

目 次

数学与应用数学研究

- 犹豫模糊有序信息系统及其属性约简 贺艳平, 张海东 (1)
 一类四阶非线性系统的全局渐近稳定性 徐 静 (6)
 丢番图方程 $x^2-35y^2=1$ 与 $y^2-2^n z^2=1$ 的公解 李玉龙 (9)
 椭圆曲线 $y^2=7nx(x^2-8)$ 的整数点 万 飞, 周子晴, 王云娟 (12)
 城区公共自行车服务系统的分析研究 宋晓婷, 王春年 (15)
 基于多元统计分析的枸杞测评 李 靖, 卢 玮, 邢玉虎, 等 (19)

化学与化工研究

- 以 $\text{Ca}(\text{OH})_2$ 为模板碳化栲胶制备分级多孔碳 李广利, 张敬波, 毛文峰, 等 (23)
 $\text{Ce} + \text{XF}_3$ ($\text{X} = \text{N}, \text{P}$ 和 As) 反应产物的量子化学研究 李宇情, 郭雅洁, 黄正国 (29)
 板栗壳活性炭的制备及其吸附性能研究 贾献峰, 孙振起, 刘红艳, 等 (39)
 DDAB 功能化氧化石墨烯改性 TPU 薄膜的制备 吴 婷, 翁鑫如, 张于弛 (43)
 树脂胶粉在外墙外保温粘结剂的应用研究 刘会媛 (48)
 市售化妆水保湿性的测定及分析 刘佳媛, 郭小松 (52)

物理科学与技术

- 色噪声驱动下的随机共振现象 张 珍, 宋群群, 杨会静 (55)
 基于 STM32 的生产线搬运机器人控制系统设计 刘正翔 (58)
 关于氢原子中电子出现概率最大位置问题的研究 张晓峰, 石凤良 (63)

生命科学与技术

- hsa-miR-216a-5p 的靶基因及调控网络的生物信息学分析 马 亮, 张运峰, 董建悦, 等 (67)
 紫薯花青素提取工艺研究 王 晴, 陈红玲, 吴 超, 等 (71)
 酵母水解物在动物养殖中的应用 周思思, 江建梅, 李成会 (75)

计算机科学与自动化技术

- 基于聚类的分层降维框架 陈新元, 谢晟祎 (78)
 基于小波增强图像的 Canny 算子果实信息识别方法研究 罗晓丽 (83)
 高校网络程序设计课程教学改革研究 郭亚军 (87)

体育学研究

- 旋转式推铅球技术最后用力准备部分肌肉活动特征研究 尹华跟, 张葆欣, 童立涛, 等 (90)
 基于 WOS 的足球文献热点、知识基础及前沿透析 王永红 (98)

教育教学研究

- 近十年国内深度学习发展现状与趋势 付晓丽 (106)
河北省高职教育对经济发展方式转变的影响研究 马铭均, 刘明强, 李玉龙, 等 (111)
微时代高校思想政治教育路径探析 陈述芬, 王 静, 秦颖馨, 等 (114)
CBL 教学模式的实践应用及效果研究 郭 明 (117)
社区教育学院开展老年教育策略研究 马海阳, 宋东浩, 王月华 (120)

区域资源与经济研究

- 唐山市植被覆盖度及景观格局动态变化 陈凌伟 (123)
金融集聚对城市经济增长的实证研究
—— 以京津冀区域为例 张泽禹, 高士杰 (129)
运动休闲特色小镇的内涵及其绿色发展路径 孙 慧 (134)
游客感知维度下的兰州城市旅游形象测度 高 燕 (142)

基础教育教学研究

- 高中数学教学类型的理论探析: 数学学科核心素养视角 朱立明 (148)
核心素养背景下初中化学课堂的构建 马春秀 (153)
新时代基于学生核心素养的校本课程建设
—— 以唐山市友谊中学为例 徐顺杰 (157)
- 中国学术期刊影响因子年报 (人文社会科学 · 2019 版) (8)
本刊声明 (51)

Contents

◇ Mathematics & Applied Mathematics

- Hesitant Fuzzy Ordered Information System and Its Attribute Reduction.....*HE Yan-ping, ZHANG Hai-dong*(1)
Global Asymptotic Stability of a Class of Fourth Order Nonlinear Systems.....*XU Jing*(6)
On the Common Solution of Diophantine Equations $x^2-35y^2=1$ and $y^2-2^n z^2=1$*LI Yu-long*(9)
Integer Points of Elliptic Curves $y^2=7nx(x^2-8)$*WAN Fei, ZHOU Zi-jing, WANG Yun-juan*(12)
Analysis and Research on the Non-Motor Vehicle Service System of Urban Public Transportation
.....*SONG Xiao-ting, WANG Chun-nian*(15)
Evaluation of Wolfberry Based on Multivariate Statistical Analysis.....*LI Jing, LU Wei, XING Yu-hu, et al.*(19)

