**2024年1期**

1. 朱丽婷,郭欣,吴文.边射波束和锥状波束可重构的微带贴片天线[J].微波学报,2024,40(1):1-6.

ZHU Liting,GUO Xin,WU Wen. A pattern reconfigurable microstrip patch antenna with broadside and conical beams[J] Journal of Microwaves,2024,40(1):1-6.

1. 赖泽恒.一种宽带多网组合卫星导航终端天线[J].微波学报,2024,40(1):7-12.

LAI Zeheng. Multi-network broadband antenna for satellite navigation terminal[J].Journal of Microwaves,2024,40(1):7-12.

1. 李冯,庄伟.一种基于5G应用的圆极化微带相控阵天线[J].微波学报,2024,40(1):13-17.

LI Feng, ZHUANG Wei. Broadband phased-array antenna design based on 5G communication[J]. Journal of Microwaves,2024,40(1):13-17.

1. 李文,尤阳,陆云龙,等.一种宽带双极化波束切换微带天线的设计[J].微波学报,2024,40(1):18-22.

LI Wen,YOU Yang,LU Yunlong,et al. Design of broadband dual-polarized beam switched microstrip antenna[J]. Journal of Microwaves,2024,40(1):18-22.

1. 黄隆鑫,袁家德.卫星导航终端小型化开口缝隙螺旋天线[J].微波学报,2024,40(1):23-27.

HUANG Longxin,YUANJiade. Miniaturized open slot helix antenna for satellite navigation terminal[J]. Journal of Micro- waves,2024,40(1):23-27.

1. 王 婷,杜永兴,李敏超,等.混合小型化波导热疗天线设计[J].微波学报,2024,40(1):28-33.

WANG Ting, DU Yongxing, LI Minchao, et al. Design of hybrid miniaturized waveguide thermal therapy antenna[J]. Journal of Microwaves,2024,40(1):28-33.

1. 邱俊杰,尤阳,陆云龙,等.一种高性能功率放大器-圆极化天线的一体化设计[J].微波学报,2024,40(1):34-38.

QIU Junjie, YOU Yang, LU Yunlong, et al. Integrated design of a high-performance power amplifier-circularly polarized antenna[J]. Journal of Microwaves,2024,40(1):34-38.

1. 翟 畅,方进勇,吴江牛,等.基于新型高功率微波的雷达探测技术研究[J].微波学报,2024,40(1):39-43.

ZHAI Chang, FANG Jinyong,WU Jiangniu,et al. Research on radar detection technology based on new high-power microwave[J]. Journal of Microwaves,2024,40(1):39-43.

1. 张清河,单琰,吴欣悦,等.基于K-means聚类的相控阵任意形状波束子阵综合方法[J].微波学报,2024,40(1):44-49.

ZHANG Qinghe,SHAN Yan,WUXinyue, et al. K-means-based sub-arrayed synthesis of phased array antennas for generating arbitrary-shaped beams[J].Journal of Microwaves,2024,40(1):44-49.

1. 苏建仓,胡祥刚,李廷伍,等.高功率微波大口径相控阵天线拍波辐射方法研究[J].微波学报,2024,40(1):50-53.

SU Jiancang,HU Xianggang, LI Tingwu, et al. Research on high power microwave beat-wave radiation method of large aperture phased array antenna[J].Journal of Microwaves,2024,40(1):50-53.

1. 刘金超,董崇峰,刘卫东.基于滑动窗奇异值分解的局部放电信号检测方法[J].微波学报,2024,40(1):54-59.

LIU Jinchao, DONG Chongfeng, LIU Weidong. PD signal detection based on sliding window singular value decomposition[J]. Journal of Microwaves,2024,40(1):54-59.

1. 于少帅,任新成,朱小敏,等.土壤表面与运动目标复合电磁散射的矩量法研究[J].微波学报,2024,40(1):60-66.

YU Shaoshuai,REN Xincheng,ZHU Xiaomin, et al. Study on composite electromagnetic scattering from a moving target above the soil surface by the method of moment[J].Journal of Microwaves,2024,40(1):60-66.

1. 马梦晓,李冬凤,李烨.C波段50MW多注速调管高频系统的设计[J].微波学报,2024,40(1):67-72.

MA Mengxiao, LI Dongfeng, LI Ye. Design of output system of C-band 50 MW high power multi-beam klystron[J].Journal of Microwaves,2024,40(1):67-72.

1. 连迎春,于大群.基于反相法的中场校准技术研究[J].微波学报,2024,40(1):73-78.

LIAN Yingchun,YU Daqun. Research on middle field calibration technology based on phase inverted method[J].Journal of Microwaves,2024,40(1):73-78.

