

- ❖ 英国《科学文摘》(INSPEC) 来源期刊
- ❖ 俄罗斯《文摘杂志》(AJ) 来源期刊
- ❖ 美国《乌利希期刊指南(网络版)》(Ulrichsweb) 收录期刊
- ❖ 2017—2019年中国国际影响力优秀学术期刊(自然科学与工程技术)
- ❖ 第二届国家期刊奖百种重点科技期刊
- ❖ 中国科技核心期刊 ❖ 全国中文核心期刊
- ❖ 中国科技论文统计源期刊
- ❖ 中国学术期刊综合评价数据库来源期刊
- ❖ RCCSE 核心学术期刊 ❖ 中国期刊方阵双效期刊
- ❖ 《日本科学技术振兴机构数据库》(JST) 来源期刊
- ❖ 美国《艾博思科学数据库》(EBSCO) 全文来源期刊
- ❖ 美国《剑桥科学文摘(自然科学)》(CSA (NS)) 核心期刊
- ❖ 波兰《哥白尼索引》(IC) 来源期刊
- ❖ 中国科学引文数据库(CSCD) 来源期刊
- ❖ 《中文科技期刊数据库》来源期刊
- ❖ 《中国期刊网》《中国学术期刊(光盘版)》来源期刊
- ❖ 中国精品科技期刊顶尖学术论文(F5000)项目来源期刊
- ❖ 《电子科技文献数据库》来源期刊
- ❖ 《中国工程技术电子信息网》来源期刊

计算机应用研究

Jisuanji Yingyong Yanjiu

第37卷 第5期 2020年5月

目 次

综述评论

- | | |
|----------------------|-----------------------|
| 基于特征点法和直接法 VSLAM 的研究 | 邹 雄,肖长诗,文元桥,元海文(1281) |
| 残差网络研究综述 | 郭玥秀,杨 伟,刘 琦,王 玉(1292) |

算法研究探讨

- | | |
|----------------------------------|---|
| 基于出租车司机经验的约束深度强化学习算法路径挖掘 | 黄 敏,毛 锋,钱宇翔(1298) |
| 引入评分偏置的二项矩阵分解推荐算法 | 张笑虹,张奇志,周亚丽(1303) |
| 移动环境下基于情境感知的个性化影视推荐算法研究 | 罗国前,刘志勇,张 琳,张家鑫,何卓桁,张 欣(1306) |
| 基于 ranking 的深度张量分解群组推荐算法 | 杨 丽,王时绘,朱 博(1311) |
| 融合协同过滤的 XGBoost 推荐算法 | 齐德法,徐连诚,朱振方(1317) |
| 多 MapReduce 作业协同下的大数据挖掘类算法资源效率优化 | 廖 彬,张 陶,于 焰,黄静莱,国冰磊,刘 炎(1321) |
| 基于印象空间的互联网广告效果评价 | 宋永强,王 红,王露潼,胡晓红(1326) |
| 基于微博的 UVFR 谣言传播模型研究及仿真 | 肖晓艳,刘万平,王 越,范海波(1332) |
| 利用词项语义共现和社团划分发现微博热点事件 | 李晓红,孔文文,马培根,马慧芳(1336) |
| 基于模糊蚁群的加权蛋白质复合物识别算法 | 毛伊敏,刘银萍,胡 健(1340) |
| 基于链路预测的有向互动影响力和用户信任的推荐算法 | 魏映婷,倪 静(1349) |
| 基于 PageRank 的多维度微博用户影响力度量 | 罗 芳,徐 阳,蒲秋梅,邱奇志(1354) |
| 融合内容与矩阵分解的混合推荐算法 | 王永贵,陈玉伟(1359) |
| 社会网络环境下基于信任传递的推荐模型研究 | 陈文俊,倪 静(1364) |
| 基于多特征和深度神经网络的维吾尔文情感分类 | 买买提阿依甫,吾守尔·斯拉木,艾斯卡尔·艾木都拉,杨文忠,帕丽旦·木合塔尔(1368) |
| 利用改进蚁群算法的重叠社团检测分析方法 | 许 英(1375) |
| 基于稠密连接记忆神经网络的文本推理 | 潘永华,闭应洲,潘怀奇,郑思霞(1380) |
| 基于高斯扰动和指数递减策略的改进蝙蝠算法 | 宋一民,李 煜(1384) |
| 基于金字塔结构的群智能演化策略求解混合整数规划问题 | 唐荷花,彭斯俊,王占占(1390) |
| 基于决策树的敏感词变形体识别算法研究及应用 | 余敦辉,张笑笑,付 聰,张万山(1395) |
| 非数值化特征的条件概率区域划分(CZT)编码方法 | 贺 亮,徐正国,李 赞,沈 超(1400) |
| WP 可解公式上警示传播算法收敛的有效条件 | 崔 立,王晓峰,牛 进(1406) |
| 无线传感网络干扰最小化问题的一种缩边贪心算法 | 杜 磊,付喜梅,杨文瀚(1411) |
| 迭代自组织哈希算法 | 韩雪莲,田爱奎,王 振,卢海涛(1416) |
| 不完备混合决策系统的三支决策模型与规则获取方法 | 钱文彬,彭莉莎,王映龙,段德林(1421) |

系统应用开发

- | | |
|--------------------|-------------------------------|
| 基于学者社交网络的论文与项目关联模型 | 王 柳,汤 庸,杨佐希,傅城州,毛承洁,毛超丹(1428) |
|--------------------|-------------------------------|

基于深度学习的人脸识别算法研究	胡亚洲,周亚丽,张奇志(1432)
基于声源阵列的空间麦克风定位方法研究	陈晓辉,孙昊,张恒,翟葆朔(1437)
基于多因素稀疏回归预测模型的商家客流量预测	郑增威,杜俊杰,周燕真,孙霖,霍梅梅(1440)
基于范畴论的业务目标模型形式化	李宗花,李必信(1445)
基于改进 YOLOv2 的无标定 3D 机械臂自主抓取方法	余玉琴,魏国亮,王永雄(1450)
基于开放域对话系统的自动化评测方法研究	王春柳,杨永辉,赖辉源,邓霏(1456)
基于改进 ER 的生鲜冷链物流服务质量评估方法	耿秀丽,谷玲玲(1460)

信息安全技术

结构化数据的隐私与数据效用度量模型	谢明明,彭长根,吴睿雪,丁红发,刘波涛(1465)
GIFT-64 算法的 Biclique 分析	郭伟博,刘彬,王洋(1470)
基于堆稀疏自编码的二叉树集成入侵检测方法	柳毅,阴梓然,洪洲(1474)
自适应分块的医学图像混沌加解密算法	拜亚萌,张燕玲,邓小鸿(1478)
一种基于双重 KGC 的无证书短签名方案	左黎明,张梦丽,胡凯雨,易传佳(1482)
基于 IBU 模型的信息传播	范海波,刘万平,肖晓艳(1488)
基于多类别参数随机调优的境外活动安全评估模型研究	郭孟杰,许志伟,刘利民,郭美城,王永生,杨皓麟(1492)
车联网环境下基于重复博弈的恶意车辆节点检测机制	董文远,朱研,王永红,张光华(1497)
基于异质移动网络的破坏性病毒传播模型	刘超,黄诗雯,黄贤英,刘小洋,杨宏雨(1502)

网络与通信技术

基于深度学习的 OFDM 系统窄带干扰消除方法研究	马涛,李悦,杨峰,丁良辉(1507)
基于前导干扰消除的 FBMC 系统加权信道估计算法	董春波,罗志年(1511)
基于条件的边界平衡生成对抗网络	王硕诚,苟刚,葛梦园(1514)
基于 LoRaWAN 的自适应多帧高效传输方法	任智,秦军,姜楠,王坤龙(1518)
空间通信中 GMSK 信号的载波恢复与时钟同步	唐智灵,邹鑫,李思敏(1522)
RS 译码优化及卫星通信 CCSDS 下 RS 译码仿真	王兵锐,杨晓非,姚行中(1528)
多层变耦合星型网络同步性研究	李晓霞,李艳雨,冯志新,张启宇(1532)
基于混合型 MUSIC 算法对相干信源 DOA 估计	张权,李思敏,唐智灵(1536)

图形图像技术

基于原型与正交投影学习的图像集分类算法	任珍文,吴明娜(1541)
基于改进阈值函数的小波变换图像去噪算法	张绘娟,张达敏,闫威,陈忠云,辛梓芸(1545)
基于非归一化直方图的 GrabCut 图像分割算法改进	孔显,马晓珂(1549)
减少色彩失真的自适应单幅图像去雾算法	唐慧,任杰文,鲍旭东(1553)
利用稀疏语义结合双层卷积神经网络的敏感图像检测方法	如先姑力·阿布都热西提,亚森·艾则孜,孙国梓(1557)
基于自适应半耦合字典学习的超分辨率图像重建	黄陶冶,孙恬恬,周正华,赵建伟(1561)
利用结构化 SVM 结合 CNN 的层次化目标检测与人体姿态估计方法	孙新领,张皓,赵丽(1566)
基于矩阵补全的自适应去雨雪算法	田文英,黄成泉,冉龙才(1570)
结合 DCGAN 与 LSTM 的阿兹海默症分类算法	林颖,何啸峰,陈灵娜,陈俊熹(1574)
基于改进的深度残差网络的表情识别研究	何俊,刘跃,李倡洪,沈津铭,李帅,王京威(1578)
基于二次二维经验模态分解去噪的湍流退化图像复原算法	徐斌,葛宝臻,吕且妮,陈雷(1582)
基于去相关高精度分类网络与重排序的行人再识别	韩光,葛亚鸣,张城玮(1587)
结合自适应空间与 CRF 的遥感影像变化检测	杨景玉,吴磊,王阳萍,杜晓刚(1592)
直推式遥感图像场景零样本分类算法	吴晨,袁昱纬,王宏伟,刘宇,刘思彤,全吉成(1597)

信息集萃

下期要目	(1455)
------	--------

期刊基本参数:CN51-1196/TP * 1984 * m * A4 * 320 * zh * P * ¥50.00 * 3840 * 66 * 2020-05 * n

本期责任编辑 何俐,黄莉

Application Research of Computers

Vol. 37 No. 5 May 2020

Contents

Survey

Research of feature-based and direct methods VSLAM	Zou Xiong, Xiao Changshi, Wen Yuanqiao, et al. (1281)
Survey of residual network	Guo Yuexiu, Yang Wei, Liu Qi, et al. (1292)

Algorithm Research & Explore

Mining fastest route using taxi drivers' experience via constrained deep reinforcement learning	Huang Min, Mao Feng, Qian Yuxiang(1298)
Binomial matrix factorization with rating drift for recommender systems	Zhang Xiaohong, Zhang Qizhi, Zhou Yali(1303)
Research on personalized film recommendation algorithm based on context-aware in mobile environment	Luo Guoqian, Liu Zhiyong, Zhang Lin, et al. (1306)
Ranking based hybrid deep tensor factorization model for group recommendation	Yang Li, Wang Shihui, Zhu Bo(1311)
XGBoost recommendation algorithm with collaborative filtering	Qi Defa, Xu Liancheng, Zhu Zhenfang(1317)
Resource efficiency optimization for big data mining algorithm with multi MapReduce collaboration scenario	Liao Bin, Zhang Tao, Yu Jiong, et al. (1321)
Evaluation of Internet advertising effect based on impression space	Song Yongqiang, Wang Hong, Wang Lutong, et al. (1326)
Research and simulation of UVFR rumor propagation model based on microblog	Xiao Xiaoyan, Liu Wanping, Wang Yue, et al. (1332)
Microblog hot topic detection using lexical semantic co-occurrence and community partition	Li Xiaohong, Kong Wenwen, Ma Yuyin, et al. (1336)
Algorithm for identifying weighted protein complexes based on fuzzy ant colony clustering	Mao Yimin, Liu Yingping, Hu Jian(1340)
Recommendation algorithm based on link prediction for directed interaction influence and user trust	Wei Yingting, Ni Jing(1349)
Multi-dimensional measure of microblog user influence based on PageRank	Luo Fang, Xu Yang, Pu Qiumei, et al. (1354)
Hybrid recommendation algorithm based on content and matrix factorization	Wang Yonggui, Chen Yuwei(1359)
Research on recommendation model based on trust transitivity in social network environment	Chen Wenjun, Ni Jing(1364)
Uyghur sentiment classification based on multi-features and deep neural network	Maimaitiyifu, Wushouer Silamu, Aisikaer Aimudoula, et al. (1368)
Novel algorithm of overlapping community detection and analysis with improved ant colony algorithm	Xu Ying(1375)
Text reasoning based on densely connective memory network	Pan Yonghua, Bi Yingzhou, Pan Huaiqi, et al. (1380)
Improved bat algorithm based on Gaussian disturbance and exponential decreasing strategy	Song Yimin, Li Yu(1384)
Swarm intelligent evolution strategy based on pyramid structure for solving mixed integer programming problems	Tang Hehua, Peng Sijun, Wang Zhanzhan(1390)
Research and application of change form of sensitive words recognition algorithm based on decision tree	Yu Dunhui, Zhang Xiaoxiao, Fu Cong, et al. (1395)
Conditional-probability zone transformation coding for categorical features	He Liang, Xu Zhengguo, Li Yun, et al. (1400)
Effective conditions for warning propagation algorithm convergence on WP solvable formula	Cui Li, Wang Xiaofeng, Niu Jin(1406)
Edge shrinking greedy algorithm for minimizing interference in wireless sensor network	Du Lei, Fu Ximei, Yang Wenhan(1411)
Iterative self-organizing hashing algorithm	Han Xuelian, Tian Aikui, Wang Zhen, et al. (1416)
Three-way decisions model and rule acquisition method for incomplete composite decision system	Qian Wenbin, Peng Lisha, Wang Yinglong, et al. (1421)

System Development & Application

Association model of paper and project based on scholar social network	Wang Liu, Tang Yong, Yang Zuoxi, et al. (1428)
Face recognition algorithm based on deep learning	Hu Yazhou, Zhou Yali, Zhang Qizhi(1432)
Microphone spatial positioning method based on sound source array	Chen Xiaohui, Sun Hao, Zhang Heng, et al. (1437)

Retail consumer traffic forecasting based on multi-factor sparse regression prediction model	Zheng Zengwei, Du Junjie, Zhou Yanzhen, et al.	(1440)
To formalize business goal model based on category theory	Li Zonghua, Li Bixin	(1445)
3D uncalibrated robotic grasping method based on improved YOLOv2	Yu Yuqin, Wei Guoliang, Wang Yongxiong	(1450)
Automatic evaluation method for open domain dialogue systems	Wang Chunliu, Yang Yonghui, Lai Huiyuan, et al.	(1456)
Evaluation method of fresh cold chain logistics service quality based on improved ER	Geng Xiuli, Gu Lingling	(1460)

Technology of Information Security

Privacy and data utility metric model for structured data	Xie Mingming, Peng Changgen, Wu Ruixue, et al.	(1465)
Biclique analysis of GIFT-64	Guo Weibo, Liu Bin, Wang Yang	(1470)
Binary tree ensemble intrusion detection method based on stacked sparse autoencoder	Liu Yi, Yin Ziran, Hong Zhou	(1474)
Digital medical image encryption and decryption algorithm based on chaotic mapping and adaptive partitioning	Bai Yameng, Zhang Yanling, Deng Xiaohong	(1478)
Certificateless short signature scheme with double KGC	Zuo Liming, Zhang Mengli, Hu Kaiyu, et al.	(1482)
Information dissemination based on IBU model	Fan Haibo, Liu Wamping, Xiao Xiaoyan	(1488)
Research on security evaluation model for oversea activities based on random model tuning of multi-type parameters	Guo Mengjie, Xu Zhiwei, Liu Limin, et al.	(1492)
Malicious vehicle node detection mechanism based on repeated game in VANET	Dong Wenyuan, Zhu Yan, Wang Yonghong, et al.	(1497)
Destructive virus propagation model based on heterogeneous mobile networks	Liu Chao, Huang Shiwen, Huang Xianying, et al.	(1502)

Technology of Network & Communication

Deep learning based NBI mitigation method in OFDM systems	Ma Tao, Li Yue, Yang Feng, et al.	(1507)
FBMC system weighted channel estimation algorithm based on preamble interference cancellation	Dong Chunbo, Luo Zhinian	(1511)
Conditional boundary equilibrium generative adversarial network	Wang Shuocheng, Gou Gang, Ge Mengyuan	(1514)
Method of adaptive multi-frame efficient transmission based on LoRaWAN	Ren Zhi, Qin Jun, Jiang Nan, et al.	(1518)
Carrier recovery and clock synchronization of GMSK signals in space communications	Tang Zhiling, Zou Xin, Li Simin	(1522)
Improved RS decoding algorithm and RS decoding simulation under CCSDS standard in satellite communications	Wang Bingrui, Yang Xiaofei, Yao Xingzhong	(1528)
Research on synchronizability of multilayer star network with time-varying coupling strength	Li Xiaoxia, Li Yanyu, Feng Zhixin, et al.	(1532)
DOA estimation of coherent sources based on hybrid MUSIC algorithm	Zhang Quan, Li Simin, Tang Zhiling	(1536)

Technology of Graphic & Image

Learning of prototype set and orthogonal projection for image set classification	Ren Zhenwen, Wu Mingna	(1541)
Wavelet transform image denoising algorithm based on improved threshold function	Zhang Huijuan, Zhang Damin, Yan Wei, et al.	(1545)
Improvement of GrabCut image segmentation algorithm based on non-normalized histogram	Kong Xian, Ma Xiaoke	(1549)
Color preserved self-adaptive single image defogging method	Tang Hui, Ren Jiewen, Bao Xudong	(1553)
Sensitive image detection method based on deep neural network and sparse semantics	Ruxianguli · Abudurexit, Yasen · Aizezi, Sun Guozi	(1557)
Image super-resolution reconstruction based on adaptive semi-coupled dictionary learning	Huang Taoye, Sun Tiantian, Zhou Zhenghua, et al.	(1561)
Hierarchical target detection and human body attitude estimation based on structured SVM and CNN	Sun Xinling, Zhang Hao, Zhao Li	(1566)
Adaptive deraining and desnowing algorithm based on matrix completion	Tian Wenying, Huang Chengquan, Ran Longcui	(1570)
Alzheimer's disease classification algorithm based on DCGAN and LSTM	Lin Ying, He Xiaofeng, Chen Lingna, et al.	(1574)
Research on expression recognition based on improved deep residual network	He Jun, Liu Yue, Li Changhong, et al.	(1578)
Turbulence-degraded image restoration algorithm based on twice bi-dimensional empirical mode decomposition denoising	Xu Bin, Ge Baozhen, Lyu Qieni, et al.	(1582)
Person re-identification by decorrelated high-precision classification network and re-ranking	Han Guang, Ge Yaming, Zhang Chengwei	(1587)
Remote sensing change detection based on adaptive space and conditional random fields	Yang Jingyu, Wu Lei, Wang Yangping, et al.	(1592)
Transductive zero-shot classification algorithm for remote sensing image scenes	Wu Chen, Yuan Yuwei, Wang Hongwei, et al.	(1597)