

清华大学物理系

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个人主页：

个人简历

教育

清华大学物理系凝聚态物理 理学博士学位 (2003年)

清华大学物理系本科毕业 (1996年)

工作经历

清华大学物理系 副教授 (2008年-至今)

清华大学物理系 助理研究员 (2003年-2008年)

教学

2010年-至今 本科生《大学物理》课程；

2006年-2009年 本科生《普通物理》课程

研究领域

主要从事超导电子学领域研究工作，包括超导微波器件设计和研制，超导滤波滤波器在各种微波通信中的应用研究。

学术兼职

2013年至今 全国超导标准化技术委员会 (SAC/TC265) 委员 ;

2007年至今 中国电子学会超导电子学分会 委员 ;

主要论著

作为第一、第二作者合作发表EI或SCI收录论文20余篇, 部分论文:

1. Lu Xilong, **Wei Bin**, Cao Bisong, Guo Xubo, Zhang Xiaoping, Song Xi Zhan, Design of a High-Order Dual-Band Superconducting Filter With Contr Bandwidths, *IEEE Transactions on Applied Superconductivity*, 24(2), 2014
2. Song Xiaoke, **Wei Bin**, Cao Bisong, Guo Xubo, Zhang Xiaoping, Zher Jingchen, Shang Zhaojiang, A mechanical tuning method for superconducti domain and time domain, *Microwave and Optical Technology Letters*, 56(1)
3. Wang Jingchen, **Wei Bin**, Cao Bisong, Guo Xubo, Zhang Xiaoping, ZI band wideband HTS filter with wide upper stopband, *Microwave and Optica* pp 600-603, 2014
4. Zheng Tianning, **Wei Bin**, Feng Cheng, Cao Bisong, Guo Xubo, Zhan power handling capability improved HTS filter using modified sliced line res *Superconductivity and Its Applications*, 500, pp 1-3, 2014
5. Xu Zhan, **Wei Bin**, Cao Bisong, Guo Xubo, Zhang Xiaoping, Wang D Xilong, A compact superconducting filter at 6.5 MHz using capacitor-loaded resonators, *IEEE Microwave and Wireless Components Letters*, 24(4), pp 2
6. Song Xiaoke, **Wei Bin**, Cao Bisong, Zhang Xiaoping, Guo Xubo, Zhar High-performance narrowband superconducting filters with high Q resonato *and Optical Technology Letters*, 56(7), pp 1516-1520, 2014.
7. Wang Jingchen, **Wei Bin**, Cao Bisong, Guo Xubo, Zhang Xiaoping, Si stopband band-pass HTS filter with staggered resonators, *Physica C-Super Applications*, 495, pp 79-83, 2013.
8. Wang Jingchen, **Wei Bin**, Cao Bisong, Zhang Xiaoping, Guo Xubo, Si Narrow-Band HTS Bandpass Filter With Wide Stopband Using Interdigital S *Transactions on Applied Superconductivity*, 23(6), 2013.
9. Xu Zhan, **Wei Bin**, Cao Bisong, Guo Xubo, Zhang Xiaoping, Heng Yo Tianning, Wang Jingchen, A Compact Dual-Band Bandpass Superconducti Microstrip/CPW Spiral Resonators, *IEEE Microwave and Wireless Compon*, 584-586, 2013.
10. Gong Liming, **Wei Bin**, Zhang Ying, Zhang Xiaoping, Guo Xubo, Zhang six-pole narrow-band high temperature superconducting filter with wide stop *Physica C-Superconductivity and Its Applications*, 493, pp 42-44, 2013.
11. Xu Zhan, **Wei Bin**, Cao Bisong, Guo Xubo, Zhang Xiaoping, Jiang Lina Guoyong, A Miniature Wideband VHF Superconducting Filter Using Double Structures, *IEEE Microwave and Wireless Components Letters*, 23(7), pp 3:
12. Gong Liming, **Wei Bin**, Cao Bisong, Dong Shiwei, Dong Yazhou, Yu Hi band high-temperature superconducting filter with wide upper stopband, *Mi*

15. Jin Shichao, **Wei Bin**, Cao Bisong, Zhang Xiaoping, Guo Xubo, Peng Huili, Piao Yunlong, Gao Baoxin, Design and performance of an ultra-narrowband superconducting filter at UHF band, *IEE Microwave and Wireless Components Letters*, 18(6), pp 395-397, 2008.
16. Jin Shichao, **Wei Bin**, Zhang Xiaoping, Cao Bisong, Guo Xubo, Peng Huili, Gao Baoxin, A compact narrowband HTS filter with an extended upper stopband, *Microwave and Optical Technology Letters*, 50(4), pp 1066-1069, 2008.
17. Guo Xubo, **Wei Bin**, Zhang Xiaoping, Cao Bisong, Jin Shichao, Peng Huili, Gao Longma, Gao Baoxin, Design of a high-power superconducting filter using resonators with different linewidths *Transactions on Microwave Theory and Techniques*, 55(12), pp 2555-2561, 2007.
18. Jin Shichao, **Wei Bin**, Zhang Xiaoping, Cao Bisong, Guo Xubo, Peng Huili, Gao Longma, Gao Baoxin, Design of a novel HTS open-loop SIR filter with the relocation of its second passband, *Microwave and Optical Technology Letters*, 49(9), pp 2097-2101, 2007.
19. Yin ZheSheng, **Wei Bin**, Cao BiSong, Wang Xin, Guo XuBo, Zhang XiaoPing, Gao LongMa, Piao YunLong, Zhu MaFeng, Liang Yong, Wang Fan, Piel, H., Aminov, B., Aminova, F., Getta, M., Knack, A., Pupeter, N., Wehler, D., Field trial of an HTS filter system on a CDMA base station, *Chinese Science Bulletin*, 52(2), pp 171-174, 2007.
20. Yin ZheSheng, **Wei Bin**, Cao BiSong, Guo XuBo, Zhang XiaoPing, He WenJun, He Shan, Gao LongMa, Zhu MeiHong, Gao BaoXin, An HTS Filter subsystem for 800MHz mobile communication system, *International Journal of Modern Physics B*, 19(1-3), pp 419-422, 2005.
21. **Wei Bin**, Wang RuiLan, Li HongCheng, Cao BiSong, TE013 mode High Temperature Superconductor millimeter resonator, *Journal of Superconductivity*, 16(5), pp 815-818, 2003.
22. **Wei Bin**, Zhang XiaoPing, Liu Kun, Cao BiSong, Zhang GuoYong, Liu BangChang, Zhu MeiHong, Zhu MaFeng, Gao LongMa, He WenJun, Guo XuBo, He Shan, Zhao YongGang, Gao BaoXin, HTS subsystem formed by 12-pole filter for GSM1800 mobile communication, *Physica Superconductivity and Its Applications*, 386, pp 551-554, 2003.

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