

EI数据库收录期刊

第41卷 第10期

Vol.41 No.10

ISSN 1009-5896

CODEN DKXUEC

CN 11-4494/TN

电子与信息学报

JOURNAL OF ELECTRONICS & INFORMATION TECHNOLOGY

2019

10

中国科学院电子学研究所 主办
国家自然科学基金委员会信息科学部



科学出版社

电子与信息学报

DIANZI YU XINXI XUEBAO

第41卷 第10期 2019年10月

目 次

论 文

- D2D网络中信道选择与功率控制策略研究 钱志鸿, 田春生, 王 鑫, 王 雪 (2287)
基于格拉布斯准则和改进粒子滤波算法的水下传感网目标跟踪 张 颖, 高灵君 (2294)
基于接收信号强度非齐性分布特征的半监督学习室内定位指纹库构建
..... 李世宝, 王升志, 刘建航, 黄庭培, 张 鑫 (2302)
邻近信息约束下的随机异构无线传感器网络节点调度算法
..... 秦宁宁, 金 磊, 许 健, 徐 帆, 杨 乐 (2310)
基于贝叶斯自动相关性确定的稀疏重构正交频分复用信号时延估计算法
..... 崔维嘉, 张 鹏, 巴 斌 (2318)
多信源多中继编码协作系统准循环 LDPC 码的联合设计与性能分析 张顺外, 魏 琪 (2325)
基于回声状态网络的卫星信道在线盲均衡算法 杨 凌, 赵 腾, 陈 亮, 李 暖, 张国龙 (2334)
极低信噪比下对偶序列跳频信号的随机共振检测方法
..... 刘广凯, 全厚德, 孙慧贤, 崔佩璋, 池 阔, 姚少林 (2342)
基于极化敏感阵列均匀线阵的二维 DOA 估计 刘鲁涛, 王传宇 (2350)
基于相邻互相关函数-参数化中心频率-调频率分布-Keystone 变换的无源雷达机动目标相参积累方法
..... 赵勇胜, 胡德秀, 刘智鑫, 赵拥军, 赵 闯 (2358)
改进射线描述的低仰角散射斜延迟实时估计 吴文溢, 钟方平, 王万鹏, 陈西宏, 朱 丹 (2366)
基于深度卷积神经网络的气象雷达噪声图像语义分割方法 杨宏宇, 王峰岩 (2373)
具有高资源利用率特征的改进型查找表电路结构与优化方法
..... 高丽江, 杨海钢, 李 威, 郝亚男, 刘长龙, 石彩霞 (2382)
低热梯度导向的三维ΦΠΓΑ互连通道网络架构研究 高丽江, 杨海钢, 张 超 (2389)
基于涡轮式气体流量传感器的用力呼气容量计算方法
..... 王辰硕, 何光强, 李玥琪, 赵荣建, 陈贤祥, 杜利东, 赵 湛, 方 震 (2396)
支持国产密码算法的高速 PCIe 密码卡的设计与实现 赵 军, 曾学文, 郭志川 (2402)
区块链上基于 B+树索引结构的密文排序搜索方案
..... 牛淑芬, 王金凤, 王伯彬, 贾向东, 杜小妮 (2409)
具有最小异或数的最大距离可分矩阵的构造 陈少真, 张怡帆, 任炯炯 (2416)
一种构造 GC 常重量 DNA 码的方法 梁 静, 李红菊, 赵 凤, 丁 健 (2423)
命名数据网络中可追溯且轻量级的细粒度访问控制机制
..... 雷江涛, 何 宸, 王俊霞 (2428)
一种面向安全的虚拟网络功能动态异构调度方法
..... 季新生, 徐水灵, 刘文彦, 全 青, 李凌书 (2435)
基于加权的 K 近邻线性混合显著性目标检测 李 炜, 李全龙, 刘政怡 (2442)
一种基于分布式压缩感知的矿井目标指纹数据库建立方法 田子建, 贺方圆 (2450)
学生 t 混合势均衡多目标多伯努利滤波器 陈树新, 洪 磊, 吴 翔, 刘卓威, 岳龙华 (2457)

