

第32卷\第5期  
ISSN 1672-3767  
CN 37-1357/N  
CODEN SDZKF7

Journal of Shandong University  
of Science and Technology

# 山东科技大学

# 学报

## Natural Science

自然科学版

Shandong Keji Daxue Xuebao  
Ziran Kexue Ban



# 5

# 2013

万方数据



## 目次

### 矿山灾害预防与控制

单轴压缩下煤体声发射特征及损伤演化过程分析

..... 赵玉成, 林斌, 唐兴宜, 龚耀华, 刘嘉, 高亚楠(1)

薄煤层井下泵送矸石充填开采技术研究 ..... 林东才, 栾恒杰(8)

基于软岩流变特性的“围岩-锚杆”系统稳定性模拟研究

..... 刘长雷, 赵同彬, 于忠久, 王丽(13)

### 能源与环境材料

典型固废拆解区多氯联苯残留特征研究

..... 任加国, 武倩倩, 温汉超, 胥韦韦, 李成刚(19)

助剂钾对 Ni/Al<sub>2</sub>O<sub>3</sub> 催化转化焦油模型化合物的影响研究

..... 梁鹏, 李建会, 韩振华, 张亚青, 武加峰, 张荣(25)

用于煤矿防灭火的高吸水树脂的合成与吸水性能研究

..... 展晓元, 王芳, 李兴维, 王敏(31)

华恒高硫煤硫分分布规律研究 ..... 孙铭阳, 崔广文, 王京发, 赵辉(36)

### 沉积·资源·环境

准噶尔盆地西北缘二叠纪古构造对层序地层建造及沉积体系的控制

..... 冯有良, 王瑞菊, 吴卫安, 王春芳(42)

高邮凹陷阜宁组一段储层成岩环境演化的流体包裹体证据

..... 戴祉平, 陈勇, 于雯泉(53)

鄂尔多斯东缘煤储层渗透性主控因素分析与高渗区预测

..... 孙立东, 赵永军, 崔大海, 蔡东梅(61)

---

### 苏里格气田 Z30 区块储层物性特征及控制因素

..... 马东旭,杜支文,张 涛,王秀平,王言龙,高福磊(68)

### 三河口煤矿瓦斯地质规律研究

..... 孟彦如,李增学,刘海燕,吕大炜,刘彬彬(77)

---

## 机器人与智能技术

### PID 神经网络混沌优化及其在机械臂轨迹跟踪控制中的应用

..... 张秀玲,李晓辉,徐 腾,赵 亮,樊红敏,臧佳音(84)

### 基于边缘交点聚类法的眼底图视盘轮廓提取

..... 牛翠霞,姜 平,肖进杰(90)

### 衰落信道下的无线传感器网络虚拟 MIMO 传输优化设计

..... 陈 捷,阚保强(96)

---

## 基础科学及其应用

### 2000—2012 年山东科技大学论文被 SCIE 收录情况统计分析

..... 徐 岩,刘桂仁,安 磊,张福俊,王守海(102)

### 基于 SCI 论文引证的学术期刊信息服务

——以《山东科技大学学报(自然科学版)》为例..... 张福俊(107)

专栏征稿..... (95,106)

期刊基本参数:CN37-1357/N\*1979\*b\*A4\*110\*zh\*P\*¥10.00\*1000\*17\*2013-10

# Journal of Shandong University of Science and Technology Natural Science

No. 5 2013

## CONTENTS

- Coal Acoustic Emission Characteristics and Damage Evolution under Uniaxial Compression  
..... Zhao Yucheng, Lin Bin, Tang Xingyi, Gong Yaohua, Liu Jia, Gao Yanan(1)
- Underground Pumping Gangue Backfill Mining Technology in Thin Coal Seam ..... Lin Dongcai, Luan Hengjie(8)
- “Rock-bolt” System Stability Based on the Soft Rock Rheological Properties  
..... Liu Changlei, Zhao Tongbin, Yu Zhongjiu, Wang Li(13)
- The Residual Characteristics of Polychlorinated Biphenyls in Solid Waste Dismantling Area  
..... Ren Jianguo, Wu Qianqian, Wen Hanchao, Xu Weiwei, Li Chenggang(19)
- Effect of K on Catalytic Performance of Ni/Al<sub>2</sub>O<sub>3</sub> in Tar Model Compound Cracking  
..... Liang Peng, Li Jianhui, Han Zhenhua, Zhang Yaqing, Wu Jiafeng, Zhang Rong(25)
- Synthesis and Properties of Super Absorbent Polymer for Fire Prevention and Extinguishing in Coal Mine  
..... Zhan Xiaoyuan, Wang Fang, Li Xingwei, Wang Min(31)
- The Sulfur Distribution Regularities of Huaheng High Sulfur Coal  
..... Sun Mingyang, Cui Guangwen, Wang Jingfa, Zhao Hui(36)
- Controls of Permian Paleostuctures on Stratal Architecture of Sequences and Sedimentary  
Systems Deposited in Northwestern Margin of Junggar Basin  
..... Feng Youliang, Wang Ruiju, Wu Wei'an, Wang Chunfang(42)
- Evolution of Diagenesis Environment of the 1st Member Funing Formation in Gaoyou Sag:  
Evidence from Fluid Inclusions ..... Dai Zhiping, Chen Yong, Yu Wenquan(53)
- Prediction of Higher-Permeability Region of Coal Reservoir and Its Key  
Control Factor in the East of Ordos Basin ..... Sun Lidong, Zhao Yongjun, Cui Dahai, Cai Dongmei(61)
- Physical Properties and Controlling Factors of Reservoirs in the Z30 Block in Sulige Gas Field  
..... Ma Dongxu, Du Zhiwen, Zhang Tao, Wang Xiuping, Wang Yanlong, Gao Fulei(68)
- Study of the Law of Gas-Geology in Main Coal Seam of Sanhekou Coalmine  
..... Meng Yanru, Li Zengxue, Liu Haiyan, Lü Dawei, Liu Binbin(77)
- Chaos Optimization of PID Neural Network and Its Application in the Trajectory  
Tracking Control of Manipulator  
..... Zhang Xiuling, Li Xiaohui, Xu Teng, Zhao Liang, Fan Hongmin, Zang Jiayin(84)
- Optic Disc Contour Extraction from Retinal Images Based on Edge Intersect Points Clustering  
..... Niu Cuixia, Jiang Ping, Xiao Jinjie(90)
- Optimal Design of WSN Based on Virtual MIMO under Fading Channels ..... Chen Jie, Kan Baoqiang(96)
- Statistic Analysis of the SCIE Papers of Shandong University of Science and Technology in 2000—2012  
..... Xu Yan, Liu Guiren, An Jiao, Zhang Fujun, Wang Shouhai(102)
- Information Service of Academic Journals Based on SCI Citation of Articles  
—Taking Journal of Shandong University of Science and Technology (Natural Science) as an Example  
..... Zhang Fujun(107)