

# 华侨大学学报

## (自然科学版)

· 2011年3月

总第 118 期

第 32 卷 第 2 期

## 目 次

### 综合述评

- Pd 催化交叉偶联反应研究进展 ..... 熊兴泉 (121)  
甘油脱水酶的研究进展 ..... 王庆花, 方柏山 (125)

### 学术论文

- 非球面塑料光学透镜收缩变形的数值分析 ..... 许建文, 刘斌 (130)  
一种基于能量模型的曲面展开改进算法 ..... 严国彪, 刘斌 (135)  
面向网络制造数据共享的分离映射法 ..... 吴豪, 顾立志, 洪琦 (140)  
复宗量厄米双曲余弦高斯光束在湍流大气中的传输特性 ..... 刘永欣, 蒲继雄, 陈子阳, 等 (145)  
数字图像的混合噪声去除 ..... 陈华玲, 冯桂 (150)  
一种基于支持向量机的数字音频认证方法 ..... 林晓丹 (153)  
一种经济型运动控制芯片数控系统的设计 ..... 石学雷, 郑力新 (156)  
AdHoc 网络在嵌入式 Linux 上的实现 ..... 王磊, 谢维波 (161)  
B3G 小区间干扰抑制技术 ..... 沈振汉, 黄华灿 (165)  
无索引空间数据库的基于最优点的集合最近邻查找算法 ..... 骆炎民, 陈维斌, 廖明宏 (169)  
Email 系统特征交互问题的  $\pi$ -演算检测 ..... 李文翔, 潘孝铭 (175)

- 利用 WIN 32 动态链接库的 TFTP 服务器的设计与实现 ..... 姜林美 (178)
- 久效磷分子印迹传感器的电化学响应特性 ..... 连惠婷, 陈娟娟, 薛艳, 等 (182)
- 樟脑不对称还原制备右旋龙脑小试 ..... 赵鹏, 黄颖芬, 韦莹莹, 等 (188)
- L-亮氨酸钙对小鼠股骨生长的影响 ..... 刘青, 甘林火, 邓爱华, 等 (191)
- 使用伪氨基酸组成和 BP 神经网络预测类弹性蛋白多肽的相变温度 ..... 黄凯宗, 张光亚 (194)
- CFRP 筋预应力锚具受力性能试验 ..... 叶勇, 郭子雄 (198)
- 闽南海相沉积土水泥土的强度特性分析 ..... 常方强, 涂帆 (203)
- 山体环境对建筑屋面风压影响的数值模拟 ..... 高志飞, 彭兴黔, 崔利民, 等 (207)
- 复合土钉支护的软土基坑开挖有限元模拟分析 ..... 俞缙, 王艳芳, 宋博学 (212)
- 一类双调和映照的单叶半径估计 ..... 夏小青, 黄心中 (218)
- Beurling-Ahlfors 扩张伸张函数在非光滑摄动下的稳定性 ..... 林峰 (222)
- 负二项分布的广义线性模型及其应用 ..... 陈卓恒 (226)
- 复杂单摆的 KAM 理论 ..... 梁建莉, 汤龙坤 (231)
- 研究简报**
- 提高 51 单片机 TCP 通信效率的软件方法 ..... 梅小华 (235)
- 隐藏行动模型中成本加酬金合同的激励机制 ..... 杨增海, 张云波, 章凌云, 等 (238)

JOURNAL OF HUAQIAO UNIVERSITY  
( NATURAL SCIENCE )

Vol. 32 No. 2

Sum. 118

Mar. 2011

CONTENTS

COMPREHENSIVE REVIEW

- Recent Advances in Pd-Catalyzed Cross-Coupling Reaction ..... XIONG Xing-quan (121)  
Recent Progress in Research of Glycerol Dehydratase ..... WANG Qing-hua, FANG Bai-shan (125)

