

Selected Publications

Thesis

T. Sanchez, *Learning to sample in Cartesian MRI*. PhD thesis, EPFL, 2022.

Conference papers

Z. Sun, F. Latorre, T. Sanchez, and V. Cevher, "A plug-and-play deep image prior," in *ICASSP*, pp. 8103–8107, 2021.

T. Sanchez and I. Krawczuk et al., "Uncertainty-driven adaptive sampling via GANs," in *NeurIPS 2020 Workshop on Deep Learning and Inverse Problems*, 2020.

T. Sanchez et al., "Scalable learning-based sampling optimization for compressive dynamic MRI," in *ICASSP 2020*, pp. 8584–8588, 2020.

B. Gözcü, T. Sanchez, and V. Cevher, "Rethinking sampling in parallel MRI: A data-driven approach," in *27th European Signal Processing Conference*, 2019.

Pre-prints

T. Sanchez, I. Krawczuk, and V. Cevher, "On the benefits of deep RL in accelerated MRI sampling," 2021. Under review.

T. Sanchez, I. Krawczuk, Z. Sun, and V. Cevher, "Closed loop deep bayesian inversion: Uncertainty driven acquisition for fast MRI," 2019.