

### Publications

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#### PUBLICATIONS

- **Deep Learning-Based Water-Fat Separation from Dual-Echo Chemical Shift-Encoded Imaging.** *Bioengineering (Basel, Switzerland)*  
Wu, Y., Alley, M., Li, Z., Datta, K., Wen, Z., Sandino, C., Syed, A., Ren, H., Xing, L., Lustig, M., Pauly, J., Vasanawala, S.  
2022; 9 (10)
- **Deep learning-augmented radioluminescence imaging for radiotherapy dose verification.** *Medical physics*  
Jia, M., Yang, Y., Wu, Y., Li, X., Xing, L., Wang, L.  
2021
- **Deep learning-enabled EPID-based 3D dosimetry for dose verification of step-and-shoot radiotherapy.** *Medical physics*  
Jia, M., Wu, Y., Yang, Y., Wang, L., Chuang, C., Han, B., Xing, L.  
2021
- **Fine-grained similarity fusion for Multi-view Spectral Clustering** *q INFORMATION SCIENCES*  
Yu, X., Liu, H., Wu, Y., Zhang, C.  
2021; 568: 350-368
- **Deep learning-augmented radiotherapy visualization with a cylindrical radioluminescence system.** *Physics in medicine and biology*  
Jia, M., Li, X., Wu, Y., Yang, Y., Kasimbeg, P., Skinner, L. B., Wang, L., Xing, L.  
2020
- **Accelerating quantitative MR imaging with the incorporation of B1 compensation using deep learning.** *Magnetic resonance imaging*  
Wu, Y., Ma, Y., Du, J., Xing, L.  
2020
- **Deciphering tissue relaxation parameters from a single MR image using deep learning** *SPIE Medical Imaging*  
Wu, Y., Ma, Y., Du, J., Xing, L.  
2020
- **Deriving new soft tissue contrasts from conventional MR images using deep learning.** *Magnetic resonance imaging*  
Wu, Y. n., Li, D. n., Xing, L. n., Gold, G. n.  
2020
- **Supapixel Region Merging based on Deep Network for Medical Image Segmentation** *ACM Transactions on Intelligent Systems and Technology*  
Liu, H., Wang, H., Wu, Y., Xing, L.  
2020; 11 (4)
- **Self-Attention Convolutional Neural Network for Improved MR Image Reconstruction.** *Information sciences*  
Wu, Y., Ma, Y., Liu, J., Du, J., Xing, L.  
2019; 490: 317-328
- **Incorporating prior knowledge via volumetric deep residual network to optimize the reconstruction of sparsely sampled MRI.** *Magnetic resonance imaging*  
Wu, Y., Ma, Y., Capaldi, D. P., Liu, J., Zhao, W., Du, J., Xing, L.  
2019
- **Automatic marker-free target positioning and tracking for image-guided radiotherapy and interventions**  
Zhao, W., Shen, L., Wu, Y., Han, B., Yang, Y., Xing, L., Fei, B., Linte, C. A.

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- **Learning deconvolutional deep neural network for high resolution medical image reconstruction** *INFORMATION SCIENCES*  
Liu, H., Xu, J., Wu, Y., Guo, Q., Ibragimov, B., Xing, L.  
2018; 468: 142–54