1. Gong Z, Li C, Jiang F, et al. AUV-aided localization of underwater acoustic devices based on Doppler shift measurements[J]. IEEE Transactions on Wireless Communications, 2020, 19(4): 2226-2239.

这篇论文讲的方法是在FFT的频域估计的峰值基础上，进一步提升频率估计的精度，值得看一看。

1. Liu J, Wang Z, Zuba M, et al. DA-Sync: A Doppler-assisted time-synchronization scheme for mobile underwater sensor networks[J]. IEEE Transactions on Mobile Computing, 2013, 13(3): 582-595.
2. Mason S F, Berger C R, Zhou S, et al. Detection, synchronization, and Doppler scale estimation with multicarrier waveforms in underwater acoustic communication[J]. IEEE Journal on selected areas in communications, 2008, 26(9): 1638-1649.

周胜利《OFDM水声通信》书中的一样的多普勒估计方法，文献【2】看到Section 3就行，文献【3】跟文献【2】方法一样，作为参考文献就行。

1. Aval Y M, Stojanovic M. Differentially coherent multichannel detection of acoustic OFDM signals[J]. IEEE Journal of Oceanic Engineering, 2014, 40(2): 251-268.

这篇论文有时间再看，我记得M. Stojanovic的主页上有说相关内容。

1. Li J, Zakharov Y V, Henson B. Multibranch autocorrelation method for Doppler estimation in underwater acoustic channels[J]. IEEE Journal of oceanic engineering, 2017, 43(4): 1099-1113.

这篇论文主要讲的是MBA算法，值得一看。