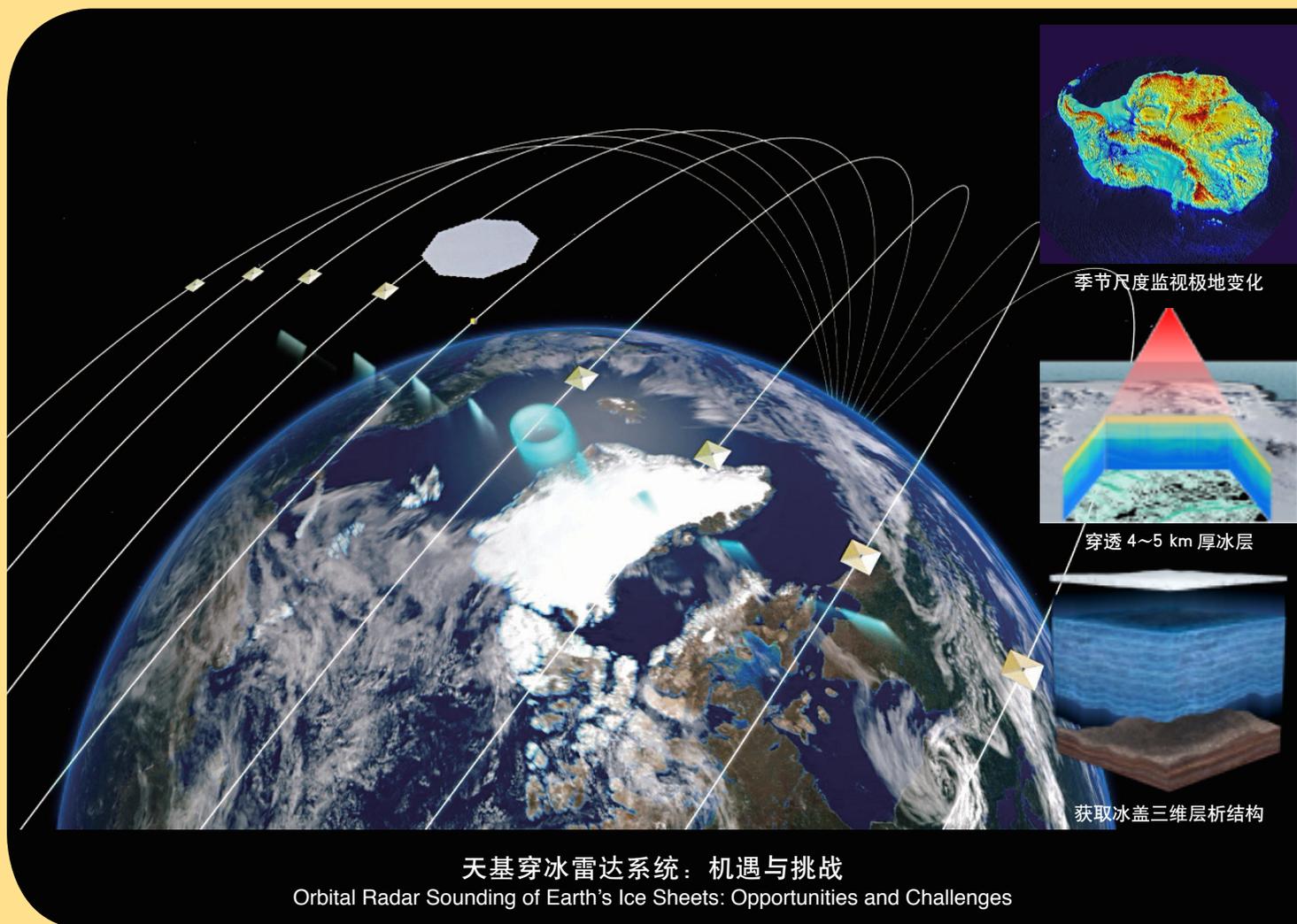


雷达学报

JOURNAL OF RADARS

3
2022
Vol.11 No.3



主办：中国科学院空天信息创新研究院
中国雷达行业协会

 科学出版社

雷 达 学 报

LEIDA XUEBAO

第 11 卷 第 3 期

2022 年 6 月

目 次

合成孔径雷达

- 视频合成孔径雷达双域联合运动目标检测方法..... 丁金闪, 仲 超, 温利武, 徐 众 (313)
- River-Net: 面向河道提取的Refined-Lee Kernel深度神经网络模型.....
..... 李 宁, 郭志顺, 毋 琳, 赵建辉 (324)
- FCOSR: 一种无锚框的SAR图像任意朝向船舶目标检测网络.....
..... 徐昌贵, 张 波, 高建威, 吴 樊, 张 红, 王 超 (335)
- 宽幅SAR海上大型运动舰船目标数据集构建及识别性能分析..... 雷 禹, 冷祥光, 孙忠镇, 计科峰 (347)
- 基于几何约束移动最小二乘的TomoSAR山区点云高精度三维重建方法.....
..... 李晓婉, 梁兴东, 张福博, 刘云龙, 李焱磊, 郭其昌, 万阳良, 卜祥奎 (363)
- GEO-LEO双基SAR序贯多帧-多通道联合重建无模糊成像方法.....
..... 安洪阳, 孙稚超, 王朝栋, 武俊杰, 杨建宇 (376)

雷达信号处理

- 基于卷积神经网络的天基预警雷达杂波抑制方法..... 段克清, 李 想, 行 坤, 王永良 (386)
