

# 河南科学

2011年 第29卷 第5期

## 目次

|  |     |     |     |          |          |
|--|-----|-----|-----|----------|----------|
| 证明偶次 Argyris 型元适应性的新方法 .....                     | 郝晓斌 | 石东伟 | 石东洋 | (505)    |          |
| 一类切换模糊时滞系统的 $H_{\infty}$ 控制 .....                | 毛北行 | 喻军  | 孟晓玲 | 卜春霞(508) |          |
| 一个数论函数的九次均值公式 .....                              |     | 高丽  | 赵贞  | (511)    |          |
| 一类反向混合单调对称压缩算子方程解的存在与惟一性定理 .....                 |     | 宋益荣 | 刘洪运 | (514)    |          |
| 一类具有后向分支的 HTLV-I 模型 .....                        |     | 王彩霞 | 王战伟 | (517)    |          |
| 时间序列分析在粮食产量预测中的应用 .....                          | 王延停 | 杜院录 | 贾利新 | (520)    |          |
| 曲克芦丁钨配合物对 Heck 芳基化反应的催化性能研究 .....                | 时文中 | 徐启杰 | 潘庆才 | 崔元臣(524) |          |
| 松树皮吸附水溶液中铜离子的性能研究 .....                          | 邹婷  | 孙亚兵 | 付玉玲 | 王瑾瑜      | 缪虹(529)  |
| 新型硫化活性剂在天然橡胶中的应用研究 .....                         |     | 黄健恒 | 黄冠平 | (534)    |          |
| 氯化胆碱作为润滑剂研究 .....                                |     | 王向中 | 王毓民 | (538)    |          |
| 薄鳞蕨属 ( <i>Leptolepidium</i> )——河南中国蕨科一新记录属 ..... |     | 周士锋 | 闫双喜 | (541)    |          |
| 水苏无性系技术建立的研究 .....                               | 勾娇娇 | 宋家宝 | 刘松洋 | 徐娜       | 姜长阳(542) |
| 蛋白农药 HrpNEcc 防治大白菜软腐病试验 .....                    | 陈国参 | 王旭明 | 周伏忠 | 薛龙毅      | 谢宝恩(546) |
| 中尺度冰雹天气预警技术分析与研究 .....                           | 张玉峰 | 丁治英 | 王爱玲 | 常骤雨      | 王兴菊(550) |
| 2008年4月8日开封市大~暴雨过程分析 .....                       | 刘晓君 | 王长海 | 封心充 | (555)    |          |
| 膜材经向拉伸性能数值模拟 .....                               | 张杨  | 张毅刚 | 刘莎莎 | (558)    |          |
| 钢纤维高强混凝土抗拉强度 .....                               | 谢晓鹏 | 管巧艳 | 高丹盈 | (563)    |          |
| 小震下基于位移的高层框架-剪力墙结构失效相关性研究 .....                  | 朱俊锋 | 梅群  | 王东炜 | (567)    |          |
| 混凝土薄壁箱梁剪力滞效应的空间分析 .....                          | 林志春 | 魏保立 | 邓苗毅 | (571)    |          |
| 高层短肢剪力墙结构变形能力分析优化 .....                          | 王建祥 | 唐新军 | 李双喜 | (576)    |          |
| 桥梁施工阶段风险损失量化研究 .....                             | 束景晓 | 李杰  | 陈淮  | 董晓星(580) |          |
| 土壤固化剂稳定砂土性能试验研究 .....                            |     | 王小伟 | 王瑞山 | (583)    |          |
| 分布式系统失效检测器模型的研究 .....                            |     | 雷燕  | 丰雁  | (586)    |          |
| 滞后同步控制—超混沌系统 .....                               |     | 王东晓 | 霍瑞娜 | (591)    |          |
| 磁阻式与霍尔式接近开关性能比较 .....                            |     | 秦玉伟 | 张莹  | (595)    |          |
| 5 T 设备防雷现状及改进建议 .....                            |     |     | 曹宏斌 | (598)    |          |
| 基于 Web 的粮食银行管理系统研究与实现 .....                      |     | 何保荣 | 薛海燕 | (602)    |          |
| 基于 SketchUp 建模的虚拟楼盘设计与实现关键技术研究 .....             | 夏思文 | 甘淑  | 陈功凯 | (607)    |          |
| $^{60}\text{Co}$ 射线联合生物技术处理难降解造纸中段废水的研究 .....    |     |     |     |          |          |
| .....  | 张宏娜 | 宋卫东 | 李坤豪 | 王允       | 赵梅红(611) |
| 地质累积指数法在义马矿区土壤重金属及氟污染评价中的应用 .....                |     |     | 李绍生 | (614)    |          |
| 灰色 GM(1, 1) 模型在山区耕地预测中的应用研究 .....                | 刘海红 | 袁希平 | 甘淑  | 寇卫利      | 张俊宇(619) |
| 湖北省 1999—2008 年生态足迹动态测度与分析 .....                 |     | 燕子  | 苏欣欣 | 李红伟      | (623)    |
| 中部地区城市化进程中“转型社区”实证研究——以郑州市燕庄社区为例 .....           |     |     |     | 朱晓娟      | (626)    |

