

# 学 报

JOURNAL OF JI LIN INSTITUTE OF  
CHEMICAL TECHNOLOGY

第37卷 第3期 ,37 No.3

二〇一〇年

第三十七卷

第三期

(总第二三九期)

ISSN 1007-2853



万方数据

2020

中国·吉林 JILIN·CHINA

## 目 次

三氟甲基基团的主侧链位置对聚芳醚酮材料性能影响的研究

..... 王永鹏,王洪涛,陶俊逸,张清文,霍昕彤,刘梦竹,张海博 (1)

基于静电纺丝法构建用于药物可控释放的醋酸羟丙甲基纤维素琥珀酸酯纳米材料的研究

..... 刘梦竹,郝学艳,孙伟,陶俊逸,王永鹏 (6)

GO-SiO<sub>2</sub>-CMC 修饰玻碳电极制备生物传感器对 VB<sub>6</sub> 的痕量检测研究

..... 信宇航,宋蕊,孙启元,高迪,崔萌 (15)

吉林省松花江干流化学需氧量和氨氮水环境容量特征研究

..... 董春欣,佟亮亮,陈立波,李成日,徐亚茹 (20)

一株降解石油烃假单胞菌的鉴定及降解特性 ..... 刘虹,曾繁城,高鹏飞 (24)

某药厂建设项目安全设施设计 ..... 段庆微,王泽恒,陆华 (28)

景天三七总酚酸的提取工艺及抗氧化性研究 ..... 杨艳俊,杨秀东,王亚红 (33)

小鼠股骨远端缺损植入模型的构建 ..... 孙莹霄,廖贊,欧阳丽萍,宋文刚 (38)

污泥低温驯化及其对农村生活污水处理效果的研究 ..... 黄秋婷,薛天福,杨梅,金朝辉 (43)

质子交换膜燃料电池流道尺寸的数值模拟 ..... 孟庆然,田爱华,陈海伦,刘金东 (48)

热式气体质量流量计的设计 ..... 苏燕云,孙明 (53)

一款新型翻转式垃圾桶的设计 ..... 刘维维,张耀娟,李彭辉,周海洋 (59)

基于热力学分析的 FDM3D 彩色打印喷头结构优化 ..... 宋桂阳,甘新基,王志豪 (63)

脑血栓康复训练器的机械结构设计 ..... 张崔禹,徐朝阳,许浩男,陈雪,刘通 (67)

一种角度融合算法在姿态角解算中的应用 ..... 张振涛,王娟 (73)

管壳式换热器动态过程实时仿真 ..... 田傲,杨旭,王雪晶,沈阳,曹玉波 (77)

人体活动识别数据集的数据处理方法 ..... 钟楚轶,朱建军 (81)

QY200 型液压支架立柱优化设计分析 ..... 郑典亮,孙婉婷,周莉,宇迪 (85)

基于无线传感网络收集设备最佳传输策略研究 ..... 陶忠良 (91)

基于风险价值的铁路货运安全模型 ..... 雷小萱,杨月婷,邢福娜,李艳冉 (96)

## CONTENTS

The Properties of Poly( aryl ether ketone) Materials Affected by The Main/side Chain Position of Trifluoromethyl Group .....	WANG Yongpeng, WANG Hongtao, TAO Junyi, ZHANG Qingwen, HUO Xintong, LIU Mengzhu, ZHANG Haibo (1)
Optimization of Electrospinning Hydroxypropyl Methylcellulose Acetate Succinate( HPMCAS) Micro-Nanofibers for Drug Controlled Release .....	LIU Mengzhu, HAO Xueyan, SUN Wei, TAO Junyi, WANG Yongpeng (6)
Trace Detection of VB <sub>6</sub> by Biosensor Prepared by GO-SiO <sub>2</sub> -CMC Modified Glassy Carbon Electrode .....	XIN Yuhang, SONG Rui, SUN Qiyuan, GAO Di, CUI Meng (15)
Study on the Water Environmental Capacity of the Chemical Oxygen Demand and Ammonia Nitrogen in the Main Stream of Songhua River in Jilin City .....	DONG Chunxin, TONG Liangliang, CHEN Libo, LI Chengri, XU Yaru (20)
Identification and Degradation Characteristics of a Strain of Pseudomonas .....	LIU Hong, ZENG Fancheng, GAO Pengfei (24)
Safety Facilities Design of a Pharmaceutical Plant Construction Project .....	DUAN Qingwei, WANG Zeheng, LU Hua (28)
Study on the Extraction of Total Phenolics and Antioxidant Activity of Sedum aizoon L. ....	YANG Yanjun, YANG Xiudong, WANG Yahong (33)
Establishment of An Implant Defection Model in Mouse Femur .....	SUN Yingxiao, LIAO Yun, OUYANG Liping, SONG Wengang (38)
Study on Low Temperature Acclimation of Sludge and its Effect on Rural Domestic Sewage Treatment .....	HUANG Qiuting, XUE Tianfu, YANG Mei, JIN Zhaohui (43)
Numerical Simulation of Flow Channel Size of Proton Exchange Membrane Fuel Cell .....	MENG Qingran, TIAN Aihua, CHEN Hailun, LIU Jindong (48)
Design of Thermal Gas Mass Flowmeter .....	SU Yanyun, SUN Ming (53)
Design of a New Turnover Trash .....	LIU Weiwei, ZHANG Yaojuan, LI Penghui, ZHOU Haiyang (59)
Structure Optimization of FDM3D Color Printing Head based on Thermodynamic Analysis .....	SONG Guiyang, GAN Xinji, WANG Zhihao (63)
Mechanical Structure Design of Brain Thrombosis Rehabilitation Trainer .....	ZHANG Cuiyu, XU Zhaoyang, XU Haonan, CHEN Xue, LIU Tong (67)
Application of an Angle Fusion Algorithm in Attitude Angle Solution .....	ZHANG Zhentao, WANG Juan (73)
Simulation Real Time for Dynamic Process of the Shell and Tube Heat Exchanger .....	TIAN Ao, YANG Xu, WANG Xuejing, SHENG Yang, CAO Yubo (77)
Human Activity Recognition based on Wearable Sensor Dataset and Convolutional Neural Network .....	ZHONG Chuyi, ZHU Jianjun (81)
Optimization Design Analysis on Column of QY200 Hydraulic Support .....	ZHENG Dianliang, SUN Wanting, ZHOU Li, YU Di (85)
Research on Optimal Transmission Strategy based on Wireless Sensor Network .....	TAO Zhongliang (91)
A Railway Freight Safety Model based on Value at Risk .....	LEI Xiaoxuan, YANG Yueting, XING Fun, LI Yanran (96)