



ISSN 2095-5839

JOURNAL OF AIR FORCE EARLY WARNING ACADEMY

空军预警学院学报

第34卷 第2期

Vol.34 No.2

2

2020

中国·武汉

KONGJUN YUJING XUEYUAN XUEBAO

空军预警学院学报

KONGJUN YUJING XUEYUAN XUEBAO

第34卷 第2期

2020年4月

目次

预警探测

- 互耦情况下柱面共形阵的波达方向估计····· 张佳佳 王建刚 李静(79)
- VHF波段星载SAR系统电离层效应仿真研究····· 姚佰栋 时晶晶 盛磊 赵宁 葛家龙(84)
- 基于能力验证的机载对地监视雷达飞行试验方法····· 王磊 谭红毅 方天宇(88)
- L波段靶场激励子系统的设计····· 胡晓文(93)
- 一种实时大动态弹载雷达导引头接收机实验研究····· 马骏 方立军 郭雪锋 张焱 李朝晖(97)
- 地面单基雷达多普勒频率的精确计算····· 赵宏涛 亓迎川 张成胜(100)

信息、情报与通信

- 基于多目标灰狼优化的PHD粒子滤波改进算法····· 吴冕 袁俊泉 郑岱堃 陈阿磊(104)

电子科学与技术

- 一种高超声速滑翔飞行器滑模控制器设计····· 安通 陈海山 潘玉龙 边保平(111)
- 风机串并联在电子设备散热中的应用研究····· 刘巍 程林(117)
- 基于铁硅镍磁性材料的逆变电源输出滤波电感设计····· 陈元娣(121)

军事教育与管理

- 战略预警人才三位一体教学力量建设研究····· 武文 高燕 杨瑞娟 兰俊杰(124)
- 提高军队基层政治工作课程能力训练质量的思考····· 唐孜 任友谊 李萍 王玲(128)
- 计算机网络技术与设备课程的思政教学探索····· 张秀伟 马建朝 夏斌 吴彩华(131)
- 雷达装备实战化实践教学资源体系建设探析····· 祁炜 程东升 喻晨龙 向龙(135)
- 雷达装备原理与维修课程改革与实践····· 王国师 杨士英 张朝伟 韩伟(139)
- 士官学员课堂管理面临的困境和思考····· 洪进 谈少盈 石卉 范雄华(143)
- 预选士官导航对抗课程多课堂教学模式的构建····· 林家栋 路琪 石晶 饶勋鹏(147)
- 提高预任士官长培训质量效益的思考····· 李育林 巫勇 胡海鹏 曾泰(150)
- 基于目标链的“双三”式想定作业教学法····· 姜志敏 王英兴 朱雷(154)

《空军预警学院学报》声明····· (103)

《空军预警学院学报》投稿须知····· (120)

期刊基本参数: CN42-1847/E*1987*b*A4*80*zh*P*¥8.00*1000*19*2020-04

特约英文审校: 刘文俊

责任编辑: 刘重阳

JOURNAL OF AIR FORCE EARLY WARNING ACADEMY

Vol.34 No.2

Apr. 2020

CONTENTS

Early Warning Detection

- DOA estimation for cylindrical conformal array under mutual coupling
..... ZHANG Jiajia WANG Jiangang LI Jing(79)
- Ionospheric effects simulation of space-borne VHF-band SAR system
..... YAO Baidong SHI Jingjing SHENG Lei ZHAO Ning GE Jialong(84)
- Flight test method of airborne ground surveillance radar based on capability verification
..... WANG Lei TAN Hongyi FANG Tianyu(88)
- Design of L-band excitation subsystem for shooting range
..... HU Xiaowen(93)
- Experimental research on an instantaneous-wide-dynamic-range missile-borne radar seeker receiver
..... MA Jun FANG Lijun GUO Xuefeng ZHANG Yan LI Chaohui(97)
- Accurate calculation of Doppler frequency of ground-based monostatic radar
..... ZHAO Hongtao QI Yingchuan ZHANG Chengsheng(100)

Information, Intelligence & Communication

- MOGWO-based improved PHD particle filter algorithm
..... WU Mian YUAN Junquan ZHENG Daikun CHEN Alei(104)

Electronic Science and Technologies

- A sliding mode controller design for hypersonic glide vehicle
..... AN Tong CHEN Haishan PAN Yulong BIAN Baoping(111)
- Application of fans series and parallel in heat dissipation of electronic equipment
..... LIU Wei CHENG Lin(117)
- Design of inverter output filter inductor based on Fe-Si-Ni magnetic material
..... CHEN Yuandi(121)

Military Education & Management

- Research on three-in-one teaching force construction for strategic early warning talents
..... WU Wen GAO Yan YANG Ruijuan LAN Junjie(124)
- Reflection on improving quality of curriculum ability of military grassroots political work
..... TANG Zi REN Youyi LI Ping WANG Ling(128)
- Exploration on teaching of ideological and political education in computer network
technology and equipment course ZHANG Xiuwei MA Jianchao XIA Bin WU Caihua(131)
- Study on construction of radar equipment actual-combat practice teaching resource system
..... QI Wei CHENG Dongsheng YU Chenlong XIANG Long(135)
- Reform and practice of radar equipment principle and maintenance course
..... WANG Guoshi YANG Shiyong ZHANG Chaowei HAN Wei(139)
- Dilemma and thinking of classroom management of cadet NCOs
..... HONG Jin TAN Shaoying SHI Hui FAN Xionghua(143)
- Construction of multi-classroom teaching mode of navigation confrontation course
for preselected cadet NCOs LIN Jiadong LU Qi SHI Jing RAO Xunpeng(147)
- Reflection on improving the quality and efficiency of training pre-appointed master sergeants
..... LI Yulin WU Yong HU Haipeng ZENG Tai(150)
- Goal-chain-based “double three” teaching method of rencounter scenario
..... JIANG Zhimin WANG Yingxing ZHU Lei(154)