期刊基本参数: CN 41-1084/N\*1982\*m\*16\*126\*zh\*P\*¥10.00\*1 000\*33\*2011-05

# HENAN SCIENCE

Vol.29 No.5 2011.5

## CONTENTS

- A New Method for Proving the Well-Posedness of Even Order Argyris Type Triangular Elements ..... Hao Xiaobin et al (507)
- $H_\infty$  Control for a Class of Switching Fuzzy Time-Delay Systems ..... Mao Beixing et al (510)
- A Number Theoretic Function and Its 9-th Power Mean Value Formula ..... Gao Li Zhao Zhen (513)
- Existence and Uniqueness Theorem of Solution of Anti-Mixed Monotone Symmetric Compression Operator Equation .....  
..... Song Yirong Liu Hongyun (516)
- Backward Bifurcation of a HTLV-I Mode ..... Wang Caixia Wang Zhanwei (519)
- The Applications of Time Series Analysis in Grain Yield Prediction ..... Wang Yanting et al (523)
- Catalytic Properties of Troxerutin-Pd Complex for Heck Arylation Reaction ..... Shi Wenzhong et al (528)
- Biosorption Properties of Cu(II) Ions from Aqueous Solutions Using Pine Bark ..... Zou Ting et al (533)
- Study on the Application of a Novel Curing Active Agent to Natural Rubber ..... Huang Jianheng Huang Guanping (537)
- Study on Choline Chloride as a Lubricant ..... Wang Xiangzhong Wang Yumin (540)
- Leptolepidium* — A Newly Redorded Genus in Henan Province from China ..... Zhou Shifeng Yan Shuangxi (541)
- The Study on Establishment of Clone for *Stachys Japonica* ..... Gou Jiaojiao et al (545)
- A Preliminary Study of the HrpNEcc Protein on the Cabbage Soft Rotten Diseases ..... Chen Guocan et al (549)
- Analysis and Study of Alert Technique in Meso-Scale Hail Storm ..... Zhang Yufeng et al (554)
- Analyzing the Process of Big Heavy Rain on April 8, 2008 in Kaifeng City ..... Liu Xiaojun et al (557)
- The Numerical Simulation of Warp Membrane Tensile Test ..... Zhang Yang et al (562)
- Tensile Strength of Steel Fiber Reinforced High-Strength Concrete ..... Xie Xiaopeng et al (566)
- Displacement-Based Failure Dependence Study on High-Rise Frame-Shear-Wall Structures under Minor Earthquakes .....  
..... Zhu Junfeng et al (570)
- Spatial Analysis on Shear Lag Effect of Concrete Thin-Walled Box Girder ..... Lin Zhichun et al (575)
- Analysis and Optimization of Deformation Capacity on High-Level Short-Leg Shear Wall ..... Wang Jianxiang et al (579)
- Study on Quantization for Loss Degree of Risk in Bridge Erection ..... Shu Jingxiao et al (582)
- Experimental Study of Performance of Sandy Soil Stabilized by Soil Stabilizer ..... Wang Xiaowei Wang Ruishan (585)
- The Research of Distributed System Failure Detector Model ..... Lei Yan Feng Yan (590)
- Lag-Synchronization Control of a Hyper-Chaotic System ..... Wang Dongxiao Huo Ruina (594)
- Performance Comparison between Magneto-Resistive and Hall Proximity Switches ..... Qin Yuwei Zhang Ying (597)
- Present Situation and Improvement Recommendation of Protection Against Lightning Used in 5 T Equipments ..... Cao Hongbin (601)
- Research and Implement of Grain Bank and Its Management System Based on Web ..... He Baorong Xue Haiyan (606)
- Designing and Realizing Virtual Real Estate Based on SketchUp ..... Xia Siwen et al (610)
- Study on the Treatment of Non-Degradable Papermaking Wastewater by Irradiation Technology and Biotechnology .....  
..... Zhang Hongna et al (613)
- Application of Index of Geoaccumulation for Pollution of Heavy Metals and Fluorine in Yima Mining Areas ..... Li Shaosheng (618)
- The Study of Mountain Land Forecast Based on Grey GM(1,1) ..... Liu Haihong et al (622)
- Dynamic Calculation and Analysis of Ecological Footprint of Hubei Province from 1999 to 2008 ..... Yan Zi et al (625)
- The Empirical Study on the Transformation of the Community in Central Region in the Urbanization Process——Make Yanzhuang  
in Zhengzhou City as Example ..... Zhu Xiaojuan (630)