# 叶修竹 | 论文列表

共发表1部译著，50余篇论文，其中16篇SCI检索论文已收录,EI 22篇已收录。专利申请1项。国际会议**特邀报告**6次。近期论文多围绕电磁逆散射成像算法研究及医疗成像系统。

## 译著

共同作者，译著 “微波毫米波安防遥感技术”，机械工业出版社，*2015,* ISBN: 9787111499275

## 专利

叶修竹等，“基于基片集成波导的缝隙阵列天线及其功分网络”，专利申请号：201810853570.3

## SCI论文 *为通信作者

1 Q. Zhang, D. Ma, X. Tang, G. Zhang, Z. Zhang, K. Xu, **X. Ye**, Y. Sun, “1-D Frequency Diverse Single-Shot Guided-Wave Imaging using Surface-Wave Goubau Line”, *IEEE Transactions on Antennas and Propagation*, early access online, 2019.（SCI JCR Q1）

2 C. Fang, **X. Ye***, Y. Zhang, Q. Wang, N. Zhang, H. Jiang and M. Bai, “Investigation of the RCS for finite bandpass frequency selective surface”, *Applied Computational Electromagnetics Society Journal*, Vol.31, Issue 6, 2019. (SCI)

3 R. Shen, **X. Ye***, J. Xie, Z. Chen, C. Jin, "A W-Band Circular Box-horn Antenna Array Radiating Sum and Difference Beams with Suppressed Sidelobe", *IEEE Transactions on Antennas and Propagation*, Vol. 67, Issue 9, pp. 5934-5942, 2019.（SCI JCR Q1）

4 Y. Chu, K. Xu, Y. Zhong, **X. Ye**, T, Zhou,X. Chen,, G. Wang, “Fast Microwave Through Wall Imaging Method With Inhomogeneous Background Based on Levenberg-Marquardt Algorithm”, *IEEE Transactions on Microwave Theory and Techniques*, Vol, 67, Issue, 3, pp. 1138-1147, Mar. 2019.（SCI JCR Q1）

5 B. Zhang, C. Jin, **X. Ye**, R. Mittra, “Dual-Band Dual-Polarized Quasi-Elliptic Frequency Selective Surfaces,” *IEEE Antennas and Wireless Propagation Letters*, Vol.18, Issue 2, pp.298-302, Feb. 2019.(SCI JCR Q1)

6 **X. Ye*** and X. Chen, “Subspace-based distorted-Born iterative method for solving inverse scattering problems”, *IEEE Transactions on Antennas and Propagation*, Vol. 65, no.12, pp. 7224 – 7232, Dec. 2017. （SCI JCR Q1）

7 R. Shen, **X. Ye*** and J. Miao, “Design of a Multimode Feed Horn Applied in a Tracking Antenna”, *IEEE Transactions on Antennas and Propagation*, Vol.65, no. 6, pp.2779-2788, Jun. 2017.（SCI JCR Q1）

8 X. Fang, M. Bai, **X. Ye***, Z. Zheng “Ultra-broadband microwave frequency down-conversion based on optical frequency comb”, *Optics Express* 23, Vol.13, pp.17111-17119, Nov. 2015. （SCI JCR Q1）

9 **X. Ye**, L. Poli, G. Oliver, Y. Zhong, K. Agarwal, A. Massa, X. Chen* “Multi-

resolution subspace-based optimization method for solving three-dimensional inverse scattering problems", *Journal of the Optical Society of America A*, Vol. 31, No. 11, pp. 2218-2226, Jun. 2015. （SCI JCR Q2）

10 **X. Ye***, R. Song, X. Chen, "Application of T-matrix method in solving mixed boundary separable obstacle problem", *Optics Express*, Vol. 22, Issue 13, pp. 16273-16281, Jun. 2014. （SCI JCR Q1）

11 R. Song, **X. Ye**, X. Chen*, "Reconstruction of scatterers with four different boundary conditions by T-matrix method", *Inverse Problems in Science and Engineering*, Vol. 23, Issue 4, pp. 601-616, May 2015. （SCI）

12 **X. Ye**, X. Chen*, Y. Zhong, R. Song, "Simultaneous Reconstruction of Dielectric and Perfectly Conducting Scatterers Via T-Matrix Method", *IEEE Transactions on Antennas and Propagation*, Vol. 61, no. 7, pp. 3774-3781, Jul. 2013. （SCI JCR Q1）

13 **X. Ye***, R. Song, K. Agarwal, X. Chen, "Electromagnetic imaging of separable obstacle problem", *Optics Express*, Vol. 20, Issue 3, pp. 2206-2219, Jan. 2012. （SCI JCR Q1）

14 **X. Ye**, Y. Zhong, X. Chen*, "Reconstructing perfectly electric conductors by subspace-based optimization method with continuous variables", *Inverse Problems*, Vol. 27, no. 5, 055011, May 2011. （SCI JCR Q1）

