



ISSN 1006-2475
CN 36-1137/TP

6

2020

Computer
And
Modernization

计算机与现代化

江西省计算机学会 江西省计算技术研究所 主办

中国科技核心期刊
中国科技论文统计源期刊

ISSN 1006-2475



9 771006 247201

万方数据

目 次

模式识别

- 基于深度学习的安全帽佩戴检测与跟踪 秦 嘉,曹雪虹,焦良葆(1)
结合 HED 网络和双阈值分割的 GMM 目标检测算法 李 睿,王德忠(7)

网络与通信

- 基于卷积神经网络的高速无线局域网分组丢失和错误原因识别方法
..... 张 宁,黄庭培,蔡丽萍,李世宝(14)
一种移动流媒体分层协同缓存系统 杨大武,李泽平(22)

信息安全

- 云计算环境下的可修分布式系统可靠性分析方法 杨牧川,吕晓丹,蒋朝惠(28)
几种典型区块链共识机制的安全性分析 邓铭巍,欧 崑,杨 杰(34)

物联网

- 基于多目标点 A* 算法的停车场车位路径引导系统设计
..... 肖 玮,张 磊,邱泽华,钟 勇,张铁楠(40)
瓦斯抽采数据预处理技术及达标评判应用 吴克介,许 金,陈 清,张 翼(46)

软件工程

- 基于 AADL 的航天嵌入式软件 Ada 代码自动生成方法 冯思喆,杨志斌,薛 垒(52)
一种支持多线程程序的符号执行技术 李 瞳,丁国富(60)

数据挖掘

- 快速挖掘最大频繁项集算法在图书馆管理中的应用 于海洋(68)
多层次序列集成的高维数值型异常检测 李科心,李 静,邵佳炜,肖 屹(73)
过采样与集成学习方法在软件缺陷预测中的对比研究 王 海,江 峰,杜军威,赵 军(83)

自然语言处理

- 基于深度 Q 网络的垃圾邮件文本分类方法 景栋盛,薛劲松,冯仁君(89)
基于自适应注意模型的图像描述 侯星晨,王 锦(95)

人工智能

- 基于优化的非等间距灰色模型对健康的预测 李 锐,李晓卉,李小钰,丁月民(101)
深度学习发展形势下计算机视觉教学内容革新 陈 川,陈 柘,丁双惠(107)
考虑交通流量的改进型电动汽车充/换电设施选址布局 张 忠,邹燕飞,刘淑英(114)
基于自步数据重构正则化的模糊 C 均值聚类算法改进 陈怡君,曹逻炜,杜玉倩(120)

CONTENTS

PATTERN RECOGNITION

- Detection and Tracking of Hard Hat Wearing Based on Deep Learning
..... *QIN Jia, CAO Xue-hong, JIAO Liang-bao*(1)
- Target Detection Algorithm of Gaussian Mixture Model Combined with HED Network and Double Threshold
Segmentation *LI Rui, WANG De-zhong*(7)

NETWORK AND COMMUNICATION

- A Multi-classification Approach to Discriminate Causes of Packet Losses and Errors for High Throughput Wire-
less LAN Based on Convolution Neural Network
..... *ZHANG Ning, HUANG Ting-pei, CAI Li-ping, LI Shi-bao*(14)
- A Hierarchical Cooperative Caching System in Mobile Streaming Media ... *YANG Da-wu, LI Ze-ping*(22)

INFORMATION SECURITY

- Reliability Analysis Method for Repairable Distributed System in Cloud Compute Environment
..... *YANG Mu-chuan, LYU Xiao-dan, JIANG Chao-hui*(28)
- Safety Analysis of Three Classic Blockchain Consensus Mechanisms
..... *DENG Ming-wei, OU Wei, YANG Jie*(34)

INTERNET OF THINGS

- Design of Parking Lot Path Guidance System Based on Multi-objective Point A* Algorithm
..... *XIAO Wei, ZHANG Lei, QIU Ze-hua, ZHONG Yong, ZHANG Tie-nan*(40)
- Preprocessing Technology of Gas Drainage Data and Application of Criteria for Achieving Standards
..... *WU Ke-jie, XU Jin, CHEN Qing, ZHANG Yi*(46)

SOFTWARE ENGINEERING

- Automatic Generation Method of Ada Code for Aerospace Embedded Software Based on AADL
..... *FENG Si-zhe, YANG Zhi-bin, XUE Lei*(52)
- A Symbolic Execution Technology Supporting Multi-thread Program *LI Tong, DING Guo-fu*(60)

DATA MINING

- Application of Algorithm of Fast Mining Maximal Frequent Itemsets in Library Management
..... *YU Hai-yang*(68)
- High-dimensional Numerical Anomaly Data Detection Based on Multi-level Sequence Integration
..... *LI Ke-xin, LI Jing, SHAO Jia-wei, XIAO Yi*(73)
- Comparative Study of Oversampling and Ensemble Learning Methods in Software Defect Prediction
..... *WANG Hai, JIANG Feng, DU Jun-wei, ZHAO Jun*(83)

NATURAL LANGUAGE PROCESSING

- Spam Text Classification Method Based on Deep Q-network
..... *JING Dong-sheng, XUE Jing-song, FENG Ren-jun*(89)
- Image Captioning Based on Adaptive Attention Model *HOU Xing-chen, WANG Jin*(95)

ARTIFICIAL INTELLIGENCE

- Prediction of Health Index Based on Improved Non-equidistant Grey Model
..... *LI Rui, LI Xiao-hui, LI Xiao-yu, DING Yue-min*(101)
- Innovation of Computer Vision Teaching Contents Under Development of Deep Learning
..... *CHEN Chuan, CHEN Zhe, DING Shuang-hui*(107)
- An Improved Electric Vehicle Charging/Switching Facility Layout Considering Traffic Flow
..... *ZHANG Zhong, ZOU Yan-fei, LIU Shu-ying*(114)
- Improvement of Fuzzy C-Means Clustering Algorithm Based on Self-paced Data Reconstruction Regularization
..... *CHEN Yi-jun, CAO Luo-wei, DU Yu-qian*(120)