

中国高校特色科技期刊

ISSN 1007-2853

CN 22-1249/TQ

吉林
化工
学院
学报

吉林化工学院 学报

JOURNAL OF JILIN INSTITUTE OF
CHEMICAL TECHNOLOGY

第37卷 第11期 Vol.37 No.11



二〇二〇年

第三十七卷

第十一期

(总第二四七期)



2020 11

中国·吉林 JILIN·CHINA

万方数据

目 次

1-苯基偶氮-2-萘酚和 1-(2-硝基苯基偶氮)-2-萘酚的合成及光谱研究	吴 平,唐晓东,任 红,芦 菲,孟凡飞 (1)
聚硅酸铝钙-纤维素复合絮凝剂的絮凝性能研究	王润楠,张 浩,娄大伟 (4)
基于 STM32 温湿度采集的播种机器人控制系统设计	王 影,徐姣姣,刘 麒,李宝华,苟 垚,张 野 (9)
基于差分数字化递推关系模型的二阶系统动态过程实时仿真	曹玉波,张春山,王雪晶,陆海东 (17)
发电机单相短路时非故障相电压谐波特性分析	辛 鹏,刘亚丹 (21)
过共晶 Al-Mg ₂ Si 合金材料研究进展	杜 阳,索忠源,路大勇 (24)
环氧树脂/碳纤维导热复合材料研究进展	李海龙,姚姗姗,金范龙 (28)
Ag ₃ PO ₄ /Fe ₃ O ₄ /GO 复合催化剂的制备及其可见光催化性能	金 华,王珊珊,陈 杰,赵思琪,韩 磊,刘 蓉,姚彭博 (33)
基于矢量坐标阵的 NC 宏程序定制	王守鹏,单晓坤 (39)
基于 CATIA 的某型叶轮数控加工与仿真优化研究	钟佳诚,户凤荣 (46)
锥栗乳酸菌风味发酵饮料的研发及成分稳定性分析.....	黄 妍 (51)
气动软体驱动器的设计.....	秦 鹏,刘晓敏,耿晓琳,田德宝,孙国栋 (57)
网络式气动软体驱动器设计、制造与实验	田德宝,郝思琦,赵云伟,陈芳芳,孙国栋 (61)
智能气囊式颈椎牵引器的设计及性能试验.....	刘 成,王 霞,张 啸,廖凌峰,戚 索 (65)
单向弯曲关节结构功能和静力学性能研究.....	孙国栋 (70)
基于双自由度减震悬架的雪橇结构设计与仿真分析.....	王志豪,黄伟峰,吉冰倩,郝北方,甘新基 (74)
一种带辅助光源可升降的智能学习桌设计与实现.....	刘 宁,李楠舟,尤 田 (79)
随机环境中具有迁移的两性分枝过程的极限性质	任 敏,王晶晶 (85)
关于交换环上矩阵嵌入可逆矩阵的一些条件	郭小芳,谭宜家 (91)
基于因子分析下影响居民生活水平因素分析 ——以安徽省为例.....	李 杰,张红兵,屠瑶瑶 (94)

CONTENTS

- Synthesis and Spectroscopic Study of 1-Phenylazo-2-Naphthol and 1-(2-Nitrophenylazo)-2-Naphthol
 *WU Ping, TANG Xiaodong, REN Hong, LU Fei, MENG Fanfei* (1)
- Study on Flocculation Performance of Polyaluminum Calcium Silicate-Cellulose Composite Flocculant
 *WANG Runnan, ZHANG Hao, LOU Dawei* (4)
- Design of Control System of Seeding Robot based on STM32 Temperature and Humidity Acquisition
 *WANG Ying, XU Jiaojiao, LIU Qi, LI Baohua, GOU Yao, ZHANG Ye* (9)
- Simulation Real-time for Dynamic Process of Second Order System based on Digital Model of Difference
 *CAO Yubo, ZHANG Chunshan, WANG Xuejing, LU Haidong* (17)
- Analysis of Non-Fault-Phase Voltage Harmonic Characteristics of Generator with Single Phase Short Circuit
 *XIN Peng, LIU Yadan* (21)
- Research Progress of Al-Mg₂Si Hypereutectic Alloy Materials *DU Yang, SUO Zhongyuan, LU Dayong* (24)
- Research Progress of Epoxy Resin/Carbon Fiber Thermal Conductive Composite
 *LI Hailong, YAO Shanshan, JIN Fanlong* (28)
- Fabrication and Visible-light Photocatalytic Performance of Ag₃PO₄/Fe₃O₄/GO Photocatalyst
 *JIN Hua, WANG Shanshan, CHEN Jie, ZHAO Siqi, HAN Lei, LIU Rong, YAO Pengbo* (33)
- NC Macro Program Customization based on Vector Coordinate Array *WANG Shoupeng, SHAN Xiaokun* (39)
- Research on Numerical Control Machining and Simulation Optimization of a Impeller based on CATIA
 *ZHONG Jiacheng, HU Fengrong* (46)
- Development and Component Stability Analysis of Fermented Beverage by Lactic Acid Bacteria from
 Castanea Henryi *HUANG Yan* (51)
- Design of Pneumatic Soft Driver *QIN Peng, LIU Xiaomin, GENG Xiaolin, TIAN Debao, SUN Guodong* (57)
- Design, Manufacture and Experiment of Network Pneumatic Soft Driver
 *TIAN Debao, HAO Siqi, ZHAO Yunwei, CHEN Fangfang, SUN Guodong* (61)
- Design and Performance Test of the Intelligent Air Bag Cervical Traction Device
 *LIU Cheng, WANG Xia, ZHANG Xiao, LIAO Lingfeng, QI Suo* (65)
- Study on Structural Function and Static Properties of Unidirectional Bending Joint *SUN Guodong* (70)
- Design and Simulation Analysis of Sled Structure based on Dual-degree-of-freedom Damping Suspension
 *WANG Zhihao, HUANG Weifeng, JI Bingqian, HAO Beifang, GAN Xinji* (74)
- Design and Realization of a Lifiable Intelligent Study Desk with Auxiliary Light Source
 *LIU Ning, LI Nanzhou, YOU Tian* (79)
- Limiting Behaviors of the Bisexual Branching Processes with Migration in Random Environments
 *REN Min, WANG Jingjing* (85)
- Some Conditions for a Matrix to be Embeddable in an Invertible Matrix over a Commutative Ring
 *GUO Xiaofang, TAN Yijia* (91)
- Analysis of Factors Affecting Residents' Living Standard based on Factor Analysis-A Case Study of Anhui
 Province *LI Jie, ZHANG Hongbing, TU Yaoyao* (94)