	邓红卫	贾明	24		
基于仿真的交通事故机动车驾驶人识别方法	陈强	赵航	姚春德	30	
地震荷载下露天坑边坡模糊随机可靠度分析	柳皎	李夕兵	董晓军	35	
巷壁与空气热湿交换规律数值模拟研究	魏亚兴	胡汉华	何发龙	李冀	42

安全工程技术科学

采空区处理方法研究进展	李俊平	肖旭峰	冯长根	48	
煤热动力学参数、特征温度与挥发分关系的试验研究	朱红青	郭艾东	屈丽娜	55	
可燃气体爆炸破坏效应的试验研究		王凯全	乐林	61	
基于蒙特卡洛法的储罐爆炸碎片冲击失效模型研究			左哲	67	
基于熵理论的矿山企业安全风险管理水平研究			赵广金	73	
基于灰色马尔柯夫模型的钻孔瓦斯流量预测		陈钊	徐阿猛	79	
冰雪道路环境对驾驶人视觉感知特性的影响	邢恩辉	王锐	韩平	86	
机场热点区域三选法研究			霍志勤	92	
基于 ARIMA 模型的航空装备事故时序预测	甘旭升	端木京顺	高建国	赵录峰	97
直线管道煤尘爆炸火焰传播规律的试验研究		段振伟	李志强	景国勋	103
矿井通风网络的社团结构及灾害控制研究		杨应迪	张国枢	秦汝祥	109
教练直升机训练系统安全评价研究		董国海	张执国	李晓滨	115
煤矿百万吨死亡率动态无偏灰色马尔柯夫预测			徐建新	杨杰	122
基于模糊 Bow-tie 模型的深水海底管道定量风险评价研究		胡显伟	段梦兰	官耀华	128
单元板式轨道扣件刚度突变对行车安全性的影响分析	徐浩	李培刚	王平	陈嵘	134

安全社会工程

全球产品策略与其他化学品风险评估	陈军	石燕燕	李运才	140
------------------	----	-----	-----	-----

公共安全

城市埋地燃气管道危险性 SPA-Markov 链评价预测模型	亢永	许开立	刘家喜	147	
危险品事故泄漏模糊路网应急资源优化研究	陈钢铁	帅斌	153		
非常规突发事件应急决策方法研究					
..... 李明磊 王红卫 祁超 刘丹 王剑 王喆 周超				158	
地震灾害紧急救援可支配交通链路选择研究	朱茵	张鑫	隋晓庆	赵楠	164
高原地震协同应急方法研究:以玉树地震为例	邓芳	刘吉夫	170		

安全科技信息

第二十届海峡两岸及香港、澳门地区职业安全健康学术研讨会暨中国职业安全健康协会 2012 年学术年会通知	91
2012 年《中国安全科学学报》征订启事	108
2012 安全科学与工程国际学术会议通知	127

Safety Social Science

- Methodology for Establishing Enterprise Fractal Safety Organization Structure and Its Model Optimization LIAO Bo-chao WU Chao 3

Safety Systematology

- Prediction Model of Civil Aviation Incidents Based on Grey Neural Network WANG Yong-gang LI Hui 10
Safety Investment Efficiency Evaluation Based on DEA Model and Its Application in Coal Mine LIANG Mei-jian WU Hui-xiang 16
Fuzzy Comprehensive Evaluation of Gob Area Stability Based on Uncertain Analytic Hierarchy Process DENG Hong-wei JIA Ming 24
A Method for Identifying the Driver of the Vehicle in Traffic Accident Based on Simulation CHEN Qiang ZHAO Hang YAO chun-de 30
Fuzzy Random Reliability of Open-pit Mine Slope under Seismic Load LIU Jiao LI Xi-bing DONG Long-jun 35
Numerical Simulation of Heat-moisture Exchange between Tunnel Wall and Airflow WEI Ya-xing HU Han-hua HE Fa-long LI Ji 42

Safety Science of Engineering and Technology

- Progress in Developing Methods for Dealing with Forsaken Stope LI Jun-ping XIAO Xu-feng FENG Chang-gen 48
Experimental Study on the Relationship among the Coal Kinetics Parameters, Characteristic Temperatures and Volatile ZHU Hong-qing GUO Ai-dong QU Li-na 55
Experimental Research on Destruction Effects of Combustible Gas Explosion WANG Kai-quan LE Lin 61
Study on Models of Tank Explosion Fragments Impact Failure Based on Monte Carlo Method ZUO Zhe 67
Research on Mine Enterprise's Safety Risk Management Based on Entropy Theory ZHAO Guang-jin 73
Prediction of Gas Flow-rate from Boreholes Based on Grey Markov Model CHEN Zhao XU A-meng 79
Influence of Snowy and Icy Road Conditions on Driver Visual Perception Characteristics XING En-hui WANG Rui HAN Ping 86
Research on Hotspots Identification in Aerodrome through the Triple Selection Method HUO Zhi-qin 92
Time Series Prediction of Aviation Equipment Accident Based on ARIMA Model GAN Xu-sheng DUANMU Jing-shun GAO Jian-guo ZHAO Lu-feng 97
Experimental Study on Propagation of Coal Dust Explosion Flame in Straight Pipe DUAN Zhen-wei LI Zhi-qiang JING Guo-xun 103
Research on Community Structure and Disaster Control in Mine Ventilation Networks YANG Ying-di ZHANG Guo-shu QIN Ru-xiang 109
Study on Safety Evaluation of Coach Helicopter Training System DONG Guo-hai ZHANG Zhi-guo LI Xiao-bin 115
Application of Dynamic Unbiased Grey Markov Model in Prediction of Death Rate per Million-ton Coal XU Jian-xin YANG Jie 122
Quantitative Risk Assessment of Deepwater Submarine Pipeline Based on Fuzzy Bow-tie Model HU Xian-wei DUAN Meng-lan GUAN Yao-hua 128
Analysis of Impact of Mutation of Unit Slab Track Fastener Stiffness on Train Running Safety XU Hao LI Pei-gang WANG Ping CHEN Rong 134

Safety Social Engineering Work

- Comparison between Global Product Strategy Risk Assessment and Other Chemical Risk Assessment CHEN Jun SHI Yan-yan LI Yun-cai 140

Public Safety

- SPA-Markov Chain Model for Evaluating and Forecasting Urban Buried Gas Pipeline Risk KANG Yong XU Kai-li LIU Jia-xi 147
Optimization of Fuzzy Network Resources in Emergency after Dangerous Goods Accident Leakage CHEN Gang-tie SHUAI Bin 153
Research on Unconventional Event Emergency Decision-making Methodologies LI Ming-lei WANG Hong-wei QI Chao LIU Dan WANG Jian WANG Zhe ZHOU Chao 158
Study on Selecting the Best Transport Links for Earthquake Disaster Emergency Rescue ZHU Yin ZHANG Xin SUI Xiao-qing ZHAO Lei 164
Modeling Research on Synergetic Emergency Response to Plateau Earthquake - Case Study into Yushu Earthquake DENG Fang LIU Ji-fu 170