



ISSN 1006-2475
CN 36-1137/TP

1

2022

Computer
And
Modernization

计算机与现代化

江西省计算机学会 江西省计算中心 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

算法设计与分析

- 基于交互关系分组建模融合的组群行为识别算法 王传旭,刘 冉(1)
- 基于 BiLSTM 和 ResCNN 的实体关系抽取方法 徐小亮,赵 英(10)
- 容器热迁移的快速内存同步技术 游强志,胡怀湘,陈相宇(17)

数据库与数据挖掘

- 基于 ADE-Stacking 的心力衰竭非计划性再入院风险预测模型 王 磊,宋 波(23)
- 基于模型特征匹配的 BIM 模型混合推荐算法 肖宏宇,曾文驱,王淑莹(28)
- 多种群并行协作的粒子群算法 郭 成,张万达,王 波,王加富(33)
- 云环境大数据 workflow 编排管理系统研究综述 曹 禹,李晓辉,刘忠麟,贾 贺,费志伟(41)

图像处理

- 基于显著性目标检测的弹着点定位算法 周 璇,朱苏磊,何 为(54)
- 基于改进探路者算法的多阈值图像分割 王淑平,李 敏,杜 敏,罗建伟(61)
- 融合注意力机制的轻量级红外高压套管识别算法 国腾飞,张则言,付宏财,王继选,牛天宝(70)
- 基于 YOLOv3 的改进仪表检测算法 黄子平,黄继风,周小平(77)
- 基于改进 YOLOv4 的口罩佩戴检测算法 金 鑫,曾思轲,刘 阳,武楚涵(85)
- 基于深度级联模型工业安全帽检测算法 杨 贞,朱强强,彭小宝,殷志坚,温海桥,黄春华(91)

人工智能

- 基于深度强化学习的多无人机电力巡检任务规划 马 瑞,欧阳权,吴兆香,丛玉华,王志胜(98)
- 融合改进 A* 与 DWA 算法的移动机器人路径规划 庞永旭,袁德成(103)
- 基于遗传算法的容器云资源配置优化 徐胜超,熊茂华(108)

信息安全

- 基于扩展传染病模型的谣言溯源 吴 杨,吴国文,张 红,沈士根,曹奇英(113)
- 基于区块链的无证书签密方案 张天喜,王利朋,付俊俊,崔 驰,靳梦璐(120)

CONTENTS

DESIGN AND ANALYSIS OF ALGORITHM

- Group Activity Recognition Algorithm Based on Interaction Relationship Grouping Modeling Fusion
..... WANG Chuan-xu, LIU Ran(1)
- Relationship Extraction Method Based on BiLSTM and ResCNN XU Xiao-liang, ZHAO Ying(10)
- Fast Memory Synchronization Technology for Container Thermal Migration
..... YOU Qiang-zhi, HU Huai-xiang, CHEN Xiang-yu(17)

DATABASE AND DATA MINING

- Risk Prediction Model of Heart Failure Unplanned Readmission Based on ADE-Stacking
..... WANG Lei, SONG Bo(23)
- Hybrid Recommendation Algorithm for BIM Model Based on Model Feature Matching
..... XIAO Hong-yu, ZENG Wen-qu, WANG Shu-ying(28)
- Particle Swarm Optimization Algorithm Based on Multigroup Parallel Cooperation
..... GUO Cheng, ZHANG Wan-da, WANG Bo, WANG Jia-fu(33)
- Review of Big Data Workflow Orchestration and Management System in Cloud Environment
..... CAO Yu, LI Xiao-hui, LIU Zhong-lin, JIA He, FEI Zhi-wei(41)

IMAGE PROCESSING

- Impact Point Detecting Algorithm Based on Salient Object Detection
..... ZHOU Xuan, ZHU Su-lei, HE Wei(54)
- Multilevel Thresholding Image Segmentation Using Improved Pathfinder Algorithm
..... WANG Shu-ping, LI Min, DU Min, LUO Jian-wei(61)
- Lightweight Infrared HV Bushing Identification Algorithm Based on Attention Mechanism
..... GUO Teng-fei, ZHANG Ze-yan, FU Hong-cai, WANG Ji-xuan, NIU Tian-bao(70)
- An Improved Instrument Detection Algorithm Based on YOLOv3
..... HUANG Zi-ping, HUANG Ji-feng, ZHOU Xiao-ping(77)
- Mask Wearing Detection Algorithm Based on Improved YOLOv4
..... JIN Xin, ZENG Si-ke, LIU Yang, WU Chu-han(85)
- Industrial Safety Helmet Detection Algorithm Based on Depth Cascade Model
..... YANG Zhen, ZHU Qiang-qiang, PENG Xiao-bao, YIN Zhi-jian, WEN Hai-qiao, HUANG Chun-hua(91)

ARTIFICIAL INTELLIGENCE

- Multi-UAV Power Inspection Task Planning Technology Based on Deep Reinforcement Learning
..... MA Rui, OUYANG Quan, WU Zhao-xiang, CONG Yu-hua, WANG Zhi-sheng(98)
- Mobile Robot Path Planning Based on Fusion of Improved A* and DWA Algorithms
..... PANG Yong-xu, YUAN De-cheng(103)
- Optimization of Container Cloud Resource Allocation Based on Genetic Algorithm
..... XU Sheng-chao, XIONG Mao-hua(108)

INFORMATION SECURITY

- Rumor Source Detection Based on Extended Epidemic Model
..... WU Yang, WU Guo-wen, ZHANG Hong, SHEN Shi-gen, CAO Qi-ying(113)
- Certificateless Signcryption Scheme Based on Blockchain
..... ZHANG Tian-xi, WANG Li-peng, FU Jun-jun, CUI Ci, JIN Meng-lu(120)