- 机载双基地极化敏感阵列多干扰抑制..... 夏德平, 张 良, 吴 涛, 孟祥东 (399)
- 一种双极化气象雷达自适应谱极化滤波方法..... 安孟昀, 殷加鹏, 黄建开, 庞 晨, 李永祯, 王雪松 (408)
- 雷达辐射源信号分选研究进展..... 隋金坪, 刘 振, 刘 丽, 黎 湘 (418)
- 基于多字典联合与分层块稀疏贝叶斯框架的多辐射源直接定位方法.....
..... 叶泓臻, 郭海召, 关浩亮, 张顺生, 王文钦 (434)

雷达目标跟踪

- 低空监视雷达“走-停-走”目标跟踪技术..... 徐开明, 王佰录, 李溯琪, 邓云凯, 王经鹤 (443)
- 视场非完全重叠的分布式雷达多目标跟踪方法..... 达 凯, 杨 焯, 朱永锋, 付 强 (459)
- 基于Transformer网络的机载雷达多目标跟踪方法..... 李文娜, 张顺生, 王文钦 (469)

雷达应用技术

- 天基穿冰雷达系统: 机遇与挑战..... 肖 鹏, 于志同, 陈卓奇, 崔祥斌, 赵 博, 稂时楠, 李 萌,
胡洛佳, 黄 彦, 刘 敏, 王 成, 陈 亮, 刘 露, 睦晓虹, 袁春柱 (479)
- 基于FMCW雷达的非接触式医疗健康监测技术综述..... 方 震, 简 璞, 张 浩, 姚奕成, 耿芳琳,
刘畅宇, 闫百驹, 王 鹏, 杜利东, 陈贤祥 (499)

学术信息

- “现代优化技术及其在雷达信号处理中的应用”专题征文通知..... (323)
- 《雷达学报》2021年度优秀论文发布..... (407)
- 《雷达学报》“2020-2021年度优秀审稿专家”、“2018年度高被引论文”发布..... (封二)

