



Ei Compendex 收录期刊
中文核心期刊

ISSN 1001-0548
CN 51-1207/T
CODEN DKDAEM

电子科技大学 学报

JOURNAL OF UNIVERSITY
OF ELECTRONIC SCIENCE AND
TECHNOLOGY OF CHINA
第47卷 第1期 Vol. 47 No.1



ISSN 1001-0548



2018

中国 成都 CHENGDU CHINA

目 次

• 通信与信息工程 •

基于自适应同时稀疏表示的鲁棒性目标追踪	李厚彪, 樊庆宇, 耿广磊	(1)
空间调制系统中的人工噪声抗窃听安全传输方案	雷维嘉, 兰顺福	(13)
太赫兹频段微动特征边缘检测及提取方法	田 坤, 李 晋	(19)
基于小波分析的改进旁瓣相消宽带信号波束形成算法	刘 影, 谢 驰	(25)
DC-DC转换器高集成度片上软启动电路	杨 骁, 李靖坤, 徐锦里, 陈国晏, 姜付军, 李 浩	(30)
天线孔径动态分割下的雷达一体化系统资源调度	姜 昊, 张 群, 罗 迎, 陈怡君, 何其芳	(37)

• 自动化技术 •

数理统计和频谱分析的TIADC误差校正方法	杨扩军, 孔祥伟, 施佳丽, 叶 芃	(43)
多通道高采样率任意波形发生器的设计	杨 兴, 王厚军, 刘 科	(51)
匹配输电线路巡检需求的无人机选型研究	王 淼, 刘伟东, 李一鹏, 武 艺, 李源源, 张忠瑞, 陈 明	(60)
基于证据理论和代理模型的QMU分析	谢朝阳, 李贵杰, 彭忠明, 黄洪钟	(66)

• 计算机工程与应用 •

噪声信道下量子隐形传态协议研究综述	李冬芬, 王瑞锦, 张凤荔, 李蝉娟, 陈学勤, 王馨云, 刘 行	(73)
基于影子内存的无代理虚拟机进程防护	陈兴蜀, 陈蒙蒙, 金 鑫	(80)
基于改进跳表的云端数据完整性验证协议	王瑞锦, 张凤荔, 王馨云, 陈学勤, 罗 昊, 秦圣智	(88)
一种基于LWE的BGN加密及门限加密方案	李菊雁, 马春光, 袁 琪	(95)
基于邻域粗糙集与鱼群智能的基因选择方法	陈玉明, 朱清新, 曾志强, 孙金华, 唐朝辉	(99)
图像亮度精确控制的双直方图均衡算法	江巨浪, 王振东, 钟伦超, 吴 翰	(105)
一种引入加权异构信息的改进协同过滤推荐算法	张海霞, 吕 振, 张传亭, 袁东风	(112)
一种面向动态网络的社团检测与演化分析方法	王 菊, 刘付显	(117)
不均衡大数据集下的文本特征基因提取方法	孙晶涛, 张秋余	(125)
众筹平台的双层网络信息传播模型研究	周冬梅, 陈 婷, 赵闻文	(132)

• 电子信息材料与器件 •

自供能气体传感器研究进展	谢光忠, 王 斯, 谢法彪, 苏元捷	(139)
流延工艺对生瓷带结构和微波特性的影响	徐自强, 孙洋涛, 李元勋, 吴孟强, 杨邦朝	(147)
微圆顶阵列结构柔性触觉传感器设计与应用研究	郭小辉, 黄 英, 刘彩霞, 刘 平, 马渊明	(153)
基于ANSYS的场发射阵列阴极焊接应力研究	王小菊, 敦 涛, 马祥云, 徐如祥, 祁康成, 曹贵川, 林祖伦	(157)

