

论 著 目 录

1. '自适应波束成形中最优解在时域和频域中的等价关系', 声学学报, Vol. 4 (1979) No. 4 296-308
2. '多波束自适应噪声抵消法引论', 声学学报, Vol. 5 (1980) No. 3, 221-230
3. '多分层相关器输出的一种简单算法', 电子学报, (1980) No. 4, 79-81
4. '自适应波束成形系统的极限分辨率和最佳权系数动态', 声学学报, Vol. 6 (1981) No. 3, 172-180
5. '自适应噪声抵消滤波器抵消能力的研究', 电子学报, (1981) No. 4, 15-24
6. '自适应波束成形中稳态特性的研究', 声学学报, Vol. 7 (1982) No. 3, 165-173
7. '信号分析', 海洋出版社, 1983, 北京 (A Papoulis, 'Signal analysis', Prentice-Hall, NJ 1982)
8. '一种简单的抗强干扰自适应波束成形的办法', 声学学报, Vol. 8 (1983) No. 3, 159-167
9. 'Signal separation theory by using adaptive array', Chinese Journal of Acoustics, Vol. 2 (1983) No. 1, 81-92
10. 'A simple method of adaptive beamforming for suppressing strong interferences', 3rd Workshop of ASSP on WDSP, Lake Tahoe, USA, October 1983
11. '自适应阵信号分离理论', 声学学报, Vol. 9 (1984) No. 2, 88-99
12. '相位谱的快速近似算法', 应用声学学报, Vol. 3 (1984) No. 2, 42-43
13. '数字式分裂波束系统的精确定向系统', 声学学报, Vol. 9 (1984) No. 4, 225-233
14. '数字多波束系统检测性能的研究', 应用声学学报, Vol. 3 (1984) No. 4, 12-17
15. 'The precise bearing method of digital split-beam system', Chinese Journal of Acoustics, Vol. 3 (1984) No. 1, 73-91
16. 'The limiting resolution ability and the dynamic range of optimum weight coefficient of adaptive beamforming system', Chinese Journal of Acoustics, Vol. 3 (1984) No. 2, 154-163
17. 'IBM PC 用户手册', 科理高技术公司, 1985, 北京 ('IBM PC hand Book', IBM Corp., 1984)
18. 'System gain of multiple Wiener filter', Department of EE, Princeton University, NJ 08544, Nov. 1984 (Co-author Prof. S. C. Schwartz)
19. 'A kind of pre-processing of robust Wiener filter', Department of EE, Princeton University, NJ 08544, Feb. 1985 (Co-author Prof. S. C. Schwartz)

20. 'A method for calculating the weight coefficient of tapped delay line', Department of EE, Princeton University, NJ 08544, June 1985 (Co-author Prof. S. C. Schwartz)
21. 'A combined architecture of adaptive noise canceller and line enhancer', Department of EE, Princeton University, NJ 08544, Sept. 1985 (Co-author Prof. S. C. Schwartz)
22. '声纳信号处理引论', (专著 32 开 460 页) 海洋出版社, 1985, 北京
23. 'Time-delay estimation of split-beam system', Proceedings of ICASSP'86, 1816-1819, Tokyo 1986
24. '计算机图形学', (专著 16 开 352 页) 1986, 北京 (合作者 高福文 李筱)
25. '声纳设计中的计算机模拟技术 (I)', 声学学报, Vol. 11 (1986) No. 3, 212-218
26. '数字式多分层多波束系统指向性的计算机模拟', 应用声学学报, Vol. 5 (1986) No. 3, 17-22
27. '声纳设计中的计算机模拟技术 (II)', 声学学报, Vol. 11 (1986) No. 5, 297-305
28. 'The performance of absolutely optimum filter of array system', Proceedings of ICASSP 87, 2324-7, Dallas, USA, 1987
29. 'An alternative method for locating a passive source by using bearing estimation', Proceeding of ICASSP 88, 2634-7, New York, USA, 1988
30. 'Signal separation theory using adaptive array', International Journal of Adaptive control and Signal Processing, Vol. 2 (1988), 121-130
31. '一个在微机上的声纳线阵设计软件', 应用声学, Vol. 8 (1988), 36-41
32. 'The system gain of multichannel Wiener filter', Chinese Journal of Acoustics, Vol. 7 (1988), 302-311
33. 'A software for line array sonar design', Proc. of WestPac (1988), Shanghai 401-404
34. '多通路维纳滤波器的系统增益', 声学学报, Vol. 14 (1989), No. 2, 133-141
35. 'Real time and general purposed time compressed correlator', Chinese Journal of Acoustics, Vol. 8 (1989), 192-197
36. '被动测距声纳中后置处理置信级的设定', 应用声学, Vol. 8 (1989) 4-7
37. '数字式声纳的升采样率运算', 声学学报, Vol. 15 (1990) 7-13
38. '数字式声纳的高效 A/D 前置处理', 应用声学学报, Vol. 8 (1990) 8-11
39. 'An all-directional interference cancelling system for large sonar array', Chinese Journal of Acoustics, Vol. 9 (1990) 60-67
40. 'On the problem of the determination of operational mode of towed array with distorted shape', Chinese Journal of Acoustics, Vol. 9 (1990) 1-7

