



ISSN 1000-5013
CN 35-1079/N
CODEN HDZIEF

华侨大学学报

(自然科 学 版)

JOURNAL OF HUAQIAO UNIVERSITY
(NATURAL SCIENCE)

第 34 卷 第 2 期
Vol. 34 No. 2

2013

中国·泉州

ISSN 1000-5013



03>

万方数据



华侨大学学报
(自然科学版)

2013年3月

总第130期

第34卷第2期

目 次

模具结构参数对橡胶介质胀形三通管的影响

..... 邹钱生, 刘斌 (121)

大空间火灾的数值模拟

..... 杜建华, 张认成, 丁环, 蒋少茵 (126)

基于离散元的多分辨率信号去噪新方法

..... 张江源, 林福泳 (130)

高压直流输电中换流器保护电路的仿真分析

..... 杜欣慧, 胡殿霞 (134)

利用 $\text{SiCl}_4/\text{Ar}/\text{H}_2$ 气体 ICP 干法刻蚀 GaAs 材料

..... 吕晓敏, 邱伟彬, 王加贤 (139)

基于光纤和偏振图像融合的无透镜傅里叶变换数字全息

..... 雷莎, 陈丽, 何贤飞, 胡义华, 雷亮 (143)

基于 dSPACE 的横向磁通永磁电机控制

..... 戴茵茵, 林宇洲 (147)

采用八方向 Gabor 滤波的指纹识别算法

..... 毛元, 冯桂, 汤继生 (151)

基于本体知识库的土地利用总体规划方法

..... 钟鸣, 邱炳文, 高建阳, 龙荣, 巫建伟 (156)

2-氨基-4,5-二甲基苯甲酸的合成

..... 罗婷, 程琳 (162)

群体感应系统的合成生物学研究进展

..... 胡译丹, 王兆守, 吴忻, 方柏山 (165)

- 以分子动力组学的方法探究嗜盐酶的嗜盐机理 王四华, 黄可君, 张光亚 (169)
- 水源地水库沉积物中生物硅的测定 李世雄, 郭沛涌, 明迅, 韩文亮 (176)
- 反胶束萃取阿魏酸酯酶 王镇发, 陈培钦, 邓秩韬, 谢晨, 李夏兰 (182)
- 框剪结构剪力墙中断的地震反应分析 黄鑫, 徐玉野, 王卫华 (186)
- 围桩平面布置及其内力分布的数值分析 孔祥营, 郑明新, 刘伟宏, 董超 (192)
- 地下建筑人员疏散的扩展元胞自动机模拟 李蒙, 李悦, 林从谋 (197)
- 考虑诱发各向异性的花岗岩残积土硬化土模型参数研究 郭力群, 黄耀星, 程玉果 (201)
- 泉州历代城墙范围演变与砌筑方式 郑剑艺, 刘攀 (205)
- 福建三地寺观建筑看架洞口开敞程度的气候适应性 薛佳薇 (210)
- 利用非参分位数回归模型分析金融市场的风险传染 陈燕武, 黄静菲 (215)
- 圆排列包装问题最优解解析 杨金勇, 宋海洲 (220)
- 某些调和函数的系数估计与像区域的近于凸性质 王其文, 黄心中 (225)
- 求解一类新的二次规划问题的时滞投影神经网络方法 刘德友, 牛九肖 (230)
- 推广的几乎可分解的 26 圈系 蒲利群, 方佳, 马俊 (236)

期刊基本参数: CN 35-1079/N * 1980 * b * A4 * 120 * zh * P * ¥8.00 * 1 000 * 25 * 2013-03 * n

JOURNAL OF HUAQIAO UNIVERSITY
(NATURAL SCIENCE)