期刊基本参数: CN51-1207/T*1959*b*16*160*zh*P*25.00*1500*24*2018-01

JOURNAL OF UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA

Vol.47 No.1 Jan. 2018

CONTENTS

• Communication and Information Engineering •

Robust Visual Tracking Based on Adaptive Simultaneous Sparse Representation	LI Hou-biao, FAN Qing-yu, and GENG Guang-lei	(1)
An Anti-Eavesdropping Secure Transmission Scheme Using Artificial Noise with Spatial Modulation	LEI Wei-jia and LAN Shun-fu	(13)
Micro-Motion Feature Extraction Method Based on Edge Detection in Terahertz Band	TIAN Kun and LI Jin	(19)
Improved Sidelobe Cancellation Algorithm for Wideband Beamforming Based on Wavelet	LIU Ying and XIE Chi	(25)
Compact On-Chip Soft-Start Circuit for DC-DC Converters	YANG Xiao, LI Jing-kun, XU Jin-li, CHEN Guo-yan, LOU Fu-jun, and LI Hao	(30)
System Resource Scheduling of Radar Integration System Based on Dynamic Aperture Segment Antenna	LOU Hao, ZHANG Qun, LUO Ying, CHEN Yi-jun, and HE Qi-fang	(37)

• Automation Techniques •

Mathematical Statistics and Spectrum Analysis Calibration Method for Time-Interleaved ADC System	YANG Kuo-jun, KONG Xiang-wei, SHI Jia-li, and YE Peng	(43)
Design of High Speed Multi-Channel Arbitrary Waveform Generator	YANG Xing, WANG Hou-jun, and LIU Ke	(51)
Fast Matching Selection Lgorithm of UAV Platform Based on Task Demand of Transmission Line Inspection	WANG Miao, LIU Wei-dong, LI Yi-peng, WU Yi, LI Yuan-yuan, ZHANG Zhong-rui, and CHEN Ming	(60)
Quantification of Margins and Uncertainties Approach Using Evidence Theory and Surrogate Model	XIE Chao-yang, LI Gui-jie, PENG Zhong-ming, and HUANG Hong-zhong	(66)

• Computer Engineering and Applications •

A Literature Review of the Research of Quantum Teleportation Protocols for Noise	LI Dong-fen , WANG Rui-jin, ZHANG Feng-li, LI Chan-juan, CHEN Xue-qin, WANG Xin-yun, and LIU Xing	(73)
Shadow Memory-Based Agentless Virtual Machine Process Protection	CHEN Xing-shu, CHEN Meng-meng, and JIN Xin	(80)
A Cloud Data Integrity Verification Protocol Based on Improved Skip Lists	WANG Rui-jin, ZHANG Feng-li, WANG Xin-yun, CHENG Xue-qin, LUO Hao, and QING Sheng-zhi	(88)
A BGN-Type Encryption from LWE with a Threshold Encryption Scheme	LI Ju-yan, MA Chun-guang, and YUAN Qi	(95)
Gene Selection Method Based on Neighborhood Rough Sets and Fish Swarm Intelligence	CHEN Yu-ming, ZHU Qing-xin, ZENG Zhi-qiang, SUN Jin-hua, and TANG Chao-hui	(99)
Bi-Histogram Equalization Algorithm with Precise Control of Image Brightness	JIANG Ju-lang, WANG Zhen-dong, ZHONG Lun-chao, and WU Han	(105)
An Improved Collaborative Filtering Recommendation Algorithm with Weighted Heterogeneous Information	ZHANG Hai-xia, LÜ Zhen, ZHANG Chuan-ting, and YUAN Dong-feng	(112)
New Community Detection and Evolution Analysis Method for Dynamic Networks	WANG Ju and LIU Fu-xian	(117)
Text Feature Gene Extraction on Imbalanced Big Dataset	SUN Jing-tao and ZHANG Qiu-yu	(125)
Research on Information Spreading Model on Coupled Networks of Crowdfunding Platform	ZHOU Dong-mei, CHEN Ting, and ZHAO Wen-wen	(132)

• Electronic & Information Materials and Devices •

Recent Progress in Self-Powered Gas Sensors	XIE Guang-zhong, WANG Si, XIE Fa-biao, and SU Yuan-jie	(139)
Effect of Tape Casting Procedure on Structure and Microwave Characteristics of Tapes	XU Zi-qiang, SUN Yang-tao, LI Yuan-xun, WU Meng-qiang, and YANG Bang-chao	(147)
Research on the Design and Application of Flexible Tactile Sensor with Microdome Array Structures	GUO Xiao-hui, HUANG Ying, LIU Cai-xia, LIU Ping, and MA Yuan-ming	(153)
Research of Welding Stress of Field Emission Array Based on ANSYS	WANG Xiao-ju, DUN Tao, MA Xiang-yun, XU Ru-xiang, QI Kang-cheng, CAO Gui-chuan, and LIN Zu-lun	(157)