

华北理工大学学报（自然科学版）

2017年第2期

第39卷第2期

(总第144期)

目 次

矿冶工程

- 拟稳平差在高铁线下沉降观测中的应用 刘佳丽, 张永彬, 汲 姣(1)
云模型在小区域 GNSS 高程拟合中的应用 宋利杰, 李孟倩(6)
桑植—石门复向斜新元古-早古生代烃源岩特征 杨幸起, 张琳婷, 刘春红, 等(10)
遵化市刘备寨村岩溶塌陷地质灾害研究 申伟坤, 李昌存(16)
煤层开采上覆岩层移动规律的相似模拟试验研究及分析 张九零, 范酒源(20)
采煤沉陷区变形监测体系的构建方案 王 健, 杨久东, 宋利杰(26)

材料、化工

- 颗粒组成对刚玉质浇注料性能的影响 马玉龙, 王榕林, 刘一帆(31)
静电纺丝法制备 ZnO/活性炭复合纳米纤维材料 张思远, 张玉柱, 龙跃, 等(37)
泥土对混凝土性能的影响综述 封孝信, 刘 刚(46)

建筑、环境

- 混凝-水解酸化-好氧生化工艺处理山楂果脯生产废水 章鹏鹏, 魏瑞霞, 马路宁, 等(66)

机械、电子

- 转速对圆环链热浸镀铝振动系统影响 蔡玉强, 董晓蕊(72)
抛雪离心风机蜗壳内部流场分析 罗立颖, 冯 泽, 张 桓, 等(82)
基于嵌入式系统的物联网服务机器人 何 浩, 鲁红权, 戚晓晨, 等(92)
基于“互联网+工业”的传统磨矿自动化系统的改造 滕 章, 王建民(97)

数理科学、计算机

- SVM、BP 神经网络、线性回归的比较研究 韩 阳, 吕 由, 潘宇航, 等(104)
改进的灰色关联分析法在渔业水质评价中的应用 赵龙明, 卢 琪, 王 娜, 等(110)
基于等距聚类方法的改进及其应用 丁洪玲, 叶 静, 雷天宇, 等(115)

基于烟羽模型法对开放式小区的宏观评价 邢 锐,薛 莹,黄江浩,等(120)

期刊基本参数:CN13-1419/N * 1979 * q * A4 * 124 * zh * P * ¥ 10.00 * 700 * 18 * 2017-04

JOURNAL OF NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY
(Natural Science Edition)

No. 2,2017

No. 2 Vol. 39

(Sum,144)

CONTENTS

Mining Engineering and Metallurgical Engineering

- Application of Quasi-stable Adjustment in Underline Settlement Measurement for High-speed Railway LIU Jia-li, ZHANG Yong-bin, JI Jiao (1)
Application of Cloud Model in GNSS Height Fitting in Small Area SONG Li-jie, LI Meng-qian (6)
Source Rocks Characteristics of Neo-proterozoic to Early Paleozoic in Sangzhi-Shimen Synclinorium YANG Xing-qin, ZHANG Lin-ting, LIU Chun-hong , etc (10)
Research on Geological Hazard of Karst Collapse in Liubeizhai Village of Zunhua City SHEN Wei-kun, LI Chang-cun(16)
Similar Simulation Test Research and Analysis on Overburden Movement Law of Seam Mining ZHANG Jiu-ling, FAN Jiu-yuan(20)
Plan of Deformation Monitoring System Construction for Mining Subsidence Area WANG Jian, YANG Jiu-dong, SONG Li-jie(26)

Material and Chemical Engineering

- Effect of Particle Size Distribution on Properties of Corundum Castable MA Yu-long, WANG Rong-lin, LIU Yi-fan (31)
Preparation of ZnO/Active Carbon Composite Nanofibers by Electrospinning Method ZHANG Si-yuan, ZHANG Yu-zhu, LONG Yue , etc (37)
A Review of Effect of Clay on Performance of Concrete FENG Xiao-xin, LIU Gang (46)

Architectural Science and Environmental Science

- Treatment of Hawthorn Preserves Wastewater by Coagulation- Hydrolysis and Acidification- Aerobic Bio-chemical Process ZHANG Peng-peng, WEI Rui-xia, MA Lu-ning , etc (66)

Machinery and Electronics

- Effect of Rotating Speed on Vibration System Parameters of Ring Chain Hot Dip Aluminizing CAI Yu-qiang, DONG Xiao-rui (72)
Internal Flow Field Analysis of Spiral Case of Centrifugal Fan Used for Throwing Snow JU Li-ying, FENG Ze, ZHANG Huan, etc (82)
Service Robot for Internet of Things Based on Embedded System HE Hao, LU Hong-quan, QI Xiao-chen, etc (92)

Transformation of Traditional Grinding Automation System Based on Internet+ Industry	TENG Zhang, WANG Jian-min (97)
Comparison of SVM, BP Neural Network and Linear Regression	HAN Yang, LV You, PAN Yu-hang, etc (104)
Application of Improved Grey Correlation Analysis Method in Fishery Water Quality Assessment	ZHAO Long-ming, LU Qi, WANG Na, etc (110)
Improvement of An Isometric Clustering Method and Its Application	DING Hong-ling, YE Jing, LEI Tian-yu, etc (115)
Macro-evaluation of Open Communities Based on Gaussian Plume Model	XING Rui, XUE Ying, HUANG Jiang-hao, etc (120)