

# Publications

Marius Pesavento

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## Journal articles

- [1] G. Allevalo, C. Haugwitz, M. Rutsch, R. Müller, M. Pesavento, and M. Kupnik, “Two-scale sparse spiral array design for 3D ultrasound imaging in air,” *IEEE Open Journal of Ultrasonics, Ferroelectrics, and Frequency Control*, vol. 3, pp. 113–127, 2023. DOI: 10.1109/OJUFFC.2023.3303132.
- [2] Y. Fan, M. Trinh-Hoang, C. E. Ardic, and M. Pesavento, “Decentralized eigendecomposition for online learning over graphs with applications,” *IEEE Transactions on Signal and Information Processing over Networks*, vol. 9, pp. 505–520, 2023. DOI: 10.1109/TSIPN.2023.3302658.
- [3] M. Pesavento, M. Trinh-Hoang, and M. Viberg, “Three more decades in array signal processing research: An optimization and structure exploitation perspective,” *IEEE Signal Processing Magazine*, vol. 40, no. 4, pp. 92–106, 2023. DOI: 10.1109/MSP.2023.3255558.
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## Conference proceedings

- [1] T. Liu, F. Matter, A. Sorg, M. Haardt, M. Pfetsch, and M. Pesavento, “Joint sparse estimation with cardinality constraint via mixed-integer semidefinite programming,” in *IEEE 9th International Workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP)*, 2023.
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