

常州大学学报(自然科学版)

第 32 卷 第 3 期(总第 132 期)

2020 年 5 月

期刊基本参数:CN 32-1822/N * 1989 * b * A4 * 96 * zh * P * ¥18.00 * 500 * 12 * 2020-05

目 次

材料科学与工程

- 氨基苄共聚物/ TiO_2 杂化物的制备及其应用 李 坚,贾 正,宗式尧,汪称意,任 强(1)
- 聚乙烯/多壁碳纳米管复合纤维的制备及性能 成骏峰,曹 峥,吴 盾,刘春林(11)

环境科学与工程

- 杀螟丹和重金属对费氏弧菌的联合毒性效应 肖 娴,朱 艳,郭梦炜,孙辰鹏,赵 远(18)
- 河道底泥轻质陶粒的制备及性能 徐 朦,龚佳豪,周美成,董良飞(25)

石油与天然气工程

- 天然裂缝角度对水力压裂的影响数值分析 张 健,王金意,荆铁亚,张国祥,马海春(34)
- 非轴向速度分量对超声波流量计声道速度测量的影响 卢林冲,赵会军,唐金勇(40)

机械制造及其自动化

- 基于组合策略的无人艇路径规划方法 吴 鹏,周倩如,余 双,段锁林,张 屹(47)
- 一种新型单输入 3T1R 输出并联机构设计及其运动学分析 王一熙,沈惠平,孟庆梅,邓嘉鸣(53)

安全工程

- 围护结构材料对防火型家用救生舱绝热性能的影响分析
..... 周年勇,段 锋,徐慕豪,王庆荣,郭 强(63)
- 深度信念网络在管道故障诊断中的应用 王新颖,张惠然,黄旭安,张瑞程,赵 斌,张 颖(71)

热能工程

- 基于 PID 的电加热锅炉控制算法研究 束云豪,王政伟(79)

土木工程

- 隧道火灾下气凝胶复合混凝土强度经时变化 陈春红,朱平华,陈世洲(86)

Contents

Materials Science and Engineering

- Preparation of Amine-Containing Fluorene Copolymers/TiO₂ Hybrids and Its Application
..... LI Jian, JIA Zheng, ZONG Shiyao, WANG Chenyi, REN Qiang(1)
Preparation and Properties of Polyethylene/Multi-Walled Carbon Nanotubes Composite Fibers
..... CHENG Junfeng, CAO Zheng, WU Dun, LIU Chunlin(11)

Environmental Science and Engineering

- Joint Toxicity of Cartap and Heavy Metals on *Vibrio fischeri*
..... XIAO Xian, ZHU Yan, GUO Mengwei, SUN Chenpeng, ZHAO Yuan(18)
Study on Preparation and Performance of Lightweight Ceramsite Made of River Sediment
..... XU Meng, GONG Jiahao, ZHOU Meicheng, DONG Liangfei(25)

Oil and Natural Gas Engineering

- Numerical Analysis of the Influence of Natural Fracture Angle on Hydraulic Fracturing
..... ZHANG Jian, WANG Jinyi, JING Tieya, ZHANG Guoxiang, MA Haichun(34)
Effects of Non-Axial Velocity Component on the Measurement of Acoustic Path's Velocity of Ultra-
sonic Flowmeter LU Linchong, ZHAO Huijun, TANG Jinyong(40)

Mechanical Manufacture and Automation

- Research on Unmanned Surface Vehicle Path Planning Based on Composition Control Strategy
..... WU Peng, ZHOU Qianru, YU Shuang, DUAN Suolin, ZHANG Yi(47)
Design and Kinematics Analysis of a Novel 3T1R Parallel Mechanism with Single Degree of Freedom
..... WANG Yixi, SHEN Huiping, MENG Qingmei, DENG Jiaming(53)

Safety Engineering

- Effect of Enclosure Structure Material on Thermal Insulation Performance of Fireproof Home Rescue
Cabin ZHOU Nianrong, DUAN Feng, XU Muhao, WANG Qingrong, GUO Qiang(63)
Application Research of Deep Belief Network in Pipeline Fault Identification
WANG Xinying, ZHANG Huiran, HUANG Xu'an, ZHANG Ruicheng, ZHAO Bin, ZHANG Ying(71)

Thermal Engineering

- Research on PID Control Algorithm of Electric Heating Boiler
..... SHU Yunhao, WANG Zhengwei(79)

Civil Engineering

- Study on Strength Variation of Aerogel Composite Concrete Exposed to Tunnel Fire
..... CHEN Chunhong, ZHU Pinghua, CHEN Shizhou(86)