1. 谢书珊,阮文州,蔡晓波.一种基于HTCC的高隔离度开关电路设计[J].微波学报,2024,40(1):79-82.

XIE Shushan,RUAN Wenzhou,CAI Xiaobo. A high isolation switch circuit design based on HTCC[J].Journal of Microwaves,2024,40(1):79-82.

1. 周鹏程,程勇,裔尧.基于HMSIW的小型化三模带通滤波器设计[J].微波学报,2024,40(1):83-86.

ZHOU Pengcheng,CHENG Yong,YI Yao. Design of miniaturized three-mode bandpass filter based on HMSIW[J]. Journal of Microwaves,2024,40(1):83-86.

1. 骆银松,李智鹏,吕俊材,等.一种频率与带宽可调的可重构射频滤波器芯片[J].微波学报,2024,40(1):87-92.

LUO Yinsong, LI Zhipeng, LU Juncai, et al. A reconfigurable radio frequency filter MMIC with frequency and bandwidth tuning ability[J]. Journal of Microwaves,2024,40(1):87-92.

1. 姚凤薇,焦凌彬.应用于WiFi6的新型高线性度功率放大器设计[J].微波学报,2024,40(1):93-98.

YAO Fengwei, JIAO Lingbin. A novel design of high linearity power amplifier used in WiFi6[J]. Journal of Microwaves,2024,40(1):93-98.

**2024年2期**

1. 夏凌昊, 肖俊祥, 董 屾,等. 里德堡原子雷达接收灵敏度极限 [J] . 微波学报 , 2024, 40(2) : 1-7.

XIA Linghao, XIAO Junxiang, DONG Shen, et al. Receiving sensitivity limit of Rydberg atom radar[ J ] . Journal of Microwaves, 2024, 40(2): 1-7.

1. 廖国君,姜兴,孙逢圆,等.基于特征模理论分析的超宽带小型化准八木天线设计[J].微波学报,2024,40(2):8-13.

LIAO Guojun,JIANG Xing,SUN Fengyuan,et al.Design of ultra-wideband miniaturized Quasi-Yagi antenna based on characteristic mode theory[J].Journal of Microwaves,2024,40(2):8-13.

1. 赵黎,程友峰,廖成,等.基于近场旋转技术的共形阵列天线方向图高效计算方法[J].微波学报,2024,40(2):14-21.

ZHAO Li,CHENG You feng,LIAO Cheng,et al. An efficient method for calculation of patterns of conformal array antennas based on near-field rotation technique[J].Journal of Microwaves,2024,40(2):14-21.

1. 武郭珊,赵晔,杨天赐,等.舰船目标的合成孔径雷达成像研究[J].微波学报,2024,40(2):22-29.

WU Guoshan,ZHAO Ye,YANG Tianci, et al. A study on synthetic aperture radar imaging of ship target[J].Journal of Microwaves,2024,40(2):22-29.

1. 崔博,董帅,王振占,等.复合负反馈技术在宽带有源微波冷噪声源中的应用[J].微波学报,2024,40(2):30-34.

CUI Bo, DONG Shuai,WANG Zhenzhan, et al. Application of complex negative feedback technology in broadband active microwave cold noise source[J].Journal of Microwaves,2024,40(2):30-34.

1. 王超楠,刘婷,廉珂,等.一种高温噪声源设计[J].微波学报,2024,40(2):35-39.

WANG Chaonan, LIU Ting, LIAN Ke, et al. Design of a high temperature noise source[J].Journal of Microwaves,2024,40(2):35-39.

1. 白 雪,倪利华,徐雷钧.基于微波透射法的谷物粉相对介电常数检测装置设计[J].微波学报,2024,40(2):40-45.

BAI Xue, NI Lihua,XU Leijun.Design of grain powder dielectric constant detection device based on microwave transmission method[J].Journal of Microwaves,2024,40(2):40-45.

1. 姚欣,李斌,徐辉,等.一种基于Clos网络的新型4x4全交换开关矩阵[J].微波学报,2024,40(2):46-50.

YAO Xin, LI Bin, XU Hui, et al. A novel 4x4 full switch matrix based on Clos network[J].Journal of Microwaves,2024,40(2):46-50.

1. 于振涛,姜浩,许素芹,等.粗糙海面星载微波视在亮温仿真模型[J].微波学报,2024,40(2):51-57.

YU Zhentao,JIANG Hao,XU Suqin, et al. Simulation model of satellite-borne microwave apparent brightness temperature over rough sea surface[J].Journal of Microwaves,2024,40(2):51-57.

1. 张 岩,田铮,刘尚合,等.内置介质板开孔腔体电磁屏蔽效能拓扑模型[J].微波学报,2024,40(2):58-65.

