



全国中文核心期刊

ISSN 1673-5692
CN 11-5401/TN

Vol.10 No.6 Dec. 2015 总第62期

(双月刊)



中国电子科学研究院学报

JOURNAL OF CHINA ACADEMY OF ELECTRONICS AND INFORMATION TECHNOLOGY

第10卷第6期 2015年12月

ISSN 1673-5692



中国电子科学研究院

China Academy of Electronics and Information Technology

中国电子科学研究院学报

第 10 卷 第 6 期 2015 年

目 次

基础理论

- 动态信息基础设施下统一身份鉴别技术 马进胜(563)
- 一种基于人眼视觉特性的图像质量评价方法 万海东,卢彦飞,张 涛(567)
- 基于最小均方误差的载频盲估计算法 寻贇贇,赵成林,孟 娟(574)
- 氦质谱细漏检测最长候检时间的定量拓展 王庚林,李宁博,董立军,李 飞(579)

工程与应用

- 天基物联网发展设想 柳 罡,陆 洲,周 彬,胡金晖,秦 鹏,秦智超(586)
- 星载测控数传一体化平台中 CAN 总线接口的 FPGA 实现 王 杰,李志强,朱文明,汤吉波(593)
- 双频段信号的带通采样频率选取方法 李兆晋,耿军平,梁仙灵,金荣洪(598)
- 灰色关联算法在多传感器辐射源识别系统的应用研究 傅成彬,张 靖,计文平,张永利(602)
- 一种新的相控阵雷达旁瓣混和干扰策略 赵国林,刘剑豪,韩俊(607)
- 基于分布式存储系统的数据认证和安全保障研究 王丹辉(613)
- 基于元学习的软件缺陷预测推荐方法 程 俊,张雪莹,李瑞贤(620)
- 一种增强型 VPN 安全隔离网关设计与实现 孙伟峰,张 琳,林少锋,杨 燕,陶 波(628)
- 基于高速 DDFS 的高精度 DAC 的设计 张 涛,万书芹,苏小波,于宗光(632)
- 基于相位差变化率单站无源定位及其试验方法研究 张政超,李文臣,袁翔宇,陈 杨,李 宏(636)
- 基于 GaN 管芯的 LS 波段宽带功率放大器的设计 赵家敏,张瑞,安士全(642)
- 异型加热器在直拉硅单晶炉中的应用 吕 菲,耿博耘(646)
- 高速半导体激光器同轴封装工艺误差分析 刘 勇,李锦华,周 雷,司淑平(652)

综 述

- 国外无人侦察监视飞机发展分析 刘长清,潘舟浩,唐晓斌(657)
- 无人机在优化时敏目标杀伤链中的作用研究 郝英好,严晓芳,赵 楠(662)
- 2015 美军军用卫星现状和发展特点浅析 李 悦,李健良,房 莹(667)

Journal of China Academy of Electronics and Information Technology

Vol. 10 No. 6 2015

MAIN CONTENTS

Basic Theories

- Unified Identity Authentication Technology Under Dynamic Information Infrastructure MA Jin-sheng(563)
- An Image Quality Assessment Method Using Human Visual Characteristics WAN Hai-dong, LU Yan-fei, ZHANG Tao(567)
- A Blind Frequency Estimation Algorithm Based on Least Mean Square XUN Yun-un, ZHAO Cheng-lin, MENG Juan (574)
- Quantitative Expansion of the Maximum Detection-waiting Time in Helium Mass Spectrometer Fine-leak Test
..... WANG Geng-lin, LI Ning-bo, DONG Li-jun, LI Fei(579)

Engineering and Application

- Research on Development of The Space-based Internet of Things
..... LIU Gang, LU Zhou, ZHOU Bin, HU Jin-hui, QIN Peng, QIN Shi-chao(586)
- Implementation of CAN Bus Interface in FPGA Based on TT&C Platform
..... WANG Jie, LI Zhi-qiang, ZHU Wen-ming, TANG Ji-bo(593)
- A Method of Selecting the Valid Bandpass Sampling Rate for Dual-band Signals
..... LI Zhao-jin, GENG Jun-ping, LIANG Xian-ling, JIN Rong-hong (598)
- Research on The Application of Gray Correlation Theory on Multi-sensor Radiation Recognition System
..... FU Cheng-Bin, ZHANG Jing, JI Wen-Ping, ZHANG Yong-li(602)
- A Novel Sidelobe Mixed Jamming Strategy against Phased Array Radar ZHAO Guo-lin, LIU Jian-hao, HAN Jun(607)
- Data Authentication and Security Assurance Based on Distributed Storage System WANG Dan-hui(613)
- A Meta-Learning Based Recommendation Method for Software Defect Prediction CHENG Jun, ZHANG Xue-ying, LI Rui-xian(620)
- Design and Implementation of an Enhanced VPN Secure Isolation Gateway
..... SUN Wei-feng, ZHANG Lin, LIN Shao-feng, YANG Yan, TAO Bo(628)
- Design of DDFS-Based High Accuracy Digital-to-analog Converter ZHANG Tao, WAN Shu-qin, SU Xiao-bo, YU Zong-guang(632)
- Research on Single Observer-Passive Location Based on Phase Difference Rate of Change and Test Method
..... ZHANG Zheng-chao, LI Wen-chen, YUAN Xiang-yu, CHEN Yang, LI Hong (636)
- Design of LS Wideband Power Amplifier Based on GaN Broadband HEMT ZHAO Jia-min, ZHANG Rui, AN Shi-quan (642)
- Application of Irregular Heater in CZ Silicon Crystal Furnace LV Fei, GENG Bo-yun(646)
- Analysis of Coaxial Package Errors with High-Speed Semiconductor Lasers LIU Yong, LI Jin-hua, ZHOU Lei, SI Shu-ping(652)

Reviews

- Development Tendency of the Worldwide Military ISR Unmanned Aircraft System (UAS)
..... LIU Chang-qing, PAN Zhou-hao, TANG Xiao-bin(657)
- UAV Improving the TST Kill Chain HAO Ying-hao, YAN Xiao-fang, ZHAO Nan(662)
- Brief Analysis for Actuality and Development Characteristics of American Military Satellite in 2015
..... LI Yue, LI Jian-liang, FANG Ying(667)