基于多层卷积特征的自适应决策融合目标跟踪算法	孙彦景, 石韫开, 云霄, 朱绪冉, 王赛楠	(2464)
基于博弈的机器人认知情感交互模型	黄宏程, 刘宁, 胡敏, 陶洋, 寇兰	(2471)
基于多尺度稠密残差网络的 JPEG 压缩伪迹去除方法	陈书贞, 张祎俊, 练秋生	(2479)
基于高层特征图组合及池化的高分辨率遥感图像检索	葛芸, 马琳, 江顺亮, 叶发茂	(2487)
一种方向插值预测变长编码的帧存有损压缩算法	罗瑜, 张珍珍	(2495)
多级跳线连接的深度残差网络超分辨率重建	赵小强, 宋昭漾	(2501)
基于金字塔池化网络的道路场景深度估计方法	周武杰, 潘婷, 顾鹏笠, 翟治年	(2509)
候选标记信息感知的偏标记学习算法	陈鸿昶, 谢天, 高超, 李邵梅, 黄瑞阳	(2516)
基于多特征图金字塔融合深度网络的遥感图像语义分割	赵斐, 张文凯, 闫志远, 于泓峰, 刁文辉	(2525)
基于目标紧密性与区域同质性策略的图像显著性检测	唐红梅, 王碧莹, 韩力英, 周亚同	(2532)

JOURNAL OF ELECTRONICS & INFORMATION TECHNOLOGY

Vol.41 No.10 Oct. 2019

CONTENTS

Papers

- Research on Channel Selection and Power Control Strategy for D2D Networks
..... *QIAN Zhihong, TIAN Chunsheng, WANG Xin, WANG Xue* (2287)
- Target Tracking with Underwater Sensor Networks Based on Grubbs Criterion and Improved Particle Filter
Algorithm *ZHANG Ying, GAO Lingjun* (2294)
- Semi-supervised Indoor Fingerprint Database Construction Method Based on the Nonhomogeneous Distribution
Characteristic of Received Signal Strength
..... *LI Shibaob, WANG Shengzhi, LIU Jianhang, HUANG Tingpei, ZHANG Xin* (2302)
- Neighbor Information Constrained Node Scheduling in Stochastic Heterogeneous Wireless Sensor Networks
..... *QIN Ningning, JIN Lei, XU Jian, XU Fan, YANG Le* (2310)
- Sparse Reconstruction OFDM Delay Estimation Algorithm Based on Bayesian Automatic Relevance Determination
..... *CUI Weijia, ZHANG Peng, BA Bin* (2318)
- Joint Design of Quasi-cyclic Low Density Parity Check Codes and Performance Analysis of Multi-source Multi-relay
Coded Cooperative System *ZHANG Shunwai, WEI Qi* (2325)
- Online Blind Equalization Algorithm for Satellite Channel Based on Echo State Network
..... *YANG Ling, ZHAO Bin, CHEN Liang, LI Yuan, ZHANG Guolong* (2334)
- Stochastic Resonance Detection Method for the Dual-Sequence Frequency Hopping Signal under Extremely Low
Signal-to-Noise Radio *LIU Guangkai, QUAN Houde, SUN Huixian, CUI Peizhang, CHI Kuo, YAO Shaolin* (2342)
- Two Dimensional DOA Estimation Based on Polarization Sensitive Array and Uniform Linear Array
..... *LIU Lutao, WANG Chuanyu* (2350)
- Coherent Integration Algorithm Based on Adjacent Cross Correlation Function-Parameterized Centroid
Frequency-Chirp Rate Distribution -Keystone Transform for Maneuvering Target in Passive Radar
..... *ZHAO Yongsheng, HU Dexiu, LIU Zhixin, ZHAO Yongjun, ZHAO Chuang* (2358)
- Real-time Estimation of Tropospheric Scattering Slant Delay of Low-elevation Obtained by Improved Ray Tracing
..... *WU Wenyi, ZHONG Fangping, WANG Wanpeng, CHEN Xihong, ZHU Dan* (2366)
- Meteorological Radar Noise Image Semantic Segmentation Method Based on Deep Convolutional Neural Network
..... *YANG Hongyun, WANG Fengyan* (2373)
- A Circuit Optimization Method of Improved Lookup Table for Highly Efficient Resource Utilization.....
..... *GAO Lijiang, YANG Haigang, LI Wei, HAO Yanan, LIU Changlong, SHI Caixia* (2382)
- Research into Low Thermal Gradient Oriented 3D FPGA Interconnect Channel Architecture Design.....
..... *GAO Lijiang, YANG Haigang, ZHANG Chao* (2389)
- Calculation of Forced Vital Capacity Based on Turbine Air Flow Sensor *WANG Chenshuo,*
HE Guangqiang, LI Yueqi, ZHAO Rongjian, CHEN Xianxiang, DU Lidong, ZHAO Zhan, FANG Zhen (2396)
- Design and Implementation of High Speed PCIe Cipher Card Supporting GM Algorithms
..... *ZHAO Jun, ZENG Xuewen, GUO Zhichuan* (2402)
- Ciphertext Sorting Search Scheme Based on B+ Tree Index Structure on Blockchain
..... *NIU Shufen, WANG Jinfeng, WANG Bobin, JIA Xiangdong, DU Xiaoni* (2409)
- Constructions of Maximal Distance Separable Matrices with Minimum XOR-counts
..... *CHEN Shaozhen, ZHANG Yifan, REN Jiongjiong* (2416)
- A Method for Constructing GC Constant Weight DNA Codes
..... *LIANG Jing, LI Hongju, ZHAO Feng, DING Jian* (2423)
- (To be continued on inside back cover)

