

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

JOURNAL OF JILIN INSTITUTE OF
CHEMICAL TECHNOLOGY

第36卷 第7期 Vol.36 No.7



2019 7

中国·吉林 JILIN·CHINA

吉林化工学院学报

二〇一九年

第三十六卷

第七期

(总第三三二期)

目 次

卟啉铂配合物的结构和光谱性质的量子理论研究 张建坡,丛 丽,井玉琪,刘 贺,金 丽 (1)

高效液相色谱法测抗氧剂 3052 的含量 郭俊麟,佟喜旺,王 盟,史梦婷,于丽颖 (7)

胭脂红和苋菜红与石墨烯/CdTe 量子点复合物相互作用的对比研究
..... 张棵实,关雨峰,张建坡,金 丽 (10)

含有凹坑缺陷的发酵罐安全评定及静力分析 林国庆,时 黛,高 嵩 (14)

医用复合柱塞泵 刘兴德,何冬至,郭雅楠,张 英 (20)

MOLDFLOW 在优化空调外壳支架注射成型工艺中的应用 赵会娟,尹小定 (24)

磁导航 AGV 结构设计与控制策略 林新英 (30)

气动柔性关节六足机器人腿关节提升机构设计与仿真 刘 齐,孙国栋 (36)

菠萝削皮机的结构设计 郝思琦,刘 洋,张志强,孙兆国 (40)

排插前盖注塑模具的设计 陈 文,林宗德,彭清和,王文武 (43)

基于 Zigbee 网络的智能播种机器人关键技术研究
..... 王 影,梁 凯,刘 麒,李 硕,苟 垚,李宝华,刘锦然 (48)

恒压供水自动控制实验系统设计 曹玉波,赵明丽,周琦祥,杨 莹 (52)

基于 HTML5 智能事务网站即时通讯的设计与研究 李双远,周志晖 (56)

SWMM 子汇水区产汇流水文概念模型及参数赋值研究 宋新伟,高玉兰,沈冬梅,涂有笑 (61)

基于田口方法的生态环境敏感性评估方法研究 张 乐 (67)

优化补料同步糖化发酵玉米穗产燃料乙醇的研究 李婷婷,薛天福,宋长虹,杨 梅 (72)

某电厂高温再热蒸汽管道内壁开裂原因分析与处理 孙 旭 (76)

改进的无监督同时正交基聚类特征选择 钱有程 (80)

一个非负矩阵谱半径的对角迭代算法 商钰莹,张美黎,高 丹 (86)

固体氧化物燃料电池电解质 GDC 掺杂 $\text{Li}_2\text{CO}_3, \text{Na}_2\text{CO}_3$ 材料的结构和导电性能研究
..... 孙翠翠,孟祥伟,吕世权,张彦磊,王立忠 (91)

CONTENTS

Quantum Theory Research on Structures and Spectroscopic Properties of Ptcomplexes with the π -Extended Porphyrins Ligand	ZHANG Jianpo, CONG Li, JING Yuqi, LIU He, JIN Li (1)
Determination of Content in Antioxidant 3052 by HPLC	GUO Junlin, TONG Xiwang, WANG Meng, SHI Mengting, YU Liying (7)
Comparative Study on the Interaction between Ponceau 4R/Amaranth and Graphene/CdTe Quantum Dots Composites	ZHANG Keshi, GUAN Yufeng, ZHANG Jianpo, JIN Li (10)
Safety Assessment and Static Analysis of Fermentation Tank with Pits Defect	LIN Guoqing, SHI Dai, GAO Song (14)
The Medical Compound Plunger Pump	LIU Xingde, HE Dongzhi, GUO Yanan, ZHANG Ying (20)
MOLDFLOW Application on Optimizing Injection Molding Process of Air Conditioner Housing Bracket	ZHAO Huijuan, YIN Xiaoding (24)
Structural Design and Control Strategy of Magnetic Navigation AGV	LIN Xinying (30)
Design and Simulation of Leg Joint Lifting Mechanism of Pneumatic Flexible Joint Hexapod Robot	LIU Qi, SUN Guodong (36)
Structural Design of Pineapple Peel Machine	HAO Siqi, LIU Yang, ZHANG Zhiqiang, SUN Zhaoguo (40)
Design of Injection Mold for Front Cover of Arrangement and Insertion	CHEN Wen, LIN Zongde, PENG Qinghe, WANG Wenwu (43)
Research on Key Technology of Intelligent Seeding Robot based on Zigbee Network	WANG Ying, LIANG Kai, LIU qi, LI Shuo, GOU Yao, LI Baohua, LIU Jinran (48)
Experiment System Design of Constant Pressure Water Supply Automation Control	CAO Yubo, ZHAO Mingli, ZHOU Qixiang, YANG Ying (52)
Design and Research of Instant Communication based on HTML5 Intelligent Transaction Website	LI Shuangyuan, ZHOU Zhihui (56)
Study on Hydrological Conceptual Model and Parameter Assignment of SWMM Sub-catchment	SONG Xinwei, GAO Yulan, SHEN Dongmei, TU Youxiao (61)
Study on Ecological Environment Sensitivity Assessment Method based on Taguchi Method	ZHANG Le (67)
Study on the Production of Fuel Ethanol by Optimizing Feed Synchronized Saccharification and Fermentation of pulp of Corn Stalk	LI Tingting, XUE Tianfu, SONG Changhong, YANG Mei (72)
Failure Analysis and Settlement of High Temperature Reheat Steam Pipe of One Power Plant	SUN Xu (76)
Improved Unsupervised Simultaneous Orthogonal Basis Clustering Feature Selection	QIAN Youcheng (80)
A Diagonal Iterative Algorithm for the Spectral Radius of a Nonnegative Matrix	SHANG Yuying, ZHANG Meili, GAO Dan (86)
Structure and Electrical Conductivity of GDC Doped with Li_2CO_3 , Na_2CO_3 Electrolyte in Solid Oxide Fuel Cell	SUN Cuicui, MENG Xiangwei, LV Shiquan, ZHANG Yanlei, WANG Lizhong (91)