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Publications

PUBLICATIONS

- **Polynomial Preconditioners for Regularized Linear Inverse Problems.** *SIAM Journal on Imaging Sciences*
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- **DTI-MR fingerprinting for rapid high-resolution whole-brain T1 , T2 , proton density, ADC, and fractional anisotropy mapping.** *Magnetic resonance in medicine*
Cao, X., Liao, C., Zhou, Z., Zhong, Z., Li, Z., Dai, E., Iyer, S. S., Hannum, A. J., Yurt, M., Schauman, S., Chen, Q., Wang, N., Wei, et al
2023
- **High-fidelity mesoscale in-vivo diffusion MRI through gSlider-BUDA and circular EPI with S-LORAKS reconstruction.** *NeuroImage*
Liao, C., Yarach, U., Cao, X., Iyer, S. S., Wang, N., Kim, T. H., Tian, Q., Bilgic, B., Kerr, A. B., Setsompop, K.
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- **Deep Learning Initialized Compressed Sensing (Deli-CS) in Volumetric Spatio-Temporal Subspace Reconstruction.** *bioRxiv : the preprint server for biology*
Iyer, S. S., Schauman, S. S., Sandino, C. M., Yurt, M., Cao, X., Liao, C., Ruengchaijatuporn, N., Chatnuntawech, I., Tong, E., Setsompop, K.
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- **3D-EPI blip-up/down acquisition (BUDA) with CAIPI and joint Hankel structured low-rank reconstruction for rapid distortion-free high-resolution T2 * mapping.** *Magnetic resonance in medicine*
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- **Blip up-down acquisition for spin- and gradient-echo imaging (BUDA-SAGE) with self-supervised denoising enables efficient T2 , T2 * , para- and diamagnetic susceptibility mapping.** *Magnetic resonance in medicine*
Zhang, Z., Cho, J., Wang, L., Liao, C., Shin, H. G., Cao, X., Lee, J., Xu, J., Zhang, T., Ye, H., Setsompop, K., Liu, H., Bilgic, et al
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- **Optimized multi-axis spiral projection MR fingerprinting with subspace reconstruction for rapid whole-brain high-isotropic-resolution quantitative imaging.** *Magnetic resonance in medicine*
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