张双喜

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基本信息 The basic information

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电话: 15877348009	2004.08-2008.07　西安电子科技大学　测控技术与仪器　本科	
	2008.08-2014.09　西安电子科技大学雷达信号处理国家重点实验室	

信号与信息处理　硕博连读　导师：保铮院士和邢孟道教授

2014.08-2016.09　新加坡国立大学　博士后　合作导师：郭永新教授

科学研究 Scientific Research

1. 多通道高分辨宽测绘带合成孔径雷达成像及动目标检测

2. 机载合成孔径雷达成像运动补偿

3. 合成孔径雷达干扰抑制

4. 电磁计算及散射建模，具体：基于合成孔径雷达图像解译的电磁散射建模

5. 合成孔径雷达系统设计

学术成果 Academic Achievements

英文期刊：

1. **Shuangxi Zhang**, Mengdao Xing, Rui Guo, Lei Zhang, and Zheng Bao, " Interference suppression algorithm for SAR based on time-frequency transform," *IEEE Transactions on Geoscience Remote Sensing*, vol. 49, no. 10, pp.3765-3779, Oct., 2011. (EI: 20114114412500, SCI: 000296888400027, JCR 2, IF:3.514, 引用12

2. **Shuangxi Zhang,** Mengdao Xing, Xianggen Xia, Yanyang Liu, Rui Guo and Zheng Bao, "A robust channel-calibration algorithm for the multi-channel in azimut SAR imaging based on local maximum-likelihood weighted minimum entropy," *IEEE Transactions on Image Prcocessing*, vol. 22, no. 12, pp. 5294-5305, Dec. 2 (EI:20142817928129, SCI: 000331203200011, JCR 2, IF: 3.625, 引用3次)

3. **Shuangxi Zhang**, Mengdao Xing, Xianggen Xia, Lei Zhang, Rui Guo, Yi Liao, and Zheng Bao, "Multi-channel HRWS SAR imaging based on range-variant cha calibration and multi-Doppler-direction restriction ambiguity suppression," *IEEE Transactions on Geoscience Remote Sensing*, vol. 52, no. 7, pp. 4306-4326, Jul. 20141317501364, SCI:000332597100049, JCR 2, IF: 3.514, 引用7次)

4. **Shuangxi Zhang,** Mengdao Xing, Xianggen Xia, Rui Guo, Yanyang Liu, and Zheng Bao, "A novel moving target imaging algorithm for multi-channel in azimut SAR based on local maximum-likelihood minimum entropy," *IEEE Transactions on Geoscience Remote Sensing*, vol. 52, no. 9, pp. 5333-5347, Sep. 2014. (EI: 20141617598310, SCI: 000333171900006, JCR 2, IF: 3.514, 引用6次)

5. **Shuangxi Zhang,** Mengdao Xing, Xianggen Xia, Rui Guo, and Zheng Bao, "Robust clutter suppression and moving-target imaging approach for multi-channel i high-resolution and wide-swath synthetic aperture radar," *IEEE Transactions on Geoscience Remote Sensing,* vol. 53, no. 2, pp. 687-709, Feb. 2015. (EI: 201435 SCI: 000342910800009, JCR 2, IF: 3.514, 引用1次)

6. **Shuangxi Zhang**, Mengdao Xing, Xianggen Xia, Jianbing Li, Rui Guo, and Zheng Bao, "A robust imaging algorithm for squint mode multi-channel high-resolut -swath SAR with hybrid baseline and fluctuant terrain," *IEEE Journal of Selected Topics in Signal Processing*. vol. 9, no.8, pp. 1583-1598, Dec. 2015. (EI, SCI: 000366466800020, JCR 2, IF: 2.373, 引用0次)

