

Timothy W Deller

List of Publications by Year in descending order

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papers

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840119

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23
times ranked

848
citing authors

#	ARTICLE	IF	CITATIONS
1	PET image reconstruction using physical and mathematical modelling for time of flight PET-MR scanners in the STIR library. <i>Methods</i> , 2021, 185, 110-119.	1.9	16
2	Ultra-Fast List-Mode Reconstruction of Short PET Frames and Example Applications. <i>Journal of Nuclear Medicine</i> , 2021, 62, 287-292.	2.8	26
3	PET Image Quality Improvement for Simultaneous PET/MRI with a Lightweight MRI Surface Coil. <i>Radiology</i> , 2021, 298, 166-172.	3.6	6
4	Real-Time Gain Control of PET Detectors and Evaluation With Challenging Radionuclides. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 71-80.	5.4	0
5	Optimizing the frame duration for data-driven rigid motion estimation in brain PET imaging. <i>Medical Physics</i> , 2021, 48, 3031-3041.	1.6	9
6	A solution to PET brain motion artefact. <i>Journal of Neurology</i> , 2021, 268, 3476-3477.	1.8	3
7	Quantitative and Qualitative Improvement of Low-Count [68Ga]Citrate and [90Y]Microspheres PET Image Reconstructions Using Block Sequential Regularized Expectation Maximization Algorithm. <i>Molecular Imaging and Biology</i> , 2020, 22, 208-216.	1.3	16
8	NEMA NU 2-2007 performance characteristics of GE Signa integrated PET/MR for different PET isotopes. <i>EJNMMI Physics</i> , 2019, 6, 11.	1.3	21
9	Maximum Likelihood Estimation of the Geometric Sensitivities in PET. , 2019, , .		0
10	Accelerated Regularised List-Mode PET Reconstruction Using Subset Relaxation. , 2019, , .		2
11	Effect of Image Noise on Registration in PET Brain Imaging. , 2019, , .		2
12	Image-derived input function estimation on a TOF-enabled PET/MR for cerebral blood flow mapping. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 126-135.	2.4	49
13	PET Imaging Stability Measurements During Simultaneous Pulsing of Aggressive MR Sequences on the SIGNA PET/MR System. <i>Journal of Nuclear Medicine</i> , 2018, 59, 167-172.	2.8	14
14	Scatter Artifact with Ga-68-PSMA-11 PET: Severity Reduced With Furosemide Diuresis and Improved Scatter Correction. <i>Molecular Imaging</i> , 2018, 17, 153601211881174.	0.7	6
15	Clinical Evaluation of ⁶⁸ Ga-PSMA-II and ⁶⁸ Ga-RM2 PET Images Reconstructed With an Improved Scatter Correction Algorithm. <i>American Journal of Roentgenology</i> , 2018, 211, 655-660.	1.0	22
16	Joint estimation of activity and attenuation: Application to non-FDG TOF PET/MR clinical data. , 2016, , .		1
17	NEMA NU 2-2012 performance studies for the SiPM-based ToF-PET component of the GE SIGNA PET/MR system. <i>Medical Physics</i> , 2016, 43, 2334-2343.	1.6	207
18	MR Performance Comparison of a PET/MR System Before and After SiPM-Based Time-of-Flight PET Detector Insertion. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 2419-2423.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Design Features and Mutual Compatibility Studies of the Time-of-Flight PET Capable GE SIGNA PET/MR System. IEEE Transactions on Medical Imaging, 2016, 35, 1907-1914.	5.4	156
20	Dose Optimization in TOF-PET/MR Compared to TOF-PET/CT. PLoS ONE, 2015, 10, e0128842.	1.1	30
21	Characterization of the impact to PET quantification and image quality of an anterior array surface coil for PET/MR imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 149-159.	1.1	26
22	Scatter Limitation to Correct for Arm Movement in PET/CT. Clinical Nuclear Medicine, 2012, 37, 786-787.	0.7	6