

Yiming Wan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Penalized-Likelihood PET Image Reconstruction Using 3D Structural Convolutional Sparse Coding. IEEE Transactions on Biomedical Engineering, 2022, 69, 4-14.	4.2	15
2	Unsupervised arterial spin labeling image superresolution via multiscale generative adversarial network. Medical Physics, 2022, 49, 2373-2385.	3.0	3
3	Temporal information-guided dynamic dual-tracer PET signal separation network. Medical Physics, 2022, 49, 4585-4598.	3.0	5
4	Blip up-down acquisition for spin- and gradient-echo imaging ($\langle \text{BUDA} \rangle$) with self-supervised denoising enables efficient $\langle \text{T}^2 \rangle$, $\langle \text{T}^2 \rangle^*$, para- and diamagnetic susceptibility mapping. Magnetic Resonance in Medicine, 2022, 88, 633-650.	3.0	15
5	Separation of dual-tracer PET signals using a deep stacking network. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1013, 165681.	1.6	4
6	Rapid high-quality PET Patlak parametric image generation based on direct reconstruction and temporal nonlocal neural network. NeuroImage, 2021, 240, 118380.	4.2	8
7	Modular segregation of task-dependent brain networks contributes to the development of executive function in children. NeuroImage, 2020, 206, 116334.	4.2	28
8	Noninvasive electrocardiographic imaging with low-rank and non-local total variation regularization. Pattern Recognition Letters, 2020, 138, 106-114.	4.2	6
9	Rapid image deconvolution and multiview fusion for optical microscopy. Nature Biotechnology, 2020, 38, 1337-1346.	17.5	105
10	Three-dimensional convolutional neural networks for simultaneous dual-tracer PET imaging. Physics in Medicine and Biology, 2019, 64, 185016.	3.0	19
11	PET image denoising using unsupervised deep learning. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2780-2789.	6.4	157
12	Deep-Learning-Based Separation of a Mixture of Dual-Tracer Single-Acquisition PET Signals With Equal Half-Lives: A Simulation Study. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 649-659.	3.7	9
13	Simultaneous estimation and segmentation from projection data in dynamic PET. Medical Physics, 2019, 46, 1245-1259.	3.0	5
14	Noninvasive reconstruction of dynamic myocardial transmembrane potential with graph-based total variation constraints. Healthcare Technology Letters, 2019, 6, 181-186.	3.3	3
15	Robust recovery of myocardial kinematics using dual \hat{H}_∞ criteria. Multimedia Tools and Applications, 2018, 77, 23043-23071.	3.9	10
16	Joint reconstruction of dynamic PET activity and kinetic parametric images using total variation constrained dictionary sparse coding. Inverse Problems, 2017, 33, 055011.	2.0	5
17	Separation of a Mixture of Simultaneous Dual-Tracer PET Signals: A Data-Driven Approach. IEEE Transactions on Nuclear Science, 2017, 64, 2588-2597.	2.0	13
18	Low Dose PET Image Reconstruction with Total Variation Using Alternating Direction Method. PLoS ONE, 2016, 11, e0166871.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Reconstruction for 3D PET Based on Total Variation Constrained Direct Fourier Method. PLoS ONE, 2015, 10, e0138483.	2.5	3
20	Sparse/Low Rank Constrained Reconstruction for Dynamic PET Imaging. PLoS ONE, 2015, 10, e0142019.	2.5	2
21	Concurrent bias correction in hemodynamic data assimilation. Medical Image Analysis, 2012, 16, 1456-1464.	11.6	3
22	Exploiting Magnetic Resonance Angiography Imaging Improves Model Estimation of BOLD Signal. PLoS ONE, 2012, 7, e31612.	2.5	8
23	<i>Maximum a Posteriori</i> Strategy for the Simultaneous Motion and Material Property Estimation of the Heart. IEEE Transactions on Biomedical Engineering, 2009, 56, 378-389.	4.2	25
24	Computational Complexity Reduction for Volumetric Cardiac Deformation Recovery. Journal of Signal Processing Systems, 2009, 55, 281-296.	2.1	5
25	Dynamic Dual-Tracer PET Reconstruction. Lecture Notes in Computer Science, 2009, 21, 38-49.	1.3	23