15 **X. Ye**, Y. Zhong, K. Agarwal, X. Chen*, "Subspace-based optimization method for reconstructing perfectly electric conductors", *Progress in Electromagnetics Research*, Vol. 100, pp. 119-128, 2010. （SCI JCR Q2）

16 K. Xu*, Y. Liu, L. Dong, L. Peng, S. Chen, F. Shen, **X. Ye**, X. Chen and G. Wang, "Printed multi-band compound meta-loop antenna with hybrid-coupled SRRs", *IET Microwave Antennas& Propagation*, Vol.12, no.8, pp.1382-1388, 2018.07（SCI）

## Oral Presentations

### 讲座

1 "Microwave biomedical imaging with inhomogeneous background", at Southern University of Science and Technology, Shenzhen, China, Nov. 2017

2 "On Imaging Methods of Material Structures with Different Boundary Conditions", at Fresnel Institute, Marseille, France, Mar. 2017

3 "Breast cancer imaging - using the microwave inverse scattering method", at L2S, Centrale Supelec, Paris, France, Mar. 2017

### 会议与EI论文

1 （特邀报告）**X. YE**, "An inhomogeneous background microwave imaging algorithm as applied in bio-imaging", 2019 International Conference on Microwave and Millimeter Wave Technology, Guangzhou, May 2019.

2 （特邀报告）H. Liu and **X. Ye***, "Reconstruction of Dielectric Pamameters of Human Tissues Using Distorted Born Iterative Method", 2019 IEEE International Conference on Computational Electromagnetics, Shanghai, Mar.

2019.

3 （特邀报告）R. Shen, **X. Ye***, J. Xie, “A wideband design of rectangular TE10 to circular TE01 mode transducer”, *IEEE 7th Asia-Pacific Conference on Antennas and Propagation*, Auckland, New Zealand, Aug. 2018.

4 **X. Ye**, N. Zhang, and X. Chen, “The Subspace-based Distorted-Born Iteration Method TE and Anisotropic Case”, *Progress In Electromagnetics Research Symposium 2018*, Toyama, Japan, Aug. 2018.

5 H. Liu, X. Shang, **X. Ye***, “Breast Cancer Detection Using Synthetic Aperture Radar Imaging and Distorted Born Iterative Method”, *the Applied Computational Electromagnetics Society Conference*, Beijing, China, Jul. 2018.

6 C. Fang, N. Zhang, H. Jiang, Y. Zhang, M. Bai and **X. Ye***, “Investigation of the RCS for a finite bandpass frequency selective surface”, *the Applied Computational Electromagnetics Society Conference*, Beijing, China, Jul. 2018.

7 N. Zhang, Q. Wang, H. Jiang, M. Bai, Y. Zhang and **X. Ye***, “An Exploration of Finite Frequency Selective Surface Fringe Effect to Wave-transparent Mechanism”, *the Applied Computational Electromagnetics Society Conference*, Beijing, China, Jul. 2018.

8 H. Jiang, K. Xu, M. Bai* and X. Ye, “A Multiband Folded Loop Antenna for Metal-Rimmed Smartphones”, *the Applied Computational Electromagnetics Society Conference*, Beijing, China, Jul. 2018.

9 K. Xu and **X. Ye***, “A comparison of the MR-TSOM and DBIM in reconstructing 2D model of human breast”, *2018 Cross Strait Quad-Region Radio Science and Wireless Technology Conference*, Xuzhou, China, Jul. 2018.

10 **X. Ye**, “Simultaneous Imaging of the Conductor and Dielectric Scatterer”, The 18th International Symposium on Applied Electromagnetics and Mechanics, Chamonix, Mont-Blanc, France, Sep. 2017

11 **X. Ye**, “Inverse scattering method in reconstructing different boundary conditions”, *Applied Inverse Problems*, Hangzhou, China, June 2017

12 **X. Ye**, “Electromagnetic Imaging of Wave Impenetrable Objects”, *11th European Conference on Antennas and Propagation (EUCAP)*, Paris, France, Mar. 2017

13 （特邀报告） **X. Ye** and X. Chen, “A distorted-Born subspace-based optimization method”, *Progress In Electromagnetics Research Symposium 2016*, Shanghai, China, Aug. 2016.

14 **X. Ye,** J. Shen, L. Ran and X. Chen, “Inverse Scattering based Through Wall Imaging”, *7th Asia-Pacific International Symposium on Electromagnetic Compatibility & Signal Integrity and Technical Exhibition*, Shenzhen, China, May 2016.

15 **X. Ye** and X. Chen, “Two-dimensional inverse scattering problems with four different boundary conditions”, *Progress In Electromagnetics Research Symposium 2015*, Prague, Czech, July 2015.

