

第38卷 第5期
ISSN 1672-3767
CN 37-1357/N
CODEN SDZKF7

学报

Natural Science
自然科学版

Journal of Shandong University of Science and Technology

山东科技大学

山东科技大学学报

自然科学版

第三十八卷

第五期

(总第一八四期)

二〇一九年十月

- 全国中文核心期刊
- 中国科技核心期刊
- 中国高校优秀科技期刊
- 华东地区优秀期刊
- 山东省优秀期刊



5

2019

目次

沉积·资源·环境

山旺盆地:记录“深时”气候的时间胶囊

..... 余继峰,乔文彦,赵秀丽,蒋宗凯,张典栋,曹慧涛,赵刚(1)

内蒙古牙尔盖地区哈布楚浑迪隆起晚石炭世花岗岩类岩石化学特征及其构造环境

..... 宋红伟,赵民,刘坤朋,余阳(9)

基于绝对吸附量的页岩吸附 CH_4 和 CO_2 的热力学特征

..... 薛培,祁攀文,杨添麒,孙德瑞,张丽霞,高栋臣(21)

矿山灾害预防与控制

袁大滩煤矿风化岩土体冻结热参数及单轴压缩试验研究

..... 刘巍,张进鹏,刘立民,张付涛,毛怀昆(31)

基于区间估计法的井下巷道风量稳定性分析

..... 韩耀中,陈建强,刘昆轮,王刚(39)

土木建筑

带拉条多腔钢板混凝土组合剪力墙抗震性能研究

..... 王来,马江霖,李昕,冯建龙,杨宁(46)

空旷环境下小药量集中药包爆炸冲击波衰减规律

万方数据..... 王海亮,张琪帆,王有权,刘鹏(58)

数学·计算机·系统科学

不确定分数阶 Genesio 混沌系统的反演滑模同步

..... 宋晓娜,宋 帅,满景涛(66)

基于改进的遗传算法优化 BP 神经网络的车险欺诈识别模型

..... 闫 春,厉美璇,周 潇(72)

基于非参数核密度估计与 Copula 方法的山东省小麦收入保险定价研究

..... 李桂伟,赵明清(81)

判别类条件贝叶斯网络分类器的量子粒子群优化参数学习

..... 吴慧玲,丁晓彬,贺广生,刘久富(87)

机电·自动化

△源逆变器的小信号建模与无源器件参数影响分析

..... 房绪鹏,田莹莹,王明磊(94)

基于随机森林算法的旋转机械齿轮组故障诊断

..... 王子兰,杨 瑞(104)

基于综合赋权法的港口物流竞争力评价

..... 王 钰,纪巧玲,刘庆凯,张国伟(113)

Journal of Shandong University of Science and Technology

Natural Science

No 5 2019

CONTENTS

Shanwang basin: A time capsule recording the “Deep Time” climate

..... YU Jifeng , QIAO Wenyan , ZHAO Xiuli , JIANG Zongkai , ZHANG Diandong , CAO Huitao , ZHAO Gang (1)

The petrochemical characteristics and tectonic environment of Late Carboniferous granitoids of the Habchuhudi’s

uplift in Yalgai area, Inner Mongolia SONG Hongwei , ZHAO Min , LIU Kunpeng , YU Yang (9)

Adsorption thermodynamic property for CH₄ and CO₂ of shales based on absolute adsorption capacity

..... XUE Pei , QI Panwen , YANG Tianqi , SUN Derui , ZHANG Lixia , GAO Dongchen (21)

Experimental study on freezing thermal parameters and uniaxial compression of weathered rock and soil in

Yuandatan coal mine LIU Wei , ZHANG Jinpeng , LIU Limin , ZHANG Futao , MAO Huaikun (31)

Analysis of air volume stability of underground roadway based on interval estimation method

..... HAN Yaozhong , CHEN Jianqiang , LIU Kunlun , WANG Gang (39)

Study on seismic performance of multi-chamber steel plate-concrete composite shear wall with braces

..... WANG Lai , MA Jianglin , LI Xin , FENG Jianlong , YANG Ning (46)

Attenuation law of shock wave induced by small concentrated charge explosion in an open environment

..... WANG Hailiang , ZHANG Qifan , WANG Youquan , LIU Peng (58)

Backstepping sliding mode synchronization of uncertain fractional-order Genesio-Tesi chaotic systems

..... SONG Xiaona , SONG Shuai , MAN Jingtao (66)

Improved genetic algorithm for vehicle insurance fraud identification model based on BP neural network

..... YAN Chun , LI Meixuan , ZHOU Xiao (72)

Wheat income insurance pricing in Shandong Province based on nonparametric kernel density estimation and

Copula method LI Guiwei , ZHAO Mingqing (81)

Quantum behaved particle swarm optimizing parameter learning in class-condition Bayesian network

..... WU Huiling , DING Xiaobin , HE Guangsheng , LIU JiuFu (87)

Modeling and analysis of reactive device parameter effect upon performance of Δ -source inverter

..... FANG Xupeng , TIAN Yingying , WANG Minglei (94)

Fault diagnosis of rotating machinery gearbox based on random forest algorithm

..... WANG Zilan , YANG Rui (104)

Port logistics competitiveness evaluation based on comprehensive weighting method

..... WANG Yu , JI Qiaoling , LIU Qingkai , ZHANG Guowei (113)