Vol. 34 No. 2

Sum. 130

Mar. 2013

CONTENTS

- Influence of Mold Structure Parameters on T-Shapes Tubes by Compound Bulging
Using Rubber Medium ZOU Qian-sheng, LIU Bin (121)
- Numerical Simulation of Fires in Large Space DU Jian-hua, ZHANG Ren-cheng, DING Huan, JIANG Shao-yin (126)
- A New Method of Signal De-Noising by Multi-Resolution Analysis Based on Discrete
Element ZHANG Jiang-yuan, LIN Fu-yong (130)
- Simulation and Analysis of Protection Devices for Converter Station in High Voltage Direct
Current Transmission System DU Xin-hui, HU Dian-xia (134)
- ICP Dry Etching GaAs Materials by Using SiCl₄/Ar/H₂ Gases LYU Xiao-min, QIU Wei-bin, WANG Jia-xian (139)
- Lensless Fourier Transform Digital Holography Based on Polarization Image Fusion and
Optical Fiber LEI Sha, CHEN Li, HE Xian-fei, HU Yi-hua, LEI Liang (143)
- Control System for Transverse-Flux Permanent Magnet Motor Based on dSPACE
..... DAI Yin-yin, LIN Yu-zhou (147)
- Fingerprint Recognition Algorithm Based on the Eight Directions Gabor Filter MAO Yuan, FENG Gui, TANG Ji-sheng (151)
- Method of General Land Use Planning Based on Ontology Knowledge Base ZHONG Ming, QIU Bing-wen, GAO Jian-yang, LONG Rong, WU Jian-wei (156)
- Synthesis of 2-Amino-4,5-Dimethylbenzoic Acid LUO Ting, CHENG Lin (162)
- Research Progress of Synthetic Biology in Quorum-Sensing System HU Yi-dan, WANG Zhao-shou, WU Xin, FANG Bai-shan (165)

- Halophilic Mechanism of the Halophilic Enzymes Based on the Molecule Dynameomics
Method WANG Si-hua, HUANG Ke-jun, ZHANG Guang-ya (169)
- Determination Method of Biogenic Silica of Sediment in Water Source Reservoir
..... LI Shi-xiong, GUO Pei-yong, MING Xun, HAN Wen-liang (176)
- Purification of Feruloyl Esterase Using Reverse Micelles Extraction
..... WANG Zhen-fa, CHEN Pei-qin, DENG Yi-tao, XIE Chen, LI Xia-lan (182)
- Seismic Response Analysis of Shear Wall Interruption in Frame-Shear Wall Structure
..... HUANG Xin, XU Yu-ye, WANG Wei-hua (186)
- Numerical Analysis of Plan Arrangement and Internal Force of Surround Pile
..... KONG Xiang-ying, ZHENG Ming-xin, LIU Wei-hong, DONG Chao (192)
- Simulation on Evacuation of Underground Construction Using Extended-Cellular Automaton
..... LI Meng, LI Yue, LIN Cong-mou (197)
- Parameter Study on Hardening Soil Model of Granite Residual Soil under Induced
Anisotropy GUO Li-qun, HUANG Yao-xing, CHENG Yu-guo (201)
- Boundary Evolution and Construction Characteristics of Quanzhou City-Wall in History
..... ZHENG Jian-yi, LIU Gong (205)
- Climate Adaptability about Kanjia's Holes Open Degree of Temple Buildings in Three
Places of Fujian XUE Jia-wei (210)
- Research on Risk Contagion of Financial Markets by Using Nonparametric Quantile
Model CHEN Yan-wu, HUANG Jing-fei (215)
- Solving Circle Permutation Packing Problem
..... YANG Jin-yong, SONG Hai-zhou (220)
- Coefficient Estimate and Close-to-Convex Image Domain Property for Some Harmonic
Functions WANG Qi-wen, HUANG Xin-zhong (225)
- A Delayed Projection Neural Network for Solving a New Quadratic Programming
Problems LIU De-you, NIU Jiu-xiao (230)
- Generalized Almost Resolvable 26-Cycle Systems PU Li-qun, FANG Jia, MA Jun (236)

Serial Parameters: CN 35-1079/N * 1980 * b * A4 * 120 * zh * P * ¥8.00 * 1 000 * 25 * 2013-03 * n