ZHANG Yan,TIAN Zheng, LIU Shanghe, et al. Topological model of electromagnetic shielding effectiveness of cavity with built- in dielectric plate[J].Journal of Microwaves,2024,40(2):58-65.

1. 马悦心,卢波,许凌飞,等.基于霍尔效应的微波功率线性测量技术研究[J].微波学报,2024,40(2):66-69.

MA Yuexin, LU Bo, XU Lingfei, et al.A study on linear measurement technology of microwave power based on Hall effect[J]. Journal of Microwaves,2024,40(2):66-69.

1. 陆 平,刘志伟.L波段集成自检源小型化多通道前端[J].微波学报,2024,40(2):70-73.

LU Ping, LIU Zhiwei. L-band miniaturized multi-channel front-end of integrated self-test source[J].Journal of Microwaves,2024,40(2):70-73.

1. 刘卫强,万涛,吕苗,等.基于硅基堆叠SIP技术的超宽带T/R组件[J].微波学报,2024,40(2):74-78.

LIU Weiqiang,WAN Tao, LV Miao,et al. Ultra-wideband T/R module based on silicon stack SIPtechnology[J].Journal of Microwaves,2024,40(2):74-78.

1. 李晓鲲,王琦,李树良.X波段高功率高效率延时组件设计[J].微波学报,2024,40(2):79-83.

LI Xiaokun, WANG Qi, LI Shuliang. Design of an X-band high power and high efficiency time delay module[J].Journal of Microwaves,2024,40(2):79-83.

1. 包建晔,姜勋,施永荣.基于微带双脊间隙波导技术的Ka波段六端口网络电路[J].微波学报,2024,40(2):84-89.

BAO Jianye, JIANG Xun, SHI Yongrong.Ka-band six-port network circuit based on microstrip double ridge gap waveguide technology[J].Journal of Microwaves,2024,40(2):84-89.

1. 赵芸,顾浩,闫玉涛,等.W波段全带宽TE1-TE2模式转换器的研制[J].微波学报,2024,40(2):90-95.

ZHAO Yun, GU Hao, YAN Yutao, et al. Development of W-band full bandwidth TE1-TE2 mode converter[J].Journal of Microwaves,2024,40(2):90-95.

1. 刘江凡,姜一凡,刘畅,等.基于多端口参数提取和主动空间映射法的腔体滤波器设计[J].微波学报,2024,40(2):96-100.

LIU Jiangfan,JIANG Yifan, LIU Chang,et al. Design of cavity filter based on multi-port parameter extraction and aggressive space mapping[J]. Journal of Microwaves,2024,40(2):96-100.

**2024年3期**

1. 乔纯鑫, 汪敏, 杨孝荣, 等. 一种宽带波束圆极化微带天线的设计[J]. 微波学报, 2024, 40(3): 1-6.

QIAO Chunxin, WANG Min, YANG Xiaorong, et al. Design of a circularly-polarized microstrip antenna with broad band and wide beamwidth[J]. Journal of Microwaves, 2024, 40(3): 1-6.

1. 王晓燕, 张霄, 罗宇. 一种使用高次模式阻抗匹配的三频频率可重构天线设计[J]. 微波学报, 2024, 40(3): 7-11.

WANG Xiaoyan, ZHANG Xiao, LUO Yu. Design of a triple-frequency reconfigurable antenna using higher-order mode impedance matching[J]. Journal of Microwaves, 2024, 40(3): 7-11.

1. 崔露露, 李静, 伍悍东, 等. 基于基片集成波导的Ka 波段毫米波缝隙天线设计[J]. 微波学报, 2024, 40(3): 12-16.

CUI Lulu, LI Jing, WU Handong, et al. Design of Ka-band millimeter-wave slot antenna based on substrate-integrated waveguide[J]. Journal of Microwaves, 2024, 40(3): 12-16.

1. 丁小锐, 姜兴, 孙逢圆, 等. 小型化超宽带蝶形印刷对数周期天线[J]. 微波学报, 2024, 40(3): 17-21.

DING Xiaorui, JIANG Xing, SUN Fengyuan, et al. Miniaturized UWB butterfly printed log-periodic antenna[J]. Journal of Microwaves,2024, 40(3): 17-21.

1. 杨文冬, 杨建一, 孙浩强, 等. 基于改进GA-BP 算法的RFID 天线参数优化方法[J]. 微波学报, 2024, 40(3): 22-28.

YANG Wendong, YANG Jianyi, SUN Haoqiang, et al. RFID antenna paramter optimization method based on improved GA-BP algorithm[J]. Journal of Microwaves, 2024, 40(3): 22-28.

1. 祝尚坤, 孔祥举, 徐计元, 等. 绕月SAR 天线热控设计[J]. 微波学报, 2024, 40(3): 29-33.

