



ISSN1006-2475

CN36-1137/TP

12

2019

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



万方数据

目 次

人工智能

基于改进关联规则算法的警情数据分析	王 云,李 丛(1)
基于 Kriging 模型的铁路棚架结构失效预测	秦鹏霄(6)
一种结合专家信任的 POI 推荐算法	桂易琪,田星晨(10)
基于 Logistic 映射的新型混沌简化 PSO 算法	杨万里,周雪婷,陈孟娜(15)
基于 biRNN 的海军军械不均衡文本数据集处理方法	齐玉东,丁海强,赵锦超,孙明玮(21)
基于差分进化算法的面目标瞄准点寻优	鄂翔南,刘泽平,张子晔(27)

软件工程

Spark 平台的分布式阶段自适应关联规则挖掘算法	石 慧,陈 恩(31)
基于脆弱点分析的故障注入技术	卫津逸,徐 珞,戴文博(39)

图像处理

基于饱和系统随机共振的图像去噪算法	殷学杰,马玉梅,潘振宽(44)
基于多特征融合的车辆阴影检测与去除	王 威,李志华,吴世宇(49)
基于鉴别性低秩表示的 2 阶段人脸识别算法	崔娟娟,张 蕾,侯谢炼,陈才扣,张海燕(55)
基于教室监控视频的学生位置检测和人脸图像捕获算法	胡骞鹤,方书雅,刘守印,李纪平(60)
基于卷积神经网络与集成学习的交通标志识别	刘树艺,李 静,胡 春,王 伟(67)
基于全卷积神经网络的船舶检测和车牌识别系统	李兆桐,孙浩云(72)

信息系统

基于 Aspen Plus 的酸水汽提模拟	解娅男,李 复(78)
文字识别在虚拟导游系统中的应用研究与实现	李梵若,韩 莹,代广斌,冯天歌,胡 琳(83)

网络与通信

基于 PCA 串并融合的多路心音特征表征方法	成雨含,张友讯,孙科学(88)
一种面向反馈网络的因果特征选择算法及其应用	彦 逸,李 波,陈守明,林 强,黄巨涛,温柏坚(95)
基于层次分析法的电力通信传输设备在线监测	李建路,徐立坤,陈海平,王 林,朱鹏宇(101)
一种基于贡献矩阵的有向网络节点关键度计算方法	庄天益,许国艳,孙 洁,周星熠,朱 进(108)

信息安全

基于深度 Q 网络的电力工控网络异常检测系统	王竹晓,张彭彭,李 为,吴克河,崔文超,程 瑞(114)
基于分数阶 Rossler 混沌序列的图像加密	张 豪,王 波(119)
2019 年总目次	(123)

CONTENTS

ARTIFICIAL INTELLIGENCE

- Analysis of Alarm Data Based on Improved Association Rules Algorithm WANG Yun, LI Cong(1)
Failure Prediction of Railway Scaffolding Structure Based on Kriging Model QIN Peng-xiao(6)
A POI Recommendation Algorithm Combined with Expert Trust GUI Yi-qi, TIAN Xing-chen(10)
New Chaotic Simplified Particle Swarm Optimization Algorithm Based on Logistic Mapping
..... YANG Wan-li, ZHOU Xue-ting, CHEN Meng-na(15)
biRNN-based Method for Processing Unbalanced Text Data Sets of Naval Ordnance
..... QI Yu-dong, DING Hai-qiang, ZHAO Jin-chao, SUN Ming-wei(21)
Optimization of Area Target Aiming Point Based on Differential Evolution Algorithm
..... E Xiang-nan, LIU Ze-ping, ZHANG Zi-ye(27)

SOFTWARE ENGINEERING

- Distributed Stage Adaptive Association Rules Mining Algorithm Based on Spark SHI Hui, CHEN En(31)
Fault Injection Technique Based on Vulnerability Analysis WEI Jin-yi, XU Luo, DAI Wen-bo(39)

IMAGE PROCESSING

- Image Denoising Algorithm Based on Stochastic Resonance of Saturating System
..... YIN Xue-jie, MA Yu-mei, PAN Zhen-kuan(44)
Vehicle Shadow Detection and Removal Based on Multi-feature Fusion
..... WANG Wei, LI Zhi-hua, WU Shi-yu(49)
A Two-phase Face Recognition Algorithm Based on Discriminative Low-rank Representation
..... CUI Juan-juan, ZHANG Lei, HOU Xie-lian, CHEN Cai-kou, ZHANG Hai-yan(55)
Student Position Detection and Face Image Capture Algorithm Based on Classroom Monitoring Video
..... HU Qian-he, FANG Shu-ya, LIU Shou-yin, LI Ji-ping(60)
Traffic Sign Recognition Based on Convolutional Neural Network and Ensemble Learning
..... LIU Shu-yi, LI Jing, HU Chun, WANG Wei(67)
A Ship Detection and Plate Recognition System Based on FCN LI Zhao-tong, SUN Hao-yun(72)

INFORMATION SYSTEM

- Simulation of Acid Water Extraction Based on Aspen Plus XIE Ya-nan, LI Fu(78)
Application Research and Realization of Character Recognition in Virtual Tour Guide System
..... LI Fan-ruo, HAN Ying, DAI Guang-bin, FENG Tian-ge, HU Lin(83)

NETWORK AND COMMUNICATION

- Multi-channel Heart Sound Feature Characterization Method Based on PCA Serial-merged Fusion
..... CHENG Yu-han, ZHANG You-xun, SUN ke-xue(88)
A Causal Feature Selection Algorithm for Feedback Networks and Its Applications
..... YAN Yi, LI Bo, CHEN Shou-ming, LIN Qiang, HUANG Ju-tao, WEN Bo-jian(95)
On-line Monitoring of Electric Power Communication Transmission Equipment Based on Analytic Hierarchy
Process LI Jian-lu, XU Li-kun, CHEN Hai-ping, WANG Lin, ZHU Peng-yu(101)
An Algorithm for Mining Key Nodes of Directed Networks Based on Contribution Matrix
..... ZHUANG Tian-yi, XU Guo-yan, SUN Jie, ZHOU Xing-yi, ZHU Jin(108)

INFORMATION SECURITY

- Electric Power Industrial Control Network Anomaly Detection System Based on Deep Q Network
..... WANG Zhu-xiao, ZHANG Peng-peng, LI Wei, WU Ke-he, CUI Wen-chao, CHENG Rui(114)
Image Encryption Based on Fractional Rossler Chaotic Sequence ZHANG Yi, WANG Bo(119)
General Table of Contents in 2019 (123)