16 **X. Ye**, "Imaging the PEC scatterer via T-matrix based inversion method", *2015 IEEE Symposium on Antennas and Propagation and URSI North American Radio Science Meetings*, Vancouver, Canada, July 2015.

17 **X. Ye**, "Simultaneous reconstruction of the PEC and dielectric scatterers in through-wall imaging application", *9th International Conference on Computational Physics,* Singapore, Jan. 2015.

18 **X. Ye**, "Simultaneous reconstruction of the PEC and dielectric scatterers via inverse scattering method", *Progress In Electromagnetics Research Symposium 2014*, Guangzhou, China, July 2014.

19 (特邀报告) X. Chen and **X. Ye**, "Through-wall imaging: inverse scattering approach", *Asia-Pacific Conference on Antennas and Propagation*, Harbin, China, July 2014.

20 **X. Ye** and X. Chen "Electromagnetic inverse scattering of perfectly electric conductors by the subspace-based optimization method", *Progress In Electromagnetics Research Symposium 2011,* Suzhou, China, Sept. 2011.

21 **X. Ye** and X. Chen, "The investigation of the regularization term in the continuous-parameter subspace-based optimization method in reconstructing PEC objects", *Cross Strait Quad-Regional Radio Science and Wireless Technology Conference*, Harbin, China, July 2011.

22 H. Jiang, R. Shen and **X. Ye***, "A broadband antenna array for microwave imaging application", Progress in Electromagnetics Research Symposium 2017, Singapore, Nov. 2017.

23 J. Li and **X. Ye**, "Electromagnetic two-dimensional scattering experiment for verifying inverse scattering problem", *Progress in Electromagnetics Research Symposium 2017,* Singapore, Nov. 2017.

24 R. Song, **X. Ye**, X. Chen, "Reconstruction of electromagnetic scatterers with different boundary conditions", *Progress In Electromagnetics Research Symposium 2013,* Taipei, Taiwan, Mar. 2013.

25 **X. Ye** and X. Chen, "Investigation of the optimization progress of the subspace-based optimization method in reconstructing perfect electric conductors", *Asia-Pacific Microwave Conference,* Melbourne, Australia, Dec. 2011.

26 **X. Ye** and X. Chen, "The role of regularization parameter of subspace-based optimization method in solving inverse scattering problems", *Asia-Pacific Microwave Conference*, Singapore, Dec. 2008.

27 Q. Wang, Y. Tong, Y. Zhang, J. Wang, X. Liu, **X. Ye,** S. Lu, "Effect of Cylindrical and Spherical Conformation on Transmission Characteristics of FSS", *2018 12th International Symposium on Antennas, Propagation and EM Theory, ISAPE 2018 – Proceedings*, Dec. 2018.

28 K, Xu, **X. Ye**, Y. Zhong, X. Chen, "A Fast Algorithm for Solving the Inverse Scattering Problems with Inhomogeneous Background", 2*018 IEEE International Conference on Computational Electromagnetics, ICCEM 2018*, Oct., 2018

29 M. Serhir, M. Lambert, D. Lesselier, **X. Ye**, "On the Electromagnetic Probing

of Man-Made and Natural Buried Structures", *2018 International Conference on Microwave and Millimeter Wave Technology, ICMMT 2018 - Proceedings*, Dec., 2018,

30 Y. Liu, K. Xu, S. Chen, P. Zhao, G. Wang, **X. Ye**, "A Microwave Sensor Based on Split Ring Resonators for Differential Measuring Permittivity", *Proceedings of the 2018 IEEE 7th Asia-Pacific Conference on Antennas and Propagation, APCAP 2018*, p 241-242, Nov., 2018

31 W. Yu, Z. Qiao, **X. Ye***, M. Bai, "A Modified Method for Measuring the Faraday Rotation Angle", *Progress in Electromagnetics Research Symposium*, v 2018-August, p 706-709, Dec. 31, 2018

32 C. Wang, **X. Ye**, X. Chen, X. Xin, B. Liang, Z, Li, A. Hu, J. Miao, "A 3.5-8 GHz Analog Complex Cross-Correlator for Interferometric Passive Millimeter-Wave Security Imaging Systems", *Progress in Electromagnetics Research Symposium*, v 2018-August, p 706-709, Dec. 31, 2018.

33 B. Niu, D. Xia, Y. Xing, **X. Ye**, M. Bai, "Analysis and Synthesis of Large Scale Conformal Antenna Based on Hybrid Layout," *Progress in Electromagnetics Research Symposium*, 2018-August, p 706-709, Dec. 31, 2018.

34 X. Chen, **X. Ye**, C. Wang, A. Hu, J. Miao, "A Ka Band Multi-Channel Integrated Receiver for Passive Millimeter Wave Imaging System," *Progress in Electromagnetics Research Symposium*, 2018-August, p 706-709, Dec. 31, 2018.