ZHU Shangkun, KONG Xiangju, XU Jiyuan, et al. Thermal control design of lunar SAR antenna[J]. Journal of Microwaves,2024, 40(3): 29-33.

1. 牛磊, 郑磊, 潘文辉, 等. 多层复合蜂窝芯结构优化设计及其宽带吸波性能研究[J]. 微波学报, 2024, 40(3):34-39.

NIU Lei, ZHENG Lei, PAN Wenhui, et al. Optimization design of multi-layer composite honeycomb core structure and research on its broadband absorbing performance[J]. Journal of Microwaves, 2024, 40(3): 34-39.

1. 高欣悦, 肖玮. 基于可切换频率选择表面的微波加热数值研究[J]. 微波学报, 2024, 40(3): 40-45.

GAO Xinyue, XIAO Wei. Numerical investigation based on switchable frequency selective surface for microwave heating[J].Journal of Microwaves, 2024, 40(3): 40-45.

1. 黄洁瑜, 谢军伟, 张旭春. 基于准对称性的超宽带八端口和差器设计[J]. 微波学报, 2024, 40(3): 46-52.

HUANG Jieyu, XIE Junwei, ZHANG Xuchun. Design of UWB eight-port comparator based on quasi-symmetry[J]. Journal of Microwaves, 2024, 40(3): 46-52.

1. 刘帅. Ka 波段CMOS 有源矢量合成移相器[J]. 微波学报, 2024, 40(3): 53-56.

LIU Shuai. A Ka-band CMOS active vector-synthesis phase shifter[J]. Journal of Microwaves, 2024, 40(3): 53-56.

1. 林秋华, 马志德, 罗志勇, 等. 5G 毫米波三频单阶ISGW 腔体滤波器设计[J]. 微波学报, 2024, 40(3): 57-63.

LIN Qiuhua, MA Zhide, LUO Zhiyong, et al. Design of 5G millimeter-wave tri-band single-order ISGW cavity filter[J]. Journal of Microwaves, 2024, 40(3): 57-63.

1. 夏亚峰, 李世康, 王佳, 等. 一种双模波导滤波器及应用[J]. 微波学报, 2024, 40(3): 64-67.

XIA Yafeng, LI Shikang, WANG Jia, et al. A dual-mode waveguide filter and its application[J]. Journal of Microwaves, 2024,40(3): 64-67.

1. 蒋姝, 杨会军, 葛仕奇. 一种毫米波全频段正交模耦合器研究[J]. 微波学报, 2024, 40(3): 68-72.

JIANG Shu, YANG Huijun, GE Shiqi. Research on a millimeter-wave full-band ortho-mode transducer[J]. Journal of Microwaves,2024, 40(3): 68-72.

1. 许锐, 韦学科, 李树良. 一种C 频段高集成多功能综合母板设计[J]. 微波学报, 2024, 40(3): 73-78.

XU Rui, WEI Xueke, LI Shuliang. Design of a C-band highly integrated multi-functional motherboard[J]. Journal of Microwaves,2024, 40(3): 73-78.

1. 凌清岚, 姚常飞, 张炎. 330 GHz 集成化T/R 组件的设计与实现[J]. 微波学报, 2024, 40(3): 79-84.

LING Qinglan, YAO Changfei, ZHANG Yan. Design and implementation of 330 GHz integrated T/ R Module[J]. Journal of Microwaves,2024, 40(3): 79-84.

1. 舒畅, 彭龙新, 李建平, 等. S 波段GaAs 超低噪声限幅低噪声放大器芯片的研制[J]. 微波学报, 2024, 40(3): 85-89.

SHU Chang, PENG Longxin, LI Jianping, et al. Development of an S-band GaAs ultra low noise limiter low-noise amplifier chip[J]. Journal of Microwaves, 2024, 40(3): 85-89.

1. 徐小杰, 侯德彬, 陈喆, 等. Ka 波段连续波9 W GaN 功率放大器[J]. 微波学报, 2024, 40(3): 90-92.

XU Xiaojie, HOU Debin, CHEN Zhe, et al. Ka band CW 9 W GaN power amplifier[J]. Journal of Microwaves, 2024, 40(3):90-92.

1. 钱自富, 冯立, 刘松, 等. 共模抑制的渐变结构高速差分电路设计[J]. 微波学报, 2024, 40(3): 93-98.

QIAN Zifu, FENG Li, LIU Song, et al. Design of high speed differential circuit using gradient structure with common-mode suppression[J]. Journal of Microwaves, 2024, 40(3): 93-98.

**2024年4期**

1. 蔡士宽,姜兴,孙逢圆.超材料加载的高增益Vivaldi天线[J].微波学报,2024,40(4):1-6.

