

南京师大学报

(自然科学版)

第 42 卷 第 4 期(总第 160 期)

2019 年 12 月

目 次

· 数学与计算机科学 ·

- 基于新约束集成的差分进化算法 孙越泓,王 丹(1)
- 求解弹性振动方程的稳健 $C^0P_1-P_3$ 时空有限元方法 郭玉玲,黄建国(12)
- 由 Sweedler 四维代数构造无穷小 Hopf 代数 刘任远,郑慧慧,严佳玲,张良云(17)
- 抛物型方程的混合虚拟有限元方法 郭海荣,王 锋(25)
- 两因素马尔可夫调制的随机波动模型下的期权定价 刘雪汝,李美红,田 凡,刘国祥(31)
- 保险公司最优比例再保险和配对交易策略 黄伯强,李启才(39)
- 基于组合赋权的变异系数法在质量评价中的应用 钱晓辉,姜启波(44)
- 数据流决策树分类方法综述 贾 涛,韩 萌,王少峰,杜诗语,申明尧(49)
- 基于编码解码器与深度主题特征抽取的多标签文本分类 陈文实,刘心惠,鲁明羽(61)
- 目标跟踪的尺度参数优化研究 吴慧君,李梅云,杨文元(69)

· 生命科学 ·

- 两株植物内生菌促生和诱导辣椒植株对南方根结线虫抗性的比较分析
..... 杨亚茹,茆少星,闫淑珍,陆长梅(77)
- 姬菇多糖对免疫低下型小鼠肝脏和肾脏抗氧化作用的影响
..... 唐娅秋,朱亚男,王美菊,徐菰阳,李 强,陶明煊(85)

线粒体 ROS 改变参与石蒜碱诱导的 HepG2 细胞凋亡 抗晶晶,刘晓宁(91)

苏姜猪线粒体基因组全长测序及线粒体基因多样性分析 王 洁,郭浩君,张晨岭(97)

小鼠过度训练模型肌肉特异性 microRNAs 在循环和不同组织中的变化研究

..... 徐 琳,王金之,郑益丽,田 东,张海鹏,徐盛嘉,姚增强,马继政(103)

桦褐孔菌降糖活性成分及治疗糖尿病机制研究进展

..... 马丹丹,汪雯翰,薛 蓓,李 梁,朱 琳,刘振东(111)

· 地理学 ·

金沙江大具盆地中的巨大洪水沉积 吴庆龙(118)

顾及用地类型的景区局部空间承载力计算方法 葛军莲,宋晓晴,刘丰源,张 翎,龙 毅(124)

基于流域边界剖面线的陕北小流域分形特征(英文) 卡米拉,汤国安,杨 昕,那嘉明,熊礼阳(131)

中世纪暖期和现代暖期中国季风降水时空模式及其机制

..... 崔英方,赵 侃,赵 彬,王 权,汪永进(145)

大丰近岸海域水质污染特征及来源 艾洋漪,徐 敏,丁言者,徐文健(153)

人口老龄化、城乡居民养老保险与居民消费——基于省际面板数据的实证分析 ... 薛 玮,赵 媛(162)

《南京师大学报(自然科学版)》第 42 卷(2019 年)总目次 (I)

[期刊基本参数] CN 32-1239/N * 1955 * q * A4 * 172 * zh+en * P * ¥8.00 * 1150 * 22 * 2019-12

主编:陈国祥; 执行主编:陆炳新; 执行编辑:顾晓天

公开发行

JOURNAL OF NANJING NORMAL UNIVERSITY

(Natural Science Edition)

Vol. 42 No. 4(Sum. 160)

