

目 次

化学化工

一步电合成聚黄尿酸-电化学还原氧化石墨烯复合纳米材料用于高灵敏检测氯霉素 鲁战光, 孔倩茜, 杨 涛(331)

12 种中草药粗提液抑真菌效果研究 陈蔚燕, 许良忠(336)

中成药药用胶囊中 4 种有毒金属元素测定方法 刘 鑫, 张玲帆, 王艳萍(341)

炮制温度对槐米中黄酮、鞣质含量及其抗氧化活性的影响 王 玲, 赵俊宏, 梁会丽, 杨 冉(346)

聚氨基环三磷腈的制备及性能分析 李 莉, 李 雪, 徐 路, 苏 倩, 唐林生(350)

AMP-95/DMF 混合溶剂热条件下镍微纳米链构筑的形成 陈 彬, 马德荣, 胡正水(355)

无粘结剂 V_2O_5 纳米线/CNT 电极的制备及电化学性能 刘宁安, 彭红瑞(360)

涂层颜填料色相、尺度与微观状态对热屏蔽效果的影响 郝美玲, 李少香, 曲银燕, 张凌波, 高红杰, 韩守习(365)

pH 冲击对磁性微氧活性污泥理化特性的影响 陈 睿, 马 平, 蓝惠霞, 兰善红(370)

厌氧条件下硫酸盐废水中硫化物生成的影响因素 鲁风芹, 李丛丛, 陈 睿(374)

材料科学与工程

分子量双峰分布聚乙烯 PE-SP2520 的高速流变性能 吴其晔, 张 娜, 慕晶霞, 李 鹏(378)

复合酶解法提取的天然杜仲胶结构及提胶效率分析 梁宁宁, 王颖悟, 夏 琳, 辛振祥, 张学俊(383)

一种适用于聚合物薄膜冷冻超薄切片的简易低温物理包埋技术 陈 利, 韩丽丽(387)

机电工程

复合材料薄壁梁模态的有限元分析 孙双双, 贾方武, 任勇生(390)

药芯焊丝焊接过程光谱特征波段分析与选择 张明贤, 贾传宝(396)

信息与控制工程

基于 HMM 和自组织映射的网络入侵检测算法 梁 潘(400)

基于半监督聚类理论的 MQAM 信号的盲识别 李苹苹, 孙钢灿, 申金媛, 刘润洁(405)

基于云计算的一种全新元数据管理方案 张韧志, 宋喜忠(410)

基于多元传感器的人机交互式 CNG 储气井腐蚀检测系统 王 珩, 苏真伟, 陈谋钦(416)

基于遗传算法优化的机器人非奇异终端滑模控制 余荣荣, 姚 乐(422)

利用 VSD 模型的中国致密气资源评价 蔡振华, 廖新维, 尚宝兵, 卢 宁, 王 欢(427)

数理科学

带有给定分布密度的三维相关随机表面模拟 王泽华(431)

循环的区组为 kite 型的相邻点不出现的平衡设计的构造 张 晶, 吴淑新(436)

科研之窗: 朱兆友教授及其科研团队 (封二、封三)

CONTENTS

Chemistry and Chemical Engineering

One-step Electrosynthesis of Poly (Xanthurenic Acid)-Reduced Graphene Oxide Nanocomposite for Highly Sensitive Detection of Chloramphenicol LU Zhan-guang, KONG Qian-qian, YANG Tao(331)

Antifungal Activities of Extracts from 12 Kinds of Chinese Medicinal Herbs CHEN Wei-yan, XU Liang-zhong(336)

Determination of 4 Toxic Metallic Elements in Medical Capsules of Chinese Traditional Medicines LIU Xin, ZHANG Ling-fan, WANG Yan-ping(341)

Effect of Processing Temperature on the Content of Tannins, Flavonoids and Their Antioxidant Activities in *Sophora Japonica* L. WANG Ling, ZHAO Jun-hong, LIANG Hui-li, YANG Ran(346)

Preparation and Property of Polyaminocyclotriphosphazene LI Li, LI Xue, XU Lu, SU Qian, TANG Lin-sheng(350)

Build of Chain-like Micro-Nano Nickel by Solvothermal Method in Mixed Solvent of AMP-95 and DMF CHEN Bin, MA De-rong, HU Zheng-shui(355)

Preparation and Electrochemical Properties of Vanadium Oxide Nanowire-Carbon Nanotube Binder-Free Electrodes LIU Ning-an, PENG Hong-rui(360)

Influence of Size and Microstate of Coating Pigments and Fillers on effect of Heat Shield HAO Mei-ling, LI Shao-xiang, QU Yin-yan, ZHANG Ling-bo, GAO Hong-jie, HAN Shou-xi(365)

Effect of pH Shock on Physicochemical Characteristics of Magnetic Micro-Aerobic Activated Sludge CHEN Rui, MA Ping, LAN Hui-xia, LAN Shan-hong(370)

Factors Affecting the Sulfide Production in the Sulfate Wastewater Under Anaerobic Condition LU Feng-qin, LI Cong-cong, CHEN Rui(374)

Materials Science and Engineering

Rheological Properties of PE-SP2520 with Molecular Weight Distribution of Two Peaks WU Qi-ye, ZHANG Na, MU Jing-xia, LI Peng(378)

Analysis on Structure and Efficiency of *Eucommia Ulmoides* Gum Extracted in Composite Enzyme Treatment Method LIANG Ning-ning, WANG Ying-wu, XIA Lin, XIN Zhen-xiang, ZHANG Xue-jun(383)

One Simple Physical Embedding Technique of Polymer Film for Cryoultramicrotomy CHEN Li, HAN Li-li(387)

Electromechanical Engineering

Finite Element Analysis on Vibration Modes of Thin-walled Composite Beams SUN Shuang-shuang, JIA Fang-wu, REN Yong-sheng(390)

Analysis and Selection of Spectral Characteristic Band During Flux-cored Wire Arc Welding Process ZHANG Ming-xian, JIA Chuan-bao(396)

Information and Control Engineering

Algorithm of Network Intrusion Detection Based on HMM and Self-organize Mapping Net LIANG Pan(400)

Blind Recognition of MQAM Signals Based on Semi-supervised Clustering Theory LI Ping-ping, SUN Gang-can, SHEN Jin-yuan, LIU Run-jie(405)

A New Cloud-Based Metadata Management Solution ZHANG Ren-zhi, SONG Xi-zhong(410)

Human-Computer Interactive System Based on Multi-sensor for Corrosion Inspection of CNG Storage Well Wall WANG Heng, SU Zhen-wei, CHEN Mou-qin(416)

Nonsingular Terminal Sliding Mode Control of Robot Based on the Given Algorithm Optimization YU Rong-rong, YAO Le(422)

Evaluation of Tight Gas Potential in China Using VSD Model CAI Zhen-hua, LIAO Xin-wei, SHANG Bao-bing, LU Ning, WANG Huan(427)

Science of Mathematics and Physics

Simulation of 3-D Correlation-Random-Surface with Given PDF WANG Ze-hua(431)

Cyclic Balanced Sampling Plans Excluding Contiguous Units with Kites ZHANG Jing, WU Shu-xin(436)