CAI Shikuan,JIANG Xing,SUN Fengyuan.High gain Vivaldi antenna loaded with metamaterials[J].Journal of Microwaves,2024,40(4):1-6.

1. 杨孝荣,汪敏,乔纯鑫,等.毫米波高增益折叠透射阵列天线设计[J].微波学报,2024,40(4):7-10.

YANG Xiaorong,WANG Min,QIAO Chunxin, et al. Design of a millimeter-wave high-gain folded transmitarray antenna[J]. Journal of Microwaves,2024,40(4):7-10.

1. 周 涛,纪真楠,俞意,等.一种基于SIW技术的滤波天线设计方法[J].微波学报,2024,40(4):11-14.

ZHOU Tao,JI Zhennan,YU Yi, et al. A design method for filtering antenna based on SIW technology[J].Journal of Microwaves,2024,40(4):11-14.

1. 刘杨,张依轩,林中朝,等.基于最优解区间预筛选的代理模型辅助天线设计优化算法[J].微波学报,2024,40(4):15-19.

LIU Yang,ZHANG Yixuan,LIN Zhongchao, et al. A proxy model assisted antenna optimization algorithm based on optimal solution interval pre-screening[J].Journal of Microwaves,2024,40(4):15-19.

1. 朱云杰,李涵轩,张万平,等.基于阻抗变换槽线的三维超宽带微波吸收体研究[J].微波学报,2024,40(4):20-23.

ZHU Yunjie, LI Hanxuan, ZHANG Wanping, et al. A study on three-dimensional ultra-wideband microwave absorber based on impedance transformation slot line[J].Journal of Microwaves,2024,40(4):20-23.

1. 杨普,刘毅,秦凡.基于增强型微带耦合器组的全双工自干扰消除方法[J].微波学报,2024,40(4):24-29.

YANG Pu, LIU Yi,QIN Fan. Full-duplex self-interference cancellation method based on enhanced microstrip coupler group[J]. Journal of Microwaves,2024,40(4):24-29.

1. 陈东伟,李明洁,方庆园,等.一种改进变步长的自适应电磁干扰对消算法[J].微波学报,2024,40(4):30-35.

CHEN Dongwei, LI Mingjie, FANG Qingyuan, et al. An improved variable step size adaptive electromagnetic interference cancellation algorithm[J].Journal of Microwaves,2024,40(4):30-35.

1. 倪涛,夏强,李迎.空间分集入射电磁波的高效轨道角动量复用传输[J].微波学报,2024,40(4):36-40.

NI Tao, XIA Qiang, LI Ying. High-efficiency orbital angular momentum multiplexing transmission for spatial diversity incident electromagnetic wave[J]. Journal of Microwaves,2024,40(4):36-40.

1. 张利军,杜峰,李建儒,等.黄渤海地区大气折射环境参数统计分析[J].徵波学报,2024,40(4):41-45.

ZHANG Lijun, DU Feng, LI Jianru, et al. Statistical analysis of atmospheric refraction environmental parameters at Yellow Sea and Bohai Sea region[J].Journal of Microwaves,2024,40(4):41-45.

1. 危梦,张清河.基于图像超分辨率生成对抗网络的MIMO信道估计方法[J].微波学报,2024,40(4):46-51.

WEI Meng,ZHANG Qinghe. Channel estimation method for massive MIMO based on image super-resolution generative adversarial network[J].Journal of Microwaves,2024,40(4):46-51.

1. 董家旺,周星,聂亚宁.一种小型脉冲场探头校准装置研究[J].微波学报,2024,40(4):52-56.

DONG Jiawang,ZHOU Xing,NIE Yaning. A study on small pulse field probe calibration device[J]. Journal of Microwaves,2024,40(4):52-56.

1. 洪涛,李梦迪,王翠,等.基于改进粒子群算法的标签天线结构参数多目标优化设计[J].微波学报,2024,40(4):57-62.

HONG Tao, LI Mengdi,WANG Cui, et al. Multi-objective optimization design of tag antenna structure parameters based on improved PSO algorithm[J]. Journal of Microwaves,2024,40(4):57-62.

1. 陶辉华,张颖,许正彬.基于悬置微带的Ku波段发阻滤波器设计[J].微波学报,2024,40(4):63-68.

TAO Huihua,ZHANG Ying,XU Zhengbin. Design of Ku-band transmit reject filter based on suspended substrate stripline[J]. Journal of Microwaves,2024,40(4):63-68.

1. 曾竞涛,沈斌,徐金旭,等.基于LTCC的3D异质集成低通滤波器[J].微波学报,2024,40(4):69-73.

ZENG Jingtao,SHEN Bin, XU Jinxu, et al. 3D heterogeneous integrated low-pass filter based on LTCC[J]. Journal of Microwaves,2024,40(4):69-73.