Dec, 2019

CONTENTS

Differential Evolutionary Algorithm based on New Ensemble of Constraint Handling Techniques	Sun Yuehong, Wang Dan(1)
A Robust $C^0P_1-P_3$ Space-Time Finite Element Method for Elastic Vibration Problems	Guo Yuling, Huang Jianguo(12)
The Construction of Infinitesimal Hopf Algebra on the Sweedler 4-Dimensional Algebra	Liu Renyuan, Zheng Huihui, Yan Jialing, Zhang Liangyun(17)
Mixed Virtual Element Methods for Parabolic Equations	Guo Hairong, Wang Feng(25)
Two-Factor Markov-Modulated Stochastic Volatility Models for Option Pricing	Liu Xueru, Li Meihong, Tian Fan, Liu Guoxiang(31)
Optimal Proportional Reinsurance and Pairs Trading Policies for Insurer	Huang Boqiang, Li Qicai(39)
Application of Variation Coefficient Method Based on Combination Weights in Quality Evaluation	Qian Xianhui, Jiang Qibo(44)
Survey of Decision Tree Classification Methods over Data Streams	Jia Tao, Han Meng, Wang Shaofeng, Du Shiyu, Shen Mingyao(49)
Multi-label Text Classification Based on Seq2Seq Model and Deep Topic Feature Extraction	Chen Wenshi, Liu Xinhui, Lu Mingyu(61)
Research of Scaling Parameter Optimization for Target Tracking	Wu Huijun, Li Meiyun, Yang Wenyuan(69)
Comparative Analysis of Growth Promotion and Resistance Induction of Pepper Plants to <i>Meloidogyne incognita</i> by Two Endophytes	Yang Yaru, Mao Shaoxing, Yan Shuzhen, Lu Changmei(77)
Effects of Acid Polysaccharides from <i>Pleurotus cornucopiae</i> on the Antioxidation in Mice with Immunosuppression	Tang Yaqui, Zhu Yanan, Wang Meiju, Xu Songyang, Li Qiang, Tao Mingxuan(85)
Mitochondrial ROS Contributes to Lycorine-induced Apoptosis in HepG2 Cells	Kang Jingjing, Liu Xiaoning(91)
Whole Genome Sequencing and Genetic Diversity of Mitochondrial Genome of Sujiang Pig	Wang Jie, Guo Haojun, Zhang Chenling(97)
Changes of Muscle-Specific microRNAs in Circulation and Different Tissues in the Mouse Overtraining Model	Xu Lin, Wang Jinzhi, Zheng Yili, Tian Dong, Zhang Haipeng, Xu Shengjia, Yao Zengqiang, Ma Jizheng(103)
The Antitumor Activity of Natural Components of Edible and Medicinal Fungi	Ma Dandan, Wang Wenhan, Xue Bei, Li Liang, Zhu Lin, Liu Zhendong(111)
The Sediments of Megafloods in the Daju Baisin of the Yangtze River	Wu Qinglong(118)
Calculation Methods for Local Space Carrying Capacity of a Scenic Area with Consideration of Land Use Type	Ge Junlian, Song Xiaoqing, Liu Fengyuan, Zhang Ling, Long Yi(124)
Fractal Dimension Features from Catchment Boundary Profile(CBP) of Small Watersheds in the Northern Shaanxi Province of China	Kamila Kabo-bah, Tang Guoan, Yang Xin, Na Jiaming, Xiong Liyang(131)
Spatiotemporal Model and Mechanism of Monsoon Rainfall in China During the Medieval Warm Period and the Current Warm Period	Cui Yingfang, Zhao Kan, Zhao Bin, Wang Quan, Wang Yongjin(145)
Characteristics and Sources of Water Pollution in the Coastal Waters of Dafeng, Jiangsu Province, China	Ai Yangyi, Xu Min, Ding Yanzhe, Xu Wenjian(153)
Aging Population, Pension Insurance for Urban and Rural Residents and Residents' Consumption—An Empirical Analysis Based on Provincial Panel Data	Xue Wei, Zhao Yuan(162)
Total Catalogue of Journal of Nanjing Normal University(Natural Science Edition) in 2019	(I)

Editor-in-Chief: CHEN Guoxiang, Executive Editor-in-Chief: LU Bingxin, Executive Editor: GU Xiaotian

The End of Volume 42