◇ Chemistry & Chemical Engineering

- Multi-Gradient Porous Carbon Prepared by Carbonization of Tanning Extract Using $\text{Ca}(\text{OH})_2$ as Template
.....*LI Guang-li, ZHANG Jing-bo, MAO Wen-feng, et al.*(23)
Quantum Chemical Studies on the Products of $\text{Ce} + \text{XF}_3$ ($\text{X} = \text{N, P}$ and As) Reactions
.....*LI Yu-qing, GUO Ya-jie, HUANG Zheng-guo*(29)
Study on the Preparation of Activated Carbon from Chestnut Shell and its Adsorption Performance
.....*JIA Xian-feng, SUN Zhen-qi, LIU Hong-yan, et al.*(39)
Preparation of TPU Film with Functionalized Graphene Oxide Modified by DDAB
.....*WU Ting, WENG Xin-ru, ZHANG Yu-chi*(43)
The Application of Resin Powder Exterior Wall Adhesive.....*LIU Hui-yuan*(48)
The Moisture Retention and Hygroscopicity of Astringents Sold in the Market
.....*LIU Jia-yuan, GUO Xiao-song*(52)

◇ Physics & Techniques

- Stochastic Resonance Driven by Colored Noise.....*ZHANG Zhen, SONG Qun-qun, YANG Hui-jing*(55)
Design of Control System for Production Line Handling Robot Based on STM32.....*LIU Zheng-xiang*(58)
Study on the Position of Maximum Probability of Electron Occurrence in Hydrogen Atom
.....*ZHANG Xiao-feng, SHI Feng-liang*(63)

◇ Biology & Techniques

- Bioinformatics Analysis of Target Gene and Regulatory Network of hsa-miR-216a-5p
.....*MA Liang, ZHANG Yun-feng, DONG Jian-yue, et al.*(67)
Study on Extraction of Anthocyanin from Purple Potato.....*WANG Qing, CHEN Hong-ling, WU Chao, et al.*(71)
Application of Yeast Hydrolysate in Animal Culture.....*ZHOU Si-si, JIANG Jian-mei, LI Cheng-hui*(75)

◇ Computer Science & Automation Techniques

- Hierarchical Dimension Reduction Framework Based on Clustering.....*CHEN Xin-yuan, XIE Sheng-yi*(78)
Canny Operator Based on Wavelet Enhanced Image Was Used to Identify Fruit Information.....*LUO Xiao-li*(83)

Research on the Teaching Reform of *Network Programming* in Colleges.....GUO Ya-jun(87)

◇ **Physical Education**

- Study on the Characteristics of Partial Muscle Activity in the Last Force Preparation by Rotational Shot Put Technique.....YIN Hua-gen, ZHANG Bao-xin, TONG Li-tao, et al.(90)
Analysis on the Hot Spot, Knowledge Base and Frontier of Football Literature Based on WOS
.....WANG Yong-hong(98)

◇ **Education & Teaching**

- The Status and Trend of Deep Learning in China in the Past Decade.....FU Xiao-li(106)
Research on the Influence of Higher Vocational Education on the Transformation of Economic Development Mode in Hebei Province.....MA Ming-jun, LIU Ming-qiang, LI Yu-long, et al.(111)
Study on the Path of Ideological and Political Education in the Micro Era
.....CHEN Shu-fen, WANG Jing, QIN Hao-xin, et al.(114)
Research on the Practical Application and Effect of CBL Teaching Model.....GUO Ming(117)
A Study on the Strategy of Elderly Education in Community Education College
.....MA Hai-yang, SONG Dong-hao, WANG Yue-hua(120)

◇ **Local Resources & Economy**

- Dynamic Changes of Vegetation Coverage and Landscape Pattern in Tangshan City.....CHEN Ling-wei(123)
An Empirical Study of Financial Agglomeration on Urban Economic Growth by Taking the Beijing-Tianjin-Hebei Region as an Example.....ZHANG Ze-yu, GAO Shi-jie(129)
Analysis on the Connotation and Green Development Path of Sports Leisure Town.....SUN Hui(134)
Measurement of Lanzhou City Tourism Image under the Dimension of Tourists' Perception.....GAO Yan(142)

◇ **Elementary Education & Teaching**

- High School Mathematics Curriculum Level Research Based on the Key Competences.....ZHU Li-ming(148)
The Construction of Chemical Classes of Junior Middle School under the Background of Core Literacy
.....MA Chun-xiu(153)
School-Based Curriculum Construction in View of Students' Core Accomplishment in the New Era by Taking Tangshan Friendship Middle School as an Example.....XU Shun-jie(157)