7. **Shuangxi Zhang**, Mengdao Xing, Xianggen Xia, Lei Zhang, Rui Guo, and Zheng Bao, " Focus improvement of high-squint SAR based on azimuth dependence range cell migration correction," *IEEE Geoscience Remote Sensing Letters*, vol. 10, no. 1, pp. 150-154, Jan. 2013. (EI: 20134717008462, SCI: 0003108997000031 2.095, 引用18次)

8. Rui Guo, Yabo Liu, Y. H. Wu, **Shuangxi Zhang**, Mengdao Xing, and Wei He, "Applying H/α decomposition to compact polarimetric SAR," *IET Radar Sonar Na no. 2, pp. 61-70, 2012. (EI, SCI)

9. Rui Guo, Wei He, **Shuangxi Zhang**, Bo Zang, and Mengdao Xing, "Analysis of three-component decomposition to compact polarimetric synthetic aperture radar, *Sonar Naving.*(in press, EI, SCI)

10. Cheng Shichao, Xing Mengdao, **Zhang Shuangxi**, and Bao Zheng, "A SIFT algorithm for bistatic SAR imaging in a spaceborne constant-offset configuration," *J Radars*, vol. 2, no.1 pp.14-22, 2013.

11. Jianbing Li, Xiaoping Li, Mingfu Lin, and **Shuangxi Zhang**, "Maximum-likelihood-based Doppler centroid estimation algorithm for MC-HRWS SAR system," *L Letters*, vol. 50, no. 22, pp. 1630-1631, Oct. 2014.

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12. **张双喜**，孙光才，周峰，刘艳阳，邢孟道，一种基于子孔径自聚焦的高频运动误差估计和补偿方法,电子与信息学报，第32卷，第12期，2010.(EI: 20110213568810, 引用6次)

13. **张双喜**，张磊，郭睿，周鹏，邢孟道，"利用小波变换进行合成孔径雷达窄带干扰抑制算法"西安电子科技大学学报，第38卷，第5期，2011.(EI: 2011 引用2次)

14. **张双喜**，张磊，刘艳阳，邢孟道，保铮，"基于STFT和WT的SAR干扰抑制算法"电子学报，第39卷，第10期，2011. (EI: 20113614302095, 引用2次)

15. **张双喜**，李军，张磊，邢孟道，保铮，"基于级数反演FMCW SAR成像算法研究"电子学报，第41卷，第3期，2013. (EI: 20131816300429, 引用3次

16. **张双喜**，孙光才，刘艳阳，周峰，邢孟道，"基于四通道SAR欺骗式干扰抑制算法"，现代雷达，第33卷，第2期，2011.

17. 黎剑兵，**张双喜**，苏大亮，贾静，包为民，"一种多普勒域走动校正的斜视SAR成像算法，"宇航学报，2015

会议：

18. **Shuangxi Zhang**, Guo Rui, Xu Gang, and Mengdao Xing, "Azimuth dependence of quadratic range cell migration correction for the high squint synthetic apertu IEEE International Radar Conference, Chengdu, China, Oct., 2011, vol. 1, 1502-1505. (EI: 20121314908177)

19. **Shuangxi Zhang**, Yi Liao, Guangcai Sun, Lei Zhang, and Mengdao Xing, " A considering range space-variation channel-balancing method for multi-channel hig and wide-swath SAR imaging," IET International Radar Conference 2013, Xi'an, China. (EI: 20141017418728)

20. **Shuangxi Zhang**, Guo Rui, Letian Zeng, and Mengdao Xing, "Based on minimum-entropy HRWS SAR channel-calibration method," IET International Radar C 2013, Xi'an, China. (EI: 20141017418869)

21. **Shuangxi Zhang**, Yongxin Guo, Cher Hiang Goh, and Mengdao Xing, "A novel Doppler chirp rate and baseline estimation approach in time domain for multi-cł azimuth HRWS SAR system," IEEE The 5th Asia-Pacific Conference on Synthetic Aperture Radar, Singapore, Sep., 2015. (EI: 20160701916330)

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