

Ju-Chieh Kevin Cheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A 4-D Iterative HYPR Denoising Operator Improves PET Image Quality. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 641-655.	3.7	2
2	A Monte Carlo approach for improving transient dopamine release detection sensitivity. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 116-131.	4.3	8
3	Cross-validation study between the HRRT and the PET component of the SIGNA PET/MRI system with focus on neuroimaging. EJNMMI Physics, 2021, 8, 20.	2.7	8
4	Use of a Tracer-Specific Deep Artificial Neural Net to Denoise Dynamic PET Images. IEEE Transactions on Medical Imaging, 2020, 39, 366-376.	8.9	18
5	Detection of transient neurotransmitter response using personalized neural networks. Physics in Medicine and Biology, 2020, 65, 235004.	3.0	4
6	Imaging in Neurodegeneration: Movement Disorders. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 262-274.	3.7	4
7	A Monte Carlo approach for boosting transient dopamine release detection sensitivity. , 2019, , .		0
8	Denoising and DA release: application of the 4D denoised reconstruction HYPR4D-K-OSEM. , 2019, , .		0
9	Dynamic PET Reconstruction Utilizing a Spatiotemporal 4D De-noising Kernel. , 2018, , .		2
10	Denoising and DA release: effect of denoising on the ability to identify voxel-level neurophysiological response. , 2018, , .		2
11	Incorporating HYPR de-noising within iterative PET reconstruction (HYPR-OSEM). Physics in Medicine and Biology, 2017, 62, 6666-6687.	3.0	19
12	Investigation of practical initial attenuation image estimates in TOF-MLAA reconstruction for PET/MR. Medical Physics, 2016, 43, 4163-4173.	3.0	11
13	Evaluation of the accuracy of the average Mu-values within patients from MR derived Mu-maps. , 2015, , .		0
14	Effects of boundary conditions in TOF-MLAA reconstruction for PET/MR. , 2015, , .		0
15	Evaluation of a more optimal initial attenuation image estimate in TOF-MLAA for PET/MR. , 2015, , .		0
16	Evaluation of the Effect of Magnetic Field on PET Spatial Resolution and Contrast Recovery Using Clinical PET Scanners and EGSnrc Simulations. IEEE Transactions on Nuclear Science, 2015, 62, 101-110.	2.0	6
17	Magnetic field and PET: Does the effect of magnetic field vary with the intrinsic resolution of PET scanners?. , 2014, , .		1
18	Latest advance in the scatter calibration and combining the scatter calibration with a practical scatter and random approximation technique for dynamic brain imaging in high resolution PET. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
19	A scatter-corrected list-mode reconstruction and a practical scatter/random approximation technique for dynamic PET imaging. <i>Physics in Medicine and Biology</i> , 2007, 52, 2089-2106.	3.0	16
20	A Global and a segmented plane scatter calibration: improving the quantitative accuracy of frames with high random fraction and/or low number of counts in dynamic high resolution PET brain imaging. , 2007, , .		2
21	Investigation of Subject Motion Encountered During a Typical Positron Emission Tomography Scan. , 2006, , .		13
22	Improved Noise Propagation in Statistical Image Reconstruction with Resolution Modeling. , 0, , .		17