

目 次

- 氨基聚醚改性有机硅表面活性剂的合成研究 张 鹏,王 琪,陈 杰,王建刚 (1)
聚丙烯酸模板制备 PAA/PbCrO₄ 复合纳米颗粒 郑雪琳,翁家宝,吕习周,孟东利,黄志彬 (5)
钛酸锶钡陶瓷的结构及介电规律研究 乔自文,房美玉,路大勇,刘巧丽 (8)
Ti-Cu-Ni-Zr 块体非晶合金形成能力及其压缩性能 索忠源,王毅坚,石纯芳,孙晓峰 (11)
活性炭负载磷钨酸催化合成乙酸叔丁酯
..... 张 英,马丽芳,窦宏宇,杨美玲,张春柳,范琳琳,安 悅 (16)
纳米粉末 Zn_{0.2}Ca_{0.8}TiO₃:Pr 的合成与表征 王晓楠,左 斌 (19)
采用 HPLC 方法测定氟伐他汀钠分散片的含量 刘 郁,张念洁,刘连新,冷士良,孙婷婷 (23)
泥炭对石油降解菌最佳固定化条件的研究 刘 虹,张兰英,吴宇航,周广喜 (26)
便携式蓄冷保温箱结构优化 刘翠娜,张双喜,周恒勤,许冬梅,李美芹 (29)
破乳技术在石油炼制中的应用 刘欣佟 (34)
PD-PID 在打号机定位系统上的应用 张兴华,刘 华,王 卓 (37)
基于波前编码技术的照相系统设计 潘 超 (42)
基于 PLC 的粮食扦样自动控制系统设计 杨 莹,马得华,杨艳辉,曹玉波 (45)
电压相量测量仪设计 吴兴波,刘 刚,温明洋 (48)
决策滤波器在数据处理中的应用 魏 峰,余云霞 (52)
基于平均理论的仿生机器鱼航行控制技术研究 张 虹,陈玲玲 (55)
一种新型水暖气放风阀的设计 于东林,杨惠仁,胡瑞光,吕建涛,周新航,李 静,李高峰 (59)
活塞式压缩机热力计算的 Excel 解法 邢 雪,谷绪英 (62)
利用光反射测量铸铁的石墨含量 朱洪江 (66)
实时透测技术在役压力管道定期检验中的应用 胡宝林,曹国强,林红伟 (68)
水泥稳定再生混凝土骨料基层的性能研究 李成发,张立东 (71)
牛顿环实验数据处理分析 关文翠,徐炳兴 (74)
竞赛中优化问题建模与求解方法的比较研究 杨金远,林 峰 (77)
紧性与分离性的注记 赵树魁,刘杰操 (80)

期刊基本参数: CN 22 - 1249/TQ * 1984 * m * A4 * 82 * zh * P * ¥ 10.00 * 1500 * 24 * 2011 - 01

编辑部主任 丁 力 常务副主编 张国范 责任编辑 辛丽艳 高竞男 孟 磊 英文编辑 杨 潘

CONTENTS

Synthesis of polyether amino silicone modified surfactant	ZHANG Peng, WANG Kun, CHEN Jie, WANG Jian-gang (1)
Fabrication of PAA/PbCrO ₄ composite nanoparticles by PAA template method	ZHENG Xue-Lin, WENG Jia-Bao, LV Xi-Zhou, MENG Dong-Li, HUANG Zhi-bin (5)
Study on structural and dielectric law of barium strontium titanate ceramics	QIAO Zi-wen, FANG Mei-yu, LU Da-yong, LIU Qiao-li (8)
Glass-forming ability and compression properties of Ti-Cu-Ni-Zr bulk amorphous alloys	SUO Zhong-yuan, WANG Yi-jian, SHI Chun-fang, SUN Xiao-feng (11)
Synthesis of tert-butyl acetate by phosphotungstic acid as catalyst loading on activated carbon	ZHANG Ying, MA Li-fang, DOU Hong-yu, YANG Mei-ling, ZHANG Chun-liu, FAN Lin-lin, AN Yue (16)
Synthesis and characterization of nano-powder Zn _{0.2} Ca _{0.8} TiO ₃ :Pr	WANG Xiao-nan, ZUO Bin (19)
Determination of fluvastatin sodium dispersible tablets by HPLC	LIU Yu, ZHANG Nian-jie, LIU Lian-xin, LENG Shi-liang, SUN Ting-ting (23)
Research on the optimal immobilization conditions for petroleum-degrading bacteria with turf	LIU Hong, ZHANG Lan-ying, WU Yu-hang, ZHOU Guang-xi (26)
Structural optimization of the portable incubator with PCM	LIU Cui-na, ZHANG Shuang-xi, ZHOU Heng-qin, XU Dong-mei, LI Mei-qin (29)
Application of the demulsification technique in petroleum refining	LIU Xin-tong (34)
Application of PD-PID in the positioning system of the stamper	ZHANG Xing-hua, LIU Hua, WANG Zhuo (37)
Design of the photographic system based on wavefront coding technology	PAN Chao (42)
Design of PLC-based Automatic Control System for the Grain Sampling	YANG Ying, MA De-hua, YANG Yan-hui, CAO Yu-bo (45)
Design of the phase voltage measurement meter	WU Xing-Bo, LIU Gang, WEN Ming-yang (48)
Application of the decision-making filter in data processing	WEI Feng, YU Yun-xia (52)
Research on navigation control for canagiform robotic fish based on averaging theory	ZHANG Hong, CHEN Ling-ling (55)
Design of a novel relief valve for indoor radiator	YU Dong-lin, YANG Hui-ren, HU Rui-guang, LV Jian-tao, ZHOU Xin-hang, LI Jing, LI Gao-feng (59)
Thermodynamic calculation of piston compressor based on EXCEL	XING Xue, GU Xu-ying (62)
Measurement of the graphite content in iron casting based on light reflection	ZHU Hong-jiang (66)
Application of real-time measurement technology in periodic examination for on-line pressured pipeline	HU Bao-lin, ZENG Guo-qiang, LIN Hong-wei (68)
Mechanical and shrinkage properties of base materials of cement stabilized recycled concrete aggregate	LI Cheng-fa, ZHANG Li-dong (71)
Analysis of data processing in Newton's ring experiment	GUAN Wen-cui, XU Bing-xing (74)
Comparison of modeling and solution methods of the optimization problem in Mathematical Modeling Contest	YANG Jin-yuan, LIN Feng (77)
A Note on separation and compactness	ZHAO Shu-kui, LIU Jie-cao (80)