

# 电讯技术

DianxunJishu

(1958 年创刊, 月刊)

第 62 卷

第 12 期(卷终)(总第 409 期)

2022 年 12 月 28 日

## 目 次

### 应用基础与前沿技术

- 基于竞争双深度 Q 网络的动态频谱接入 ..... 梁燕, 惠莹 (1715)  
基于残差网络和注意力机制的步态识别算法 ..... 朱磊, 全超, 董亮, 张聪 (1722)

### 电子与信息工程

- 应用决策树的航天测控干扰识别方法 ..... 操礼长, 汪筱阳, 刘军锋, 朱琳, 张宇, 李先友, 辛鑫 (1729)  
面向多波束卫星通信网络的步进跟踪方法 ..... 刘越, 黄印, 何江涛, 赵诚, 孙永磊, 杨健 (1734)  
用于资源动态预留的航天测控资源配置优化算法 ..... 梁军, 陈学军, 刘建平, 原东阳, 罗清青 (1741)  
一种考虑反向缝的全球低轨卫星通信系统的波束排布方法 ..... 李维梅, 施锦文, 崔镇, 崔兆云, 周兰兰 (1751)  
5G 低轨卫星两步随机接入方案及其 FPGA 实现 ..... 梁震, 崔高峰, 王卫东 (1758)  
能效最大化的无人机群三维部署策略分析 ..... 董瑶瑶, 王亚飞, 姚媛媛, 云翔 (1766)  
利用柔性注意力分割模型的 X 频段航海雷达图像海面溢油检测 ..... 周慧, 严凤龙, 褚娜, 陈明华, 刘振宇 (1774)  
累积结构特征描述的多模态遥感影像匹配 ..... 谢勋伟 (1780)  
一种地下排水管道流速测量方法 ..... 张文鑫, 许荆 (1786)  
采用射频直采技术的超宽带软件无线电平台 ..... 丁晟, 孙友礼 (1792)  
一种基于用户终端协助的承载分离机制 ..... 李贵勇, 夏苗苗, 杨玲, 张杰棠 (1802)  
一种运用 SVM 分类的多源态势数据关联方法 ..... 李川, 黄威, 孙伟, 郝欢 (1809)  
基于改进粒子群算法的分布式频率分集阵列瓣抑制方法 ..... 陈炽雄, 景小荣, 刘友永, 陈静, 金海焱 (1813)  
降低多用户大规模 MIMO-OFDM 系统 PAPR 的加速近端梯度算法 ..... 华磊, 王亚军, 刘爽 (1822)  
智能反射面实现空间调制的安全系统性能分析 ..... 姚金慧, 于秀兰 (1828)  
基于 RLS 的二次加权相关时延估计算法 ..... 徐菁, 倪淑燕, 廖育荣 (1835)  
基于稀疏系统辨识的改进的零吸引 LMS 算法 ..... 辛龙坤, 孟金, 易胜宏, 刘挺 (1841)  
实时高精度雷达噪声信号产生方法与 FPGA 实现 ..... 蔡俊晖, 潘明海 (1846)  
多脉冲群组合的 TACAN 空/地信号仿真实现 ..... 郝彦超, 侯进, 王祥宇, 杨宗源, 文志龙, 李天宇, 李昀喆 (1853)

### 综述与评论

- 美“海上一体化防空火控”体系发展及对抗思路分析 ..... 宫尚玉, 陈亮, 王月悦 (1859)  
《电讯技术》2022 年第 62 卷总目次 ..... (I)

### 其他

- 本刊已录用论文开放科学(资源服务)标识码(OSID)展示(四十七) ..... 封二  
稿约 ..... 封三

# TELECOMMUNICATION ENGINEERING

(Monthly, Started in 1958)

Vol.62

No.12(End of Volume) (Series No. 409)