1. 邓宏伟,任亮,汪新杰,等.矢量网络分析仪硬件性能对测量精度的影响分析[J].微波学报,2024,40(4):74-80.

DENG Hongwei, REN Liang, WANG Xinjie, et al. Analysis of the influence on measurement accuracy caused by VNA hardware performance[J]. Journal of Microwaves,2024,40(4):74-80.

1. 邱琳琳,姚华飞,王安康.基于柱面波展开的准远场快速测量方法研究[J].微波学报,2024,40(4):81-85.

QIU Linlin, YAO Huafei,WANG Ankang. A study on fast quasi-far-field measurement method based on cylindrical wave expansion[J]. Journal of Microwaves,2024,40(4):81-85.

1. 廖一龙,张浩.基于扰动Delta-sigma调制器的小数分频器[J].微波学报,2024,40(4):86-90.

LIAO Yilong,ZHANG Hao. Fractional frequency divider based on dithered Delta-sigma modulator[J].Journal of Microwaves,2024,40(4):86-90.

1. 袁超.宽带同轴径向合成器的研制[J].微波学报,2024,40(4):91-94.

YUAN Chao. Development of broadband coaxial radial combiner[J]. Journal of Microwaves,2024,40(4):91-94.

1. 王卫华,江元俊,郑新.数字T/R组件发射频谱控制技术研究[J].微波学报,2024,40(4):95-100.

WANG Weihua,JIANG Yuanjun,ZHENG Xin. A study on transmitting frequency spectrum control technology of digital T/R modules[J]. Journal of Microwaves,2024,40(4):95-100.

**2024年5期**

1. 卜斌龙,刘培涛,黄立文,等,绿色低碳基站天线关键技术及应用[J].微波学报,2024,40(5):1-8.

BU Binlong, LIU Peitao,HUANG Liwen, et al. Key technology and application of green low-carbon base station antenna[ J]. Journal of Microwaves,2024,40(5):1-8.

1. 任宇辉,白海灵,赵朗晗,等.基片集成波导馈电的毫米波雷达阵列天线[J].微波学报,2024,40(5):9-14.

REN Yuhui,BAI Hailing,ZHAO Langhan, et al. An array antenna fed by substrate integrated waveguide for millimeter wave radar[J]. Journal of Microwaves,2024,40(5):9-14.

1. 何涛,姜兴,彭麟.基于间隙波导的低剖面毫米波脉冲天线设计[J].微波学报,2024,40(5):15-20.

HE Tao, JIANG Xing,PENG Lin. Design of low profile millimeter wave monopulse antenna based on gap waveguide[J].Journal of Microwaves,2024,40(5):15-20.

1. 于大群,郝张成,孙磊,等.一种基于去斜技术的低成本宽带数字阵列天线设计与实现[J].微波学报,2024,40(5):21-28.

YU Daqun,HAO Zhangcheng,SUN Lei, et al. A design and implementation of low cost wideband digital array antenna based on stretch processing technique[J].Journal of Microwaves,2024,40(5):21-28.

1. 习 磊,王维婧,罗晓宇,等.一种低剖面超宽带强耦合相控阵天线[J].微波学报,2024,40(5):29-33.

XI Lei,WANG Weijing,LUO Xiaoyu,et al. A low-profile ultra-wideband tightly coupled phased array antenna[J]. Journal of Microwaves,2024,40(5):29-33.

1. 吴启睿,王文博,刘洪庆,等.一种双极化L型探针馈电宽带相控天线阵列[J].微波学报,2024,40(5):34-38.

WU Qirui,WANG Wenbo, LIU Hongqing, et al. A dual-polarized L-shaped probe-fed broadband phased array antenna[J]. Journal of Microwaves,2024,40(5):34-38.

1. 陈琦,肖永航,郑承武,等.气凝胶加载耐高温超宽带复合介质谐振天线[J].微波学报,2024,40(5):39-43.

CHEN Qi,XIAO Yonghang,ZHENG Chengwu, et al. Ultra-wideband composite dielectric resonant antenna with aerogel-loaded high temperature resistance[J]. Journal of Microwaves,2024,40(5):39-43.

1. 王健,华昌洲,俞意.一种和差波束可重构的微带贴片天线[J].微波学报,2024,40(5):44-49.

WANG Jian,HUA Changzhou,YU Yi.nA sum-difference beam reconfigurable microstrip patch antenna[J].Journal of Microwaves,2024,40(5):44-49.

1. 赵书宽,吴建军,李树良.用于宽角波束覆盖的短路贴片天线设计[J].微波学报,2024,40(5):50-54.