(Continued)

- Traceable Lightweight and Fine-grained Access Control in Named Data Networking.....
..... LUO Jiangtao, HE Chen, WANG Junxia (2428)
- A Security-oriented Dynamic and Heterogeneous Scheduling Method for Virtual Network Function.....
..... JI Xinsheng, XU Shuiling, LIU Wenyan, TONG Qing, LI Lingshu (2435)
- Salient Object Detection Using Weighted K-nearest Neighbor Linear Blending.....
..... LI Wei, LI Quanlong, LIU Zhengyi (2442)
- A Method to Visualize Deep Convolutional Networks Based on Model Reconstruction.....
..... TIAN Zijian, HE Fangyuan (2450)
- Student's *t* Mixture Cardinality Balanced Multi-target Multi-Bernoulli Filter
- CHEN Shuxin, HONG Lei, WU Hao, LIU Zhuowei, YUE Longhua (2457)
- Adaptive Strategy Fusion Target Tracking Based on Multi-layer Convolutional Features
- SUN Yanjing, SHI Yunkai, YUN Xiao, ZHU Xuran, WANG Sainan (2464)
- Cognitive Emotion Interaction Model of Robot Based on Game Theory
- HUANG Hongcheng, LIU Ning, HU Min, TAO Yang, KOU Lan (2471)
- JPEG Compression Artifacts Reduction Algorithm Based on Multi-scale Dense Residual Network
- CHEN Shuzhen, ZHANG Yijun, LIAN Qiusheng (2479)
- The Combination and Pooling Based on High-level Feature Map for High-resolution Remote Sensing Image Retrieval
- GE Yun, MA Lin, JIANG Shunliang, YE Famao (2487)
- A Lossy Frame Memory Compression Algorithm Using Directional Interpolation Prediction Variable Length Coding
- LUO Yu, ZHANG Zhenzhen (2495)
- Super-Resolution Reconstruction of Deep Residual Network with Multi-Level Skip Connections.....
..... ZHAO Xiaoqiang, SONG Zhaoyang (2501)
- Depth Estimation of Monocular Road Images Based on Pyramid Scene Analysis Network.....
..... ZHOU Wujie, PAN Ting, GU Pengli, ZHAI Zhinian (2509)
- Candidate Label-Aware Partial Label Learning Algorithm
- CHEN Hongchang, XIE Tian, GAO Chao, LI Shaomei, HUANG Ruiyang (2516)
- Multi-feature Map Pyramid Fusion Deep Network for Semantic Segmentation on Remote Sensing Data.....
..... ZHAO Fei, ZHANG Wenkai, YAN Zhiyuan, YU Hongfeng, DIAO Wenhui (2525)
- Image Saliency Detection Based on Object Compactness and Regional Homogeneity Strategy
- TANG Hongmei, WANG Biying, HAN Liying, ZHOU Yatong (2532)