December 28,2022

## CONTENTS

### Application Fundamental Research and Advanced Technology

- Dynamic spectrum access based on dueling double deep Q-network.....LIANG Yan, HUI Ying ( 1715 )  
A gait recognition algorithm based on residual network and attention mechanism  
.....ZHU Lei, TONG Chao, DONG Liang, ZHANG Cong ( 1722 )

### Electronics and Information Engineering

- Aerospace TT&C interference identification by applying decision tree  
.....CAO Lichang, WANG Xiaoyang, LIU Junfeng, ZHU Lin, ZHANG Yu, LI Xianyou, XIN Xin ( 1729 )  
An angle-increment tracking method for multi-beam satellite communication networks  
.....LIU Yue, HUANG Yin, HE Jiangtao, ZHAO Cheng, SUN Yonglei, YANG Jian ( 1734 )  
An optimization algorithm of space TT&C resource allocation for dynamic resource reservation  
.....LIANG Jun, CHEN Xuejun, LIU Jianping, YUAN Dongyang, LUO Qingqing ( 1741 )  
An antenna beam scheme considering cross seam for global LEO satellite communication system  
.....LI Weimei, SHI Jinwen, CUI Zhen, CUI Zhaoyun, ZHOU Lanlan ( 1751 )  
Two-step random access scheme of 5G LEO satellite and its FPGA implementation  
.....LIANG Zhen, CUI Gaofeng, WANG Weidong ( 1758 )  
Analysis of 3D deployment strategy for UAV swarms to maximize energy efficiency  
.....DONG Yaoyao, WANG Yafei, YAO Yuanyuan, YUN Xiang ( 1766 )  
Oil spill identification in X-band marine radar image using soft attention segmentation model  
.....ZHOU Hui, YANG Fenglong, CHU Na, CHEN Minghua, LIU Zhenyu ( 1774 )  
Multimodal remote sensing image matching with cumulative structural feature description.....XIE Xunwei ( 1780 )  
A velocity measurement method of underground drainage pipeline.....ZHANG Wenxin, XU Jing ( 1786 )  
An ultra-wideband software defined radio platform using RF direct sampling.....DING Sheng, SUN Youli ( 1792 )  
A bearer separation mechanism based on user terminal assistance  
.....LI Guiyong, XIA Miaomiao, YANG Ling, ZHANG Jietang ( 1802 )  
A multisource situation data association method based on SVM classification  
.....LI Chuan, HUANG Wei, SUN Wei, HAO Huan ( 1809 )  
A grid lobe suppression method of distributed frequency diverse array based on improved particle swarm optimization algorithm  
.....CHEN Chixiong, JING Xiaorong, LIU Youyong, CHEN Jing, JIN Haiyan ( 1813 )  
Accelerated proximal gradient method for reducing PAPR of multi-user massive MIMO-OFDM systems  
.....HUA Lei, WANG Yajun, LIU Shuang ( 1822 )  
Performance analysis of security system for spatial modulation with intelligent reflective surface...YAO Jinhui, YU Xiulan ( 1828 )  
A quadratic weighted correlation time delay estimation algorithm based on RLS.....XU Jing, NI Shuyan, LIAO Yurong ( 1835 )  
An improved zero-attractive LMS algorithm based on sparse system identification  
.....XIN Longkun, MENG Jin, YI Shenghong, LIU Ting ( 1841 )  
A real-time high-precision radar noise signal generation method and FPGA implementation.....CAI Junhui, PAN Minghai ( 1846 )  
Realization of TACAN air/ground signal simulation based on multi-pulse group combination  
.....HAO Yanchao, HOU Jin, WANG Xiangyu, YANG Zongyuan, WEN Zhilong, LI Tianyu, LI Yunzhe ( 1853 )
- Summarization and Review**
- Analysis of U.S. navy NIFC-CA system-of-system development and countermeasures  
.....GONG Shangyu, CHEN Liang, WANG Yueyue ( 1859 )
- ANNUAL CONTENTS of *Telecommunication Engineering* Volume 62,2022.....( VIII )