ZHAO Shukuan, WU Jianjun, LI Shuliang. Design of shorted patch antennas for wide-angle beam coverage[J]. Journal of Microwaves,2024,40(5):50-54.

1. 丁亮,齐会颖,赵菲,等,一种轴线倾斜的圆锥对数螺旋天线[J].微波学报,2024,40(5):55-60.

DING Liang,QI Huiying,ZHAO Fei, et al. A conical logarithmic spiral antenna with an inclined axis[J]. Journal of Microwaves,2024,40(5):55-60.

1. 傅立炜,袁家德,牟泓舟.交叉耦合馈电的小型化八臂缝隙螺旋天线[J].微波学报,2024,40(5):61-65.

FU Liwei, YUAN Jiade, MOU Hongzhou. A compact eight-arm spiral slot antenna with cross-coupled feeding[J]. Journal of Microwaves,2024,40(5):61-65.

1. 赵芸,耿巍,顾浩.具有解耦结构的宽带定向双圆极化天线设计[J].微波学报,2024,40(5):66-70.

ZHAO Yun, GENG Wei, GU Hao. A wideband directional dual-circularly polarized antenna with decoupled structure[J]. Journal of Microwaves,2024,40(5):66-70.

1. 陈松旻,庞晨,周坚,等.一种小型化超宽带双极化天线[J].微波学报,2024,40(5):71-77.

CHEN Songmin, PANG Chen, ZHOU Jian, et al. A miniaturized UWB dual-polarized antenna[J]. Journal of Microwaves,2024,40(5):71-77.

1. 张超,马晨,赵梓彤,等,一种全透明宽带高增益离子液体透镜天线[J].微波学报,2024,40(5):78-84.

ZHANG Chao,MA Chen,ZHAO Zitong, et al. A fully transparent wideband high gain ionic liquid lens antenna[J]. Journal of Microwaves,2024,40(5):78-84.

1. 李力,曹群生,赵海明,等.一种L-Ku波段的超宽带端射天线设计与研究[J].微波学报,2024,40(5):85-90.

LI Li, CAO Qunsheng, ZHAO Haiming, et al. Design and research of an L-Ku ultra-wideband end-fire antenna[J]. Journal of Microwaves,2024,40(5):85-90.

1. 李晓鹏,曹雨露,蔡惠萍,等.宽波束双频同轴共口径高精度GNSS天线设计[J].微波学报,2024,40(5):91-96.

LI Xiaopeng, CAO Yulu, CAI Huiping, et al. Design of dual-band coaxial aperture-shared high-precision GNSS antenna with wide beamwidth[J].Journal of Microwaves,2024,40(5):91-96.

1. 潘绍康,贺连星.一种Ka波段的星载等通量方向图天线[J].微波学报,2024,40(5):97-100.

PAN Shaokang, HE Lianxing. A satellite-borne isoflux pattern antenna in Ka-band[J]. Journal of Microwaves,2024,40(5):97-100.

2024年6期

1. 杨金生, 纪焕丽, 孙然, 等. W 波段 4 路平面集成行波管[J]. 微波学报, 2024, 40(6): 1-5.

YANG Jinsheng, JI Huanli, SUN Ran, et al. W band 4-channel planar integrated traveling wave tube[ J]. Journal of Microwaves, 2024, 40(6): 1-5.

1. 余芹, 潘晓枫, 于伟华, 等. 基于 0. 7 μm InP HBT 工艺的宽带差分行波放大器[J]. 微波学报, 2024, 40(6): 6-9.

YU Qin, PAN Xiaofeng, YU Weihua, et al. A broadband differential traveling wave amplifier based on the 0.7 μm InP HBT [J]. Journal of Microwaves, 2024, 40(6): 6-9.

1. 杜英华, 蔡军, 张小青, 等. W 波段行波管低电压小型化技术研究[J]. 微波学报, 2024, 40(6): 10-13.

DU Yinghua, CAI Jun, ZHANG Xiaoqing, et al. Study on the low voltage and miniaturization technologies for W-band traveling wave tube[J]. Journal of Microwaves, 2024, 40(6): 10-13.

1. 刘英洲, 张长青, 潘攀, 等. 一维带状注行波管注波互作用快速计算程序[J]. 微波学报, 2024, 40(6): 14-21.

LIU Yingzhou, ZHANG Changqing, PAN Pan, et al. Large signal 1-D rapid beam-wave interaction simulation of sheet electron beam traveling wave tubes[J]. Journal of Microwaves, 2024, 40(6): 14-21.

1. 张玮倬, 范亚松, 李克, 等. 浸渍状态对钪钨混合基阴极性能的影响[J]. 微波学报, 2024, 40(6): 22-25.

ZHANG Weizhuo, FAN Yasong, LI Ke, et al. Effect of impregnation on the performance of Sc2O3 -doped tungsten matrix cathodes[J]. Journal of Microwaves, 2024, 40(6): 22-25.

