

**John M. Cioffi**  
**Department of Electrical Engineering**  
**Research Publications**  
**Journal Publications**

1. M. Yelderian, B. Widrow, J. M. Cioffi, E. Hesler, and J. A. Leddy, "ECG Enhancement by Adaptive Cancellation of Electrosurgical Interference.," *IEEE Transactions Biomedical Engineering*, vol. BME-30, no. 7, pp. 392–398, 1983. DOI: [10.1109/TBME.1983.325039](https://doi.org/10.1109/TBME.1983.325039)
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3. J. M. Cioffi and T. Kailath, "Fast, Recursive-least-squares Transversal Filters for Adaptive Filtering.," *IEEE Transactions in Acoustics, Speech and Signal Processing*, vol. ASSP-32, no. 2, pp. 304–337, 1984. DOI: [10.1109/TASSP.1984.1164334](https://doi.org/10.1109/TASSP.1984.1164334)
4. H. Lev-Ari, T. Kailath, and J. M. Cioffi, "Least-squares adaptive lattice and transversal filters: A unified geometric theory," *IEEE Transactions on Information Theory*, vol. 30, no. 2, pp. 222–236, 1984. DOI: [10.1109/TIT.1984.1056882](https://doi.org/10.1109/TIT.1984.1056882)
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8. J. M. Cioffi and T. Kailath, "An Efficient, RLS, Data-Driven Echo Celler for Fast Initialization of Full-Duplex Data Transmission," *IEEE Transactions on Communications*, vol. 33, no. 7, pp. 601–611, 1985. DOI: [10.1109/TCOM.1985.1096350](https://doi.org/10.1109/TCOM.1985.1096350)
9. J. M. Cioffi, "Least-squares Storage-channel Identification.," *IBM Journal of Research and Development*, vol. 30, no. 3, pp. 310–320, 1986. DOI: [10.1147/rd.303.0310](https://doi.org/10.1147/rd.303.0310)
10. J. Cioffi and M., "Limited-Precision Effects in Adaptive Filtering [invited paper, special issue on adaptive filtering]," *IEEE Transactions Circuits and Systems*, vol. 34, no. 7, pp. 821–833, 1987. DOI: [10.1109/TCS.1987.1086209](https://doi.org/10.1109/TCS.1987.1086209)

11. W. L. Abbott, J. M. Cioffi, and H. K. Thapar, "Offtrack interference and equalization in magnetic recording," *IEEE Transactions on Magnetics*, vol. 24, no. 6, pp. 2964–2966, 1988. DOI: [10.1109/20.92302](https://doi.org/10.1109/20.92302)
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22. K. D. Fisher, J. M. Cioffi, W. L. Abbott, P. S. Bednarz, and C. M. Melas, "An adaptive RAM-DFE for storage channels," *IEEE Transactions on Communications*, vol. 39, no. 11, pp. 1559–1568, 1991. DOI: [10.1109/26.111433](https://doi.org/10.1109/26.111433)

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