

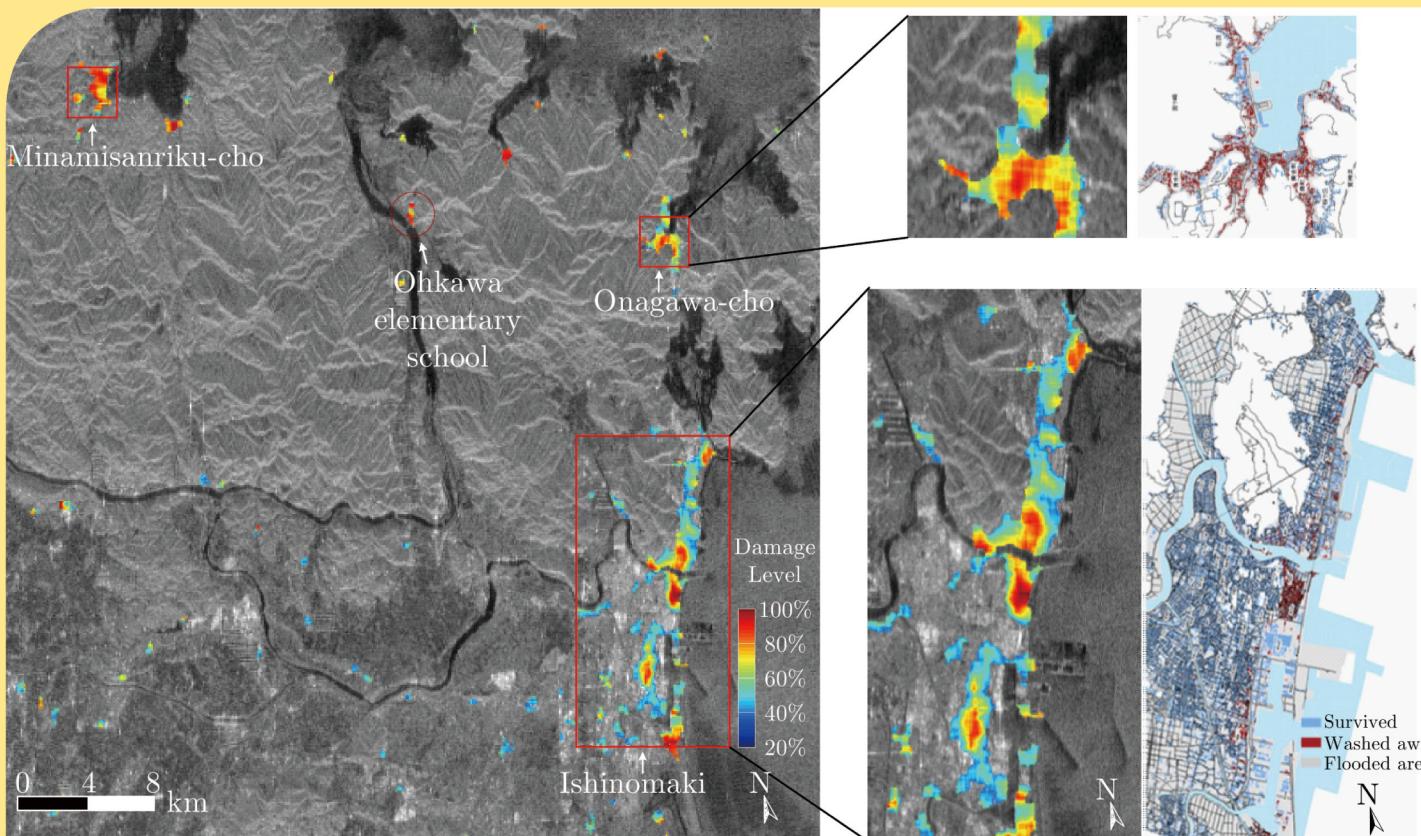
雷达学报

JOURNAL OF RADARS

2
2020
Vol.9 No.2

合成孔径雷达技术专刊 3

专刊主编：邓云凯 杨建宇 李春升 龙腾 邢孟道



广域建筑物倒损率估计及与真值数据的对比 (2011.03.11 东日本大地震)

Urban damage mapping results and comparisons with the ground-truth data (the March 11th, 2011, East Japan earthquake)

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9卷 第2期 2020年4月

目 次

合成孔径雷达技术专刊3

专刊主编: 邓云凯 杨建宇 李春升 龙腾 邢孟道

综 述

- 多方位角观测星载SAR技术研究..... 陈杰, 杨威, 王鹏波, 曾虹程, 门志荣, 李春升 (205)
机载圆周SAR成像技术研究..... 安道祥, 陈乐平, 冯东, 黄晓涛, 周智敏 (221)
OFDM SAR成像方法综述..... 张天贤, 夏香根 (243)
合成孔径雷达极化成像解译识别技术的进展与展望..... 王雪松, 陈思伟 (259)
Multi-temporal InSAR for Urban Deformation Monitoring: Progress and Challenges.....
..... WU Songbo, LE Yongyao, ZHANG Lei, DING Xiaoli (277)