41. '实时通用时间压缩相关器', 声学学报, Vol 15 (1990) 146-150
42. 'A programmable DICANNE system', Proceedings of Intl. Marine Aconstics, 1990, Beijing
43. '大型声纳基阵的全方位强干扰抵消系统', 声学学报, Vol. 15 (1990) 258-237
44. '用级联阵列机构造大型数字式声纳的设计要求', 声学学报, Vol. 15 No. 3 (1990) 230-237
45. '论阵形畸变的拖曳阵的工作方式选择的问题', 声学学报, Vol. 15 No 6 (1990) 449-455
46. '奇异值分解在医学中的应用 -- 胎儿心电检测', 电子学报, Vol. 19 No. 1 (1991), 94-100
47. '数字式声纳信号处理芯片 -- 综述', 第二届全国水声会议, 1990. 11, 兴城
48. 'A grey scale conversion algorithm of digital sonar display system', Chinese Journal of Aconstics, Vol. 10 No. 1 (1991) 72-78
49. '时间压缩式相关器/延迟线 IC 设计', 应用声学, Vol. 10 No 6 (1991) 25-27
50. 'A Kalman like post filtering technique for passive sonar system', Proc UDT'91, Paris 679-684
51. '声纳 -- 水中耳目', 现代物理知识 1991 年第 1 期, 26-27
52. '扩声系统中信源对广播分区的计算机分配', 微计算机应用, Vol. 12 No. 4 (1991) 9-14
53. '数字式声纳显示系统的 GSC 算法', 声学学报, Vol. 16, No 4 (1991) 265-273
54. 'A new algorithm for extracting fetal signal by using SVD method' Proc. ICASSP 1992, Vol III 585-589, USA
55. 'Application of adaptive filtering technique in distance measurement of a passive sonar', Proc OCEAN'92, Rhode Island, USA 1992
56. 'Programmable array signal simulation system for digital sonar', Proc. of 14th ICA, Beijing 1992
57. '把人类引入海洋深处的人', 海洋世界, 92 年 No. 12, p12
58. 'A simple and easy expert system for classifying the ship radiated noise based on homomorphic filtering methods', Proc. of 14th ICA, 1992
59. 'Range directivity -- a new concept in passive source bearing', Proc of UDT'92, 7-12, LONDON UK
60. 'Design of a speech synthesizer IC for digital sonar voice alarm system', Ibid, 617-620
61. 'Programmable multi-channel white noise generator', Chinese Journal of Acoustics, Vol 11 No 3 (1992), 263 -- 268