JOURNAL OF RADARS

Vol.11 No.3 Jun. 2022

CONTENTS

Synthetic Aperture Radar

- Joint Detection of Moving Target in Video Synthetic Aperture Radar. *DING Jinshan, ZHONG Chao, WEN Liwu, XU Zhong* (313)
- River-Net: A Novel Neural Network Model for Extracting River Channel Based on Refined-Lee Kernel. *LI Ning, GUO Zhishun, WU Lin, ZHAO Jianhui* (324)
- FCOSR: An Anchor-free Method for Arbitrary-oriented Ship Detection in SAR Images. *XU Changgui, ZHANG Bo, GAO Jianwei, WU Fan, ZHANG Hong, WANG Chao* (335)
- Construction and Recognition Performance Analysis of Wide-swath SAR Maritime Large Moving Ships Dataset. *LEI Yu, LENG Xiangguang, SUN Zhongzhen, JI Kefeng* (347)
- A Geometry Constrained Moving Least Squares-based High-precision 3D Reconstruction Method of Mountains from TomoSAR Point Clouds. *LI Xiaowan, LIANG Xingdong, ZHANG Fubo, LIU Yunlong, LI Yanlei, GUO Qichang, WAN Yangliang, BU Xiangxi* (363)
- Unambiguous Imaging Method for GEO-LEO Bistatic SAR Based on Joint Sequential Multiframe and Multichannel Receiving Recovery. *AN Hongyang, SUN Zhichao, WANG Chaodong, WU Junjie, YANG Jianyu* (376)

Radar Signal Processing

- Clutter Mitigation in Space-based Early Warning Radar Using a Convolutional Neural Network. *DUAN Keqing, LI Xiang, XING Kun, WANG Yongliang* (386)
- A Multiple Interference Suppression Algorithm Based on Airborne Bistatic Polarization Radar. *XIA Deping, ZHANG Liang, WU Tao, MENG Xiangdong* (399)
- Adaptive Spectral Polarization Filter Design for Dual-polarization Weather Radar. *AN Mengyun, YIN Jiapeng, HUANG Jiankai, PANG Chen, LI Yongzhen, WANG Xuesong* (408)
- Progress in Radar Emitter Signal Deinterleaving. *SUI Jinping, LIU Zhen, LIU Li, LI Xiang* (418)
- Multi-emitters Direct Localization Method via Multi-dictionaries and Hierarchical Block Sparse Bayesian Framework. *YE Hongzhen, GUO Haizhao, GUAN Haoliang, ZHANG Shunsheng, WANG Wenqin* (434)

Radar Target Tracking

- Move-stop-move Target Tracking with Low-altitude Surveillance Radars. *XU Kaiming, WANG Bailu, LI Suqi, DENG Yunkai, WANG Jinghe* (443)
- Multitarget Tracking Using Distributed Radar with Partially Overlapping Fields of Views. *DA Kai, YANG Ye, ZHU Yongfeng, FU Qiang* (459)
- Multitarget-tracking Method for Airborne Radar Based on a Transformer Network. *LI Wenma, ZHANG Shunsheng, WANG Wenqin* (469)

Radar Application Technology

- Orbital Radar Sounding of Earth's Ice Sheets: Opportunities and Challenges. *XIAO Peng, YU Zhitong, CHEN Zhuoqi, CUI Xiangbin, ZHAO Bo, LANG Shinan, LI Meng, HU Luoqia, HUANG Yan, LIU Min, WANG Cheng, CHEN Liang, LIU Lu, SUI Xiaohong, YUAN Chunzhu* (479)
- Review of Noncontact Medical and Health Monitoring Technologies Based on FMCW Radar. *FANG Zhen, JIAN Pu, ZHANG Hao, YAO Yicheng, GENG Fanglin, LIU Changyu, YAN Baiju, WANG Peng, DU Lidong, CHEN Xianxiang* (499)

Academic Information

- Call for Papers of Radar Signal Processing with Modern Optimization Techniques. (323)
- 2021 Excellent Papers of the Journal of Radars are Released. (407)
- 2020–2021 Excellent Reviewers, 2018 Highly Cited Papers of Journal of Radars are Released. (Inside Front Cover)