1. 姜山易, 毛晓军, 吕朋杰, 等. S 波段紧凑型相对论磁控管的模拟计算和分析[J]. 微波学报, 2024, 40(6): 26-31.

JIANG Shanyi, MAO Xiaojun, LÜ Pengjie, et al. Simulation and analysis of S-band compact relativistic magnetrons[J]. Journal of Microwaves, 2024, 40(6): 26-31.

1. 申仕琦, 蔡军, 张小青, 等. 复合周期永磁聚焦系统轴向磁场计算方法[J]. 微波学报, 2024, 40(6): 32-36.

SHEN Shiqi, CAI Jun, ZHANG Xiaoqing, et al. Calculation of axial magnetic field for combined-periodic permanent magnet focusing system[J]. Journal of Microwaves, 2024, 40(6): 32-36.

1. 张乔, 毛建军, 杨磊, 等. 复杂环境相控阵雷达近场辐射分析与试验验证[J]. 微波学报, 2024, 40(6): 37-41.

ZHANG Qiao, MAO Jianjun, YANG Lei, et al. Near-field radiation analysis and experimental verification of phased array radar in complex environment[J]. Journal of Microwaves, 2024, 40(6): 37-41.

1. 虎宁, 徐延林, 刘培国. 能量选择表面工作原理分析[J]. 微波学报, 2024, 40(6): 42-47.

HU Ning, XU Yanlin, LIU Peiguo. Analysis of working mechanism of energy selective surface[ J]. Journal of Microwaves, 2024, 40(6): 42-47.

1. 毕志超, 张依轩, 王楠, 等. 基于 ISAR 成像和散射中心提取的目标 RCS 近场测量方法[J]. 微波学报, 2024, 40(6): 48-53.

BI Zhichao, ZHANG Yixuan, WANG Nan, et al. Near-field measurement of target RCS based on ISAR imaging and scattering center extraction[J]. Journal of Microwaves, 2024, 40(6): 48-53.

1. 于新华, 李志豪, 赵洲, 等. 基于并行神经网络的滤波器快速优化方法[J]. 微波学报, 2024, 40(6): 54-59.

YU Xinhua, LI Zhihao, ZHAO Zhou, et al. Fast filter optimization method based on neural network[J]. Journal of Microwaves, 2024, 40(6): 54-59.

1. 郭庆毅, 吕润聪, 聂士峰, 等. 一种集成滤波器和天线的低剖面双功能射频器[J]. 微波学报, 2024, 40(6): 60-65.

GUO Qingyi, LÜ Runcong, NIE Shifeng, et al. A low-profile dual-function RF device integrating filter and antenna[J]. Journal of Microwaves, 2024, 40(6): 60-65.

1. 尤柱, 秦华, 孙建东, 等. 一种波导耦合的 AlGaN/ GaN HEMT 太赫兹探测器[J]. 微波学报, 2024, 40(6): 66-72.

YOU Zhu, QIN Hua, SUN Jiandong, et al. A waveguide-coupled AlGaN/ GaN HEMT terahertz detector[ J]. Journal of Microwaves, 2024, 40(6): 66-72.

1. 李慧阳, 黄婵琪, 徐金旭, 等. 基于双同轴谐振器的紧凑型双通带滤波器[J]. 微波学报, 2024, 40(6): 73-77.

LI Huiyang, HUANG Chanqi, XU Jinxu, et al. Compact dual-band bandpass filter based on dual-coaxial resonators[J]. Journal of Microwaves, 2024, 40(6): 73-77.

1. 王亮, 施金, 徐凯. 基于层叠介质贴片的紧凑型滤波天线阵列[J]. 微波学报, 2024, 40(6): 78-83.

WANG Liang, SHI Jin, XU Kai. Compact filtering antenna array based on stacked dielectric patches[ J]. Journal of Microwaves, 2024, 40(6): 78-83.

1. 刘星辰, 胡明春, 杨磊, 等. 毫米波双极化宽带宽角扫描封装天线设计[J]. 微波学报, 2024, 40(6): 84-89.

LIU Xingchen, HU Mingchun, YANG Lei, et al. Design of millimeter wave dual-polarized wideband wide-angle scanning antenna-in-packaged[J]. Journal of Microwaves, 2024, 40(6): 84-89.

1. 苏秦, 张宇, 叶勇, 等. 使用阵列馈源的大型反射面天线快速分析[J]. 微波学报, 2024, 40(6): 90-93.

SU Qin, ZHANG Yu, YE Yong, et al. Fast analysis of large reflector antenna using array feed[J]. Journal of Microwaves, 2024, 40(6): 90-93.