论 文

- 多普勒频谱模糊情况下的星载方位向多通道高分宽幅SAR-GMTI杂波抑制方法.....
..... 张双喜, 乔宁, 邢孟道, 吴亿峰, 吴玉峰 (295)
多角度SAR动目标检测技术及其高分三号实验验证研究.....
..... 申文杰, 韩冰, 林贊, 胡玉新, 洪文 (304)
视频SAR成像与动目标阴影检测技术..... 丁金闪 (321)
基于空间变迹滤波旁瓣抑制与有序统计恒虚警率的舰船检测算法.....
..... 黄寅礼, 孙路, 郭亮, 孙光才, 邢孟道, 杨军, 胡以华 (335)
基于极化轴比参数的圆极化波发射误差分析方法..... 陈诗强, 洪文 (343)
基于尺度变换原理的SAR波数域成像算法..... 韦维, 朱岱寅, 吴迪 (354)
基于特征复用的膨胀-残差网络的SAR图像超分辨重建..... 李萌, 刘畅 (363)
一种InSAR建筑物图像仿真及高程反演方法..... 王超, 仇晓兰, 李芳芳, 雷斌 (373)
Evaluating the Impacts of Using Different Digital Surface Models to Estimate Forest Height with
TanDEM-X Interferometric Coherence Data.....
..... CHEN Hao, HILL David A., WHITE Joanne C., CLOUDE Shane R. (386)

学术信息

- 中国星载合成孔径雷达三十年..... (封二)
高分三号星载合成孔径雷达图像..... (封三)

JOURNAL OF RADARS

Vol.9 No.2 Apr. 2020

CONTENTS

Special Issue on Synthetic Aperture Radar Technology (Part 3)

Guest Editors: DENG Yunkai YANG Jianyu LI Chunsheng LONG Teng XING Mengdao

Reviews

Review of Novel Azimuthal Multi-angle Observation Spaceborne SAR Technique..... CHEN Jie, YANG Wei, WANG Pengbo, ZENG Hongcheng, MEN Zhirong, LI Chunsheng	(205)
Study of the Airborne Circular Synthetic Aperture Radar Imaging Technology..... AN Daoxiang, CHEN Leping, FENG Dong, HUANG Xiaotao, ZHOU Zhimin	(221)
An Overview of OFDM SAR Imaging Methods..... ZHANG Tianxian, XIA Xianggen	(243)
Polarimetric Synthetic Aperture Radar Interpretation and Recognition: Advances and Perspectives..... WANG Xuesong, CHEN Siwei	(259)
Multi-temporal InSAR for Urban Deformation Monitoring: Progress and Challenges (in English). WU Songbo, LE Yongyao, ZHANG Lei, DING Xiaoli	(277)

Papers

A Novel Clutter Suppression Approach for the Space-borne Multiple Channel in the Azimuth High-resolution and Wide-swath SAR-GMTI System with an Ambiguous Doppler Spectrum..... ZHANG Shuangxi, QIAO Ning, XING Mengdao, WU Yifeng, WU Yufeng	(295)
Multi-aspect SAR-GMTI and Experimental Research on Gaofen-3 SAR Modes..... SHEN Wenjie, HAN Bing, LIN Yun, HU Yuxin, HONG Wen	(304)
Focusing Algorithms and Moving Target Detection Based on Video SAR..... DING Jinshan	(321)
Ship Detection Algorithm Based on Spatially Variant Apodization Sidelobe Suppression and Order Statistic-Constant False Alarm Rate..... HUANG Yinli, SUN Lu, GUO Liang, SUN Guangcui, XING Mengdao, YANG Jun, HU Yihua	(335)
Analysis on the Transmit Distortion of the Circular Polarized Wave Based on the Axial Ratio Parameter..... CHEN Shiqiang, HONG Wen	(343)
Wavenumber Domain Algorithm Based on the Principle of Chirp Scaling for SAR Imaging..... WEI Wei, ZHU Daiyin, WU Di	(354)
Super-resolution Reconstruction of SAR Images Based on Feature Reuse Dilated-Residual Convolutional Neural Networks Technology..... LI Meng, LIU Chang	(363)
An InSAR Image Simulation and Elevation Inversion Method for Buildings..... WANG Chao, QIU Xiaolan, LI Fangfang, LEI Bin	(373)
Evaluating the Impacts of Using Different Digital Surface Models to Estimate Forest Height with TanDEM-X Interferometric Coherence Data (in English). CHEN Hao, HILL David A., WHITE Joanne C., CLOUDE Shane R.	(386)

Academic Information

The Development of Chinese Synthetic Aperture Radar Over Last Thirty Years.....	(Inside Front Cover)
The Spaceborne Synthetic Aperture Radar Images of Gaofen-3.....	(Inside Back Cover)