

# 常州大学学报(自然科学版)

第 31 卷 第 4 期(总第 127 期)

2019 年 7 月

期刊基本参数:CN 32-1822/N \* 1989 \* b \* A4 \* 96 \* zh \* P \* ¥8.00 \* 500 \* 12 \* 2019-07

## 目 次

### 安全工程

- 聚烯烃无卤阻燃研究进展 ..... 欧红香,叶青,蒋军成,薛洪来,徐家成,刘犇(1)  
以危险化学品重大危险源为重点监控对象的安全环保监管平台建设研究 .....  
孙俭,刘聪,陈涛,袁宏永(9)  
基于 FLACS 的汽油槽车运输泄漏爆炸事故数值模拟研究 .....  
徐大用,蒋会春,姜威,马建斌,陈发明<sup>1</sup>,习树峰(16)  
1-AGO-GM(1,1)模型的构建及其在火灾死亡人数预测中应用 ..... 杨坦,蒋亚龙,孙志豪(26)

### 材料科学与工程

- PDMS/SiO<sub>2</sub>/PVDF/KH-550 超疏水铜网的制备 ..... 罗钟琳,李炎,段聪,王艳宾,王标兵(31)  
Mg 对机械能助渗铝锌渗层组织的影响 .....  
彭浩平,徐宁,何祖新,王建华,涂浩,沈圣哲,苏旭平(39)

### 环境科学与工程

- 宽光谱吸收 TaON/BiO<sub>1.2</sub>I<sub>0.6</sub> 制备及甲苯降解研究 .....  
王少莽,关媛,陆武,翁彭,刘亮,李忠玉(45)  
高铁酸盐去除污水处理厂出水中的药物残留物 ..... 周正伟,张晓峰(52)

### 机械制造及其自动化

- 气泡体积分数对液相湍流流场和减阻率的影响 ..... 庞明军,张展,谢程程(57)  
考虑尖峰电价的节能减排机组组合 ..... 张晓花,朱陈松,张嘉伟,朱正伟(70)

### 生物医学工程

- 环境因素和过敏性疾病 ..... 周晓鹰,唐颖娟,魏涛,刘杰(76)  
血脑屏障渗透模型 PAMPA 的构建及其条件优化 .....  
付莹,吕金鹏,李文建,丁淑敏,柳丽,宋国强(86)

# Journal of Changzhou University(Natural Science Edition)

Vol. 31 No. 4(Sum No. 127)

Jul. 2019

## Contents

### Safety Engineering

Research Progress on Halogen-Free Flame Retardant of Polyolefins .....	.....
..... OU Hongxiang, YE Qing, JIANG Juncheng, XUE Honglai, XU Jiacheng, LIU Ben(1)	
Study on Construction of Work Safety Supervision Platform with Major Hazard Installations as Key Monitoring Object .....	SUN Jian, LIU Cong, CHEN Tao, YUAN Hongyong(9)
CFD Simulation of Gasoline Tanker Transportation Explosion Using FLACS .....	
..... XU Dayong, JIANG Huichun, JIANG Wei, MA Jianbin, CHEN Faming, XI Shufeng(16)	
Construction of 1-AGO-GM (1,1) Model and Its Application in the Prediction of Fire Death .....	...
..... YANG Tan, JIANG Yalong, SUN Zhihao(26)	

### Materials Science and Engineering

Preparation of PDMS/SiO <sub>2</sub> /PVDF/KH-550 Superhydrophobic Copper Mesh .....	.....
..... LUO Zhonglin, LI Yan, DUAN Cong, WANG Yanbin, WANG Biaobing(31)	
Effect of Mg on Mechanically Assisted Infiltration of Aluminum-Zinc Layer .....	
... PENG Haoping, XU Ning, HE Zuxin, WANG Jianhua, TU Hao, SHEN Shengzhe, SU Xuping(39)	

### Environmental Science and Engineering

Preparation of TaON/BiO <sub>1.2</sub> I <sub>0.6</sub> with Wide Spectrum Absorption for Purification of Toluene .....	...
..... WANG Shaomang, GUAN Yuan, LU Wu, WENG Peng, LIU Liang, LI Zhongyu(45)	
Removal of Pharmaceutical Residues Spiked in Effluent from Wastewater Treatment Plant by Ferrate (VI) .....	ZHOU Zhengwei, ZHANG Xiaofeng(52)

### Mechanical Manufacture and Automation

Effect of Bubble Void Fraction on Drag-Reducing Rate and Liquid Turbulent Flow Field .....	.....
..... PANG Mingjun, ZHANG Zhan, XIE Chengcheng(57)	
Cost-Emission Unit Commitment Considering Critical Peak Pricing .....	
..... ZHANG Xiaohua, ZHU Chensong, ZHANG Jiawei, ZHU Zhengwei(70)	

### Biomedical Engineering

Environmental Factors and Allergic Diseases .....	
..... ZHOU Xiaoying, TANG Yingjuan, WEI Tao, LIU Jie(76)	
Model Establishment and Optimized Conditions of PAMPA for Blood-Brain Barrier .....	
..... FU Ying, LYU Jinpeng, LI Wenjian, DING Shumin, LIU Li, SONG Guoqiang(86)	