62. 'Optimum block-adaptive learning algorithm for error back propagation networks', IEEE Trans. Vol. SP-40 No. 12 (1992) 3032-3034
63. '自适应滤波器在时延估计中的应用 -- 广义内插时延估计方法', 声学学报, Vol. 17 No. 3 (1992) 210-216
64. 'Application of adaptive filter in time delay estimation -- generalized quadratic interpolation method', Chinese Journal of Acoustics, Vol. 11 No. 1 (1992) 41-48
65. '单片机系统显示控制卡的设计和实现', 微机机应用 Vol. 13, No. 2 (1992) 44-47
66. '自适应滤波技术在水声信号处理中的应用', 应用声学 Vol. 11 No. 1 (1992) 17-23
67. '水声学中的信号处理', 物理, Vol. 21 No. 12 (1993) 678-682
68. '水声信号处理进展', 应用声学, Vol. 12, No. 5 (1993), 1-6
69. 'An application of DSP technique in underwater target automatic tracking', ICSPAT'93, Santa Clara 1574-1577
70. '圆阵数字式声纳设计中的几个问题', 全国水声会议, 1993, 宜昌
71. '声纳信号处理中时域数字多波束成形方法', 声学学报 Vol. 18 No. 6 (1993) 430-435
72. '可编程多路白噪声发生器', 声学学报, Vol. 18 No. 3 (1993) 246-251
73. 'A precise automatic target tracking algorithm by using cross power spectrum of array signal', Proc of UDT'93 CANNES, FRANCE, 1993
74. 'An expert system for underwater target noise recognition', Proc of UDT'93, CANNES, FRANCE 1993
75. 'Fussy logic for underwater target noise recognition', Proc of 2nd Intl Conf. on FUSSY SYSTEMS 588-592, San Francisco, 1993
76. '数字式声纳语音报警系统设计', 应用声学, Vol. 12 No. 4 (1993) 9-12
77. '多波束数字式声纳波束的一种内插算法', 应用声学, Vol. 13 No. 5 (1994) 1-4
78. 'A Study of Multi-beam DICANNE system', Proc. UDT'94 London, 1994 334-337
79. '数字式声纳 DICANNE 系统研究', 声学学报 Vol. 20 No. 4 (1995) 293-301
80. 'A beam interpolation algorithm in digital multi beam sonar' Chinese J of Acoustics Vol. 14 No. 3 (1995) 231-236
81. '数字式声纳大动态范围显示技术研究', 应用声学, Vol. 14, No. 3 (1995) 14-19
82. '1994 年水下防务技术 (UDT) 会议介绍', 应用声学 Vol. 14, No. 1 (1995) 45-46
83. 'A beam interpolation algorithm in digital sonar', Proc UDT'95 304 - 308, CANNES, FRANCE 1995
84. 'A study of time/bearing display technique in digital sonar', Proc UDT 95, 309 - 312, CANNES FRANCE 1995

85. 'A study of multi-beam DICANNE system', Chinese J. of Acoustics Vol. 14 No. 1 (1995) 34-38
86. 'precise bearing and automatic target tracking in digital sonar' Chinese J. of Acoustics Vol. 15 No. 1 (1996) 29-34
87. '数字式声纳多波束显示系统方位历程显示技术研究', 应用声学 Vol. 15 No. 3 (1996) 1-6
88. '声纳系统的最佳定向精度和最优多目标分辨力的研究', 海洋学报 Vol. 18 No. 4 (1996) 45 - 50
89. '数字式声纳对目标的精确测向和自动跟踪问题', 声学学报增刊 Vol. 21 (1996) 1 - 6
90. 'An expert system for underwater target noise recognition', Proc. of 3rd ECUA, Crete GREECE June 1996
91. 'A real time multi-beam DICANNE system', Proc. of 3rd ECUA, Crete GREECE June 1996
92. 'The nearest neighbourhood criteria in underwater target noise recognition', Proc. of UDT'96, LONDON July 1996
93. 'The theoretical consideration of multi-beam DICANNE system', Proc. of UDT'96, LONDON July 1996
94. 'An expert system for underwater target noise recognition and classification', Proc. of ICSPAT'96, Boston, USA Oct. 1996
95. 'Precise bearing and automatic target tracking in digital sonar system', Proc. of UDT'96, LONDON UK 1996
96. 'The design of real time multibeam DICANNE system in digital sonar', Proc. ICSPAT'96, Boston USA, Oct. 1996