

Ahmadreza Rezaei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7106165/publications.pdf>

Version: 2024-02-01

42
papers

1,231
citations

471509

17
h-index

552781

26
g-index

42
all docs

42
docs citations

42
times ranked

998
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Reconstruction of Activity and Attenuation in Time-of-Flight PET. IEEE Transactions on Medical Imaging, 2012, 31, 2224-2233.	8.9	224
2	Time-of-flight PET data determine the attenuation sinogram up to a constant. Physics in Medicine and Biology, 2012, 57, 885-899.	3.0	222
3	Simultaneous reconstruction of activity and attenuation in Time-of-Flight PET. , 2011, , .		119
4	ML-Reconstruction for TOF-PET With Simultaneous Estimation of the Attenuation Factors. IEEE Transactions on Medical Imaging, 2014, 33, 1563-1572.	8.9	93
5	Use of Multimodal Imaging and Clinical Biomarkers in Presymptomatic Carriers of <i>C9orf72</i> Repeat Expansion. JAMA Neurology, 2020, 77, 1008.	9.0	45
6	Transmission-less attenuation correction in time-of-flight PET: analysis of a discrete iterative algorithm. Physics in Medicine and Biology, 2014, 59, 1073-1095.	3.0	41
7	Evaluation of Parallel Level Sets and Bowsher's Method as Segmentation-Free Anatomical Priors for Time-of-Flight PET Reconstruction. IEEE Transactions on Medical Imaging, 2018, 37, 590-603.	8.9	41
8	Characterization of a preclinical PET insert in a 7 tesla MRI scanner: beyond NEMA testing. Physics in Medicine and Biology, 2020, 65, 245016.	3.0	39
9	Regional Accuracy of ZTE-Based Attenuation Correction in Static [18F]FDG and Dynamic [18F]PE2I Brain PET/MR. Frontiers in Physics, 2019, 7, .	2.1	38
10	Quantitative PET in the 2020s: a roadmap. Physics in Medicine and Biology, 2021, 66, 06RM01.	3.0	36
11	Approximating anatomically-guided PET reconstruction in image space using a convolutional neural network. NeuroImage, 2021, 224, 117399.	4.2	29
12	Joint Reconstruction of Activity and Attenuation in Time-of-Flight PET: A Quantitative Analysis. Journal of Nuclear Medicine, