

EI数据库收录期刊
第42卷 第11期
Vol.42 No.11

ISSN 1009-5896
CODEN DKXUEC
CN 11-4494/TN

电子与信息学报

JOURNAL OF ELECTRONICS & INFORMATION TECHNOLOGY

2020

11

中国科学院空天信息创新研究院
国家自然科学基金委员会信息科学部 主办



科学出版社

电子与信息学报
DIANZI YU XINXI XUEBAO
第42卷第11期 2020年11月

目 次

论 文

- 基于奇异值分解与神经网络的干扰识别 冯 煦, 王梓楠 (2573)
基于主奇异矢量的L型阵列相干信号二维DOA估计方法
..... 唐晓杰, 何明浩, 冯明月, 陈昌孝, 韩 俊 (2579)
脉冲噪声下基于循环相关熵和稀疏重构的宽带信号DOA估计
..... 张家成, 邱天爽, 乘声扬, 李景春, 李 蓉 (2587)
基于空时导向约束的天基雷达离散旁瓣杂波判别方法 王伟伟, 段崇棣, 张 欣, 李 渝, 杨晓超 (2592)
脉冲噪声下基于相关熵的相干分布源DOA估计新方法 蔡睿妍, 杨 力, 钱 杨 (2600)
复杂天气及海风对天基被干涉微波辐射无源探测系统性能的影响
..... 宋广南, 卢海梁, 李 浩, 李一楠, 郎 量, 董思乔, 李鹏飞, 吕容川 (2607)
基于能量误差的人体有限元模型网格剖分优化研究 魏宏安, 吴小清, 张 昂 (2615)
一种星载通信混合反射面天线的设计方法 李建军, 尹鹏飞, 赵现斌 (2621)
土壤表面与置于其上组合目标复合电磁散射特性研究 任新成, 刘 鹏, 朱小敏, 杨鹏举, 赵 眯 (2629)
军车隐秘编队的无线紫外光通信最优多跳中继研究 赵太飞, 李永明, 许 杉, 王世奇 (2636)
基于深度神经网络的Morse码自动译码算法 游 凌, 李伟浩, 张文林, 王科人 (2643)
基于提前终止迭代的概率近似消息传递检测算法 申 敏, 任茜源, 何 云 (2649)
异构蜂窝网络中基于能效的非正交多址接入下行功率分配算法 张 双, 康桂霞 (2656)
基于移动路径预测的车载边缘计算卸载切换策略研究 李 波, 牛 力, 黄 鑫, 丁洪伟 (2664)
基于迁移演员-评论家学习的服务功能链部署算法 唐 伦, 贺小雨, 王 晓, 陈前斌 (2671)
一种应用于5G非授权频段通信的低时延随机接入机制
..... 朱正航, 贾建鑫, 郭振红, 钱 骞, 康 凯 (2680)
北斗三号基本系统空间信号质量评估 宿晨庚, 郭树人, 刘旭楠, 饶永南, 王 萌 (2689)
具有小规模公开参数的适应安全的非零内积加密方案 高海英, 魏 锋 (2698)
基于密集连接卷积神经网络的入侵检测技术研究 缪祥华, 单小撤 (2706)
支持关键字搜索的无证书密文等值测试加密方案 张玉磊, 陈文娟, 张永洁, 张雪微, 王彩芬 (2713)
基于改进单天线投影算法的广播式自动相关监视信号分离 王文益, 邵宇识 (2720)
基于粒子群优化多核支持向量数据描述的广播式自动相关监视异常数据检测模型
..... 王布宏, 罗 鹏, 李腾耀, 田继伟, 尚福特 (2727)
基于中心对齐多核学习的稀疏多元逻辑回归算法 雷大江, 唐建烊, 李智星, 吴 渝 (2735)
基于自适应权值裁剪的Adaboost快速训练算法 余陆斌, 杜启亮, 田联房 (2742)
基于自适应的增广状态-交互式多模型的机动目标跟踪算法
..... 许 红, 谢文冲, 袁华东, 段克清, 王永良 (2749)

- 基于双错测度的极限学习机选择性集成方法 夏平凡, 倪志伟, 朱旭辉, 倪丽萍 (2756)
具有聚类结构相似性的非参数贝叶斯字典学习算法 董道广, 芮国胜, 田文魁, 张 洋, 刘 歌 (2765)
基于结构组全变分模型的图像压缩感知重建 赵 辉, 杨晓军, 张 静, 孙 超, 张天骐 (2773)
基于感兴趣区域的高性能视频编码帧内预测优化算法 宋人杰, 张元东 (2781)
动态背景下基于低秩及稀疏分解的动目标检测方法 王洪雁, 张海坤 (2788)
基于雾线先验的时空关联约束视频去雾算法 姚婷婷, 梁 越, 柳晓鸣, 胡 青 (2796)
基于改进Mask R-CNN的模糊图像实例分割的研究 陈卫东, 郭蔚然, 刘宏炜, 朱奇光 (2805)
面向图像识别的测地局部典型相关分析方法 许 欢, 苏树智, 颜文婧, 邓瀛灏, 谢 军 (2813)
应用于数字DC-DC转换器的高分辨率数字脉宽调制器设计
..... 张 章, 崔明辉, 李 斌, 程 心, 解光军 (2819)

JOURNAL OF ELECTRONICS & INFORMATION TECHNOLOGY

Vol.42 No.11 November 2020

CONTENTS

Papers

| | |
|---|--|
| Interference Recognition Based on Singular Value Decomposition and Neural Network | FENG Man, WANG Zinan (2573) |
| Two-dimensional DOA Estimation Method for L-shaped Array of Coherent Signals Based on Main Singular Vector | TANG Xiaojie, HE Minghao, FENG Mingyue, CHEN Changxiao, HAN Jun (2579) |
| Wideband DOA Estimation via Cyclic Correntropy and Sparse Reconstruction in the Presence of Impulsive Noise | ZHANG Jiacheng, QIU Tianshuang, LUAN Shengyang, LI Jingchun, LI Rong (2587) |
| A Discrete Side-lobe Clutter Recognition Method Using Space-time Steering Vectors for Space Based Radar System | WANG Weiwei, DUAN Chongdi, ZHANG Xin, LI Yu, YANG Xiaochao (2592) |
| A Novel DOA Estimation Method for Coherently Distributed Sources Based on Correntropy in the Impulsive Noise | CAI Ruiyan, YANG Li , QIAN Yang (2600) |
| The Effects of Complex Weather and Sea Wind on the Performance of Space-borne Passive Interferometric Microwave DetectionSystem | SONG Guangnan, LU Hailiang, LI Hao, LI Yinan, LANG Liang, DONG Siqiao, LI Pengfei, LÜ Rongchuan (2607) |
| Research on Mesh Generation Optimization of Finite Element Model of Human Body Based on Energy Error | WEI Hong'an, WU Xiaoqing, ZHANG Ang (2615) |
| A Synthesis Method of Hybrid Reflector Antenna for Satellite Communications | LI Jianjun, YIN Pengfei, ZHAO Xianbin (2621) |
| Study on the Characteristics of Composite Electromagnetic Scattering From Soil Surface and Combinatorial Target Placed on It | REN Xincheng, LIU Peng, ZHU Xiaomin, YANG Pengju, ZHAO Ye (2629) |
| Research on Optimum Multi-hop Relay of Wireless Ultraviolet Communication in Military Vehicle Secret Formation | ZHAO Taifei, LI Yongming, XU Shan, WANG Shiqi (2636) |
| Automatic Decoding Algorithm of Morse Code Based on Deep Neural Network | YOU Ling, LI Weihao, ZHANG Wenlin, WANG Keren (2643) |
| Probability Approximation Message Passing Detection Algorithm Based on Early Termination of Iteration | SHEN Min, REN Xiyuan, HE Yun (2649) |
| Energy Efficient Power Allocation with NOMA in Downlink Heterogeneous Networks | ZHANG Shuang, KANG Guixia (2656) |
| Mobility Prediction Based Computation Offloading Handoff Strategy for Vehicular Edge Computing | LI Bo, NIU Li, HUANG Xin, DING Hongwei (2664) |
| Deployment Algorithm of Service Function Chain Based on Transfer Actor-Critic Learning | TANG Lun, HE Xiaoyu, WANG Xiao, CHEN Qianbin (2671) |
| A Low Latency Random Access Mechanism for 5G New Radio in Unlicensed Spectrum | ZHU Zhenghang, JIA Jianxin, LI Zhenhong, QIAN Hua, KANG Kai (2680) |
| Signal Quality Assessment of BDS-3 Preliminary System | SU Chengeng, GUO Shuren, LIU Xunan, RAO Yongnan, WANG Meng (2689) |
| Adaptive Secure Non-zero Inner Product Encryption Scheme with Small-scale Public Parameters | GAO Haiying, WEI Duo (2698) |
| Research on Intrusion Detection Technology Based on Densely Connected Convolutional Neural Networks | MIAO Xianghua, SHAN Xiaoche (2706) |

(To be continued on inside back cover)

(Continued)

| | | |
|--|---|--------|
| Certificateless Puklic Key Encryption With Equality Test of Supporting Keyword Search | ZHANG Yulei, CHEN Wenjuan, ZHANG Yongjie, ZHANG Xuewei, WANG Caifen | (2713) |
| Signal Separation for Automatic Dependent Surveillance-Broadcast Using Improved Single Antenna Project Algorithm | WANG Wenyi, SHAO Yushi | (2720) |
| ADS-B Anomalous Data Detection Model Based on PSO-MKSVD | WANG Buhong, LUO Peng, LI Tengyao, TIAN Jiwei, SHANG Fute | (2727) |
| Sparse Multinomial Logistic Regression Algorithm Based on Centered Alignment Multiple Kernels Learning | LEI Dajiang, TANG Jianyang, LI Zhixing, WU Yu | (2735) |
| Fast Training Adaboost Algorithm Based on Adaptive Weight Trimming | YU Lubin, DU Qiliang, TIAN Lianfang | (2742) |
| Maneuvering Target Tracking Algorithm Based on the Adaptive Augmented State Interracting Multiple Model | XU Hong, XIE Wenchong, YUAN Huadong, DUAN Keqing, WANG Yongliang | (2749) |
| Selective Ensemble Method of Extreme Learning Machine Based on Double-fault Measure | XIA Pingfan, NI Zhiwei, ZHU Xuhui, NI Liping | (2756) |
| A Nonparametric Bayesian Dictionary Learning Algorithm with Clustering Structure Similarity | DONG Daoguang, RUI Guosheng, TIAN Wenbiao, ZHANG Yang, LIU Ge | (2765) |
| Image Compressed Sensing Reconstruction Based on Structural Group Total Variation | ZHAO Hui, YANG Xiaojun, ZHANG Jing, SUN Chao, ZHANG Tianqi | (2773) |
| High Efficiency Video Coding Intra Prediction Optimization Algorithm Based on Region of Interest | SONG Renjie, ZHANG Yuandong | (2781) |
| Moving Object Detection Method Based on Low-Rank and Sparse Decomposition in Dynamic Background | WANG Hongyan, ZHANG Haikun | (2788) |
| Video Dehazing Algorithm via Haze-lines Prior with Spatiotemporal Correlation Constraint | YAO Tingting, LIANG Yue, LIU Xiaoming, HU Qing | (2796) |
| Research on Fuzzy Image Instance Segmentation Based on Improved Mask R-CNN | CHEN Weidong, GUO Weiran, LIU Hongwei, ZHU Qiguang | (2805) |
| A Geodesic Locality Canonical Correlation Analysis Method for Image Recognition | XU Huan, SU Shuzhi, YAN Wenjing, DENG Yinghao, XIE Jun | (2813) |
| High Resolution Digital Pulse Width Modulation Design for Digital DC-DC Converter | ZHANG Zhang, CUI Minghui, LI Bin, CHENG Xin, XIE Guangjun | (2819) |