ACADEMIC PAPERS

- Numerical Simulation of Shrinkage Deformation for Aspherical Plastic Optical Lens ..... XU Jian-wen, LIU Bin (130)  
An Improved Algorithm for Surface Flattening Based on Energy Model ..... YAN Guo-biao, LIU Bin (135)  
Separate-Mapping Method in Data Share Orientating the Network Manufacturing ..... WU Hao, GU Li-zhi, HONG Qi (140)  
Propagation Properties of Elegant Hermite-Coch-Gaussian Beams in a Turbulent Atmosphere ..... LIU Yong-xin, PU Ji-xiong, CHEN Zi-yang, et al (145)  
A Method of Mixed Noise Removal in Digital Image ..... CHEN Hua-ling, FENG Gui (150)  
An SVM-Based Digital Audio Authentication Method ..... LIN Xiao-dan (153)  
Design of Economical Numeric Control System Based on Motion Control Chip ..... SHI Xue-lei, ZHENG Li-xin (156)  
Implementation of AdHoc Network Based on Embedded Linux ..... WANG Lei, XIE Wei-bo (161)  
Research of Inter-Cell Interference Suppression Technique for B3G System ..... SHEN Zhen-han, HUANG Hua-can (165)  
An Algorithm of Aggregate Nearest Neighbor Query for Non-Index Spatial Database ..... Luo Yan-min, CHEN Wei-bin, LIAO Min-hong (169)  
Detection of Feature Interactions in Email System Based on  $\pi$ -Calculus ..... LI Wen-xiang, PAN Xiao-ming (175)

Design and Implementation of TFTP Server Based on WIN 32 Dynamic Link Library	JIANG Lin-mei (178)
Electrochemical Characteristic of Monocrotophos Molecularly Imprinted Sensor	LIAN Hui-ting, CHEN Juan-juan, XUE Yan, et al (182)
Amplified Laboratory Research of Asymmetric Reduction of Camphor to Dextral Borneol	ZHAO Peng, HUANG Ying-fen, WEI Ying-ying, et al (188)
Effect of L-Leucine Calcium on the Thighbone Growth of Mice	LIU Qing, GAN Lin-huo, DENG Ai-hua, et al (191)
Using Pseudo-Amino Acid Composition and BP Neural Network to Predict the Transition Temperature of Elastin-Like Peptides	HUANG Kai-zong, ZHANG Guang-ya (194)
Experimental Study on a Clamping Anchor System for Prestressed CFRP Rods	YE Yong, GUO Zi-xiong (198)
Study on Marine Deposit Soft Soil Cement in South Fujian	CHANG Fang-qiang, TU Fan (203)
Numerical Simulation of Wind Pressure on the Building Roof in the Mountain Environment	GAO Zhi-fei, PENG Xing-qian, CUI Li-ming, et al (207)
FEM Simulation of Composite Soil Nailing Supported Excavation in Soft Clay Pit	YU Jin, WANG Yan-fang, SONG Bo-xue (212)
On the Estimates of Univalent Radius for Certain Biharmonic Mappings	XIA Xiao-qing, HUANG Xin-zhong (218)
Stability of Dilatation Function of Beurling-Ahlfors Extension Under Non-Smooth Perturbation	LIN Feng (222)
Generalized Linear Model Based on Negative Binomial Distribution and Its Application	CHEN Zhuo-heng (226)
KAM Theory of the Complex Pendulum	LIANG Jian-li, TANG Long-kun (231)

## NOTES OF RESEARCH

A Software Method Improves the Transmission Efficiency with TCP Protocol for 51 Single Chip Microcomputer	MEI Xiao-hua (235)
Incentive Mechanism of Cost Plus Fee Contract on Hidden Action	YANG Zeng-hai, ZHANG Yun-bo, ZHANG Ling-yun, et al (238)

**Serial Parameters:** CN 35-1079/N \* 1980 \* b \* A4 \* 120 \* zh \* P \* ¥8.00 \* 1 000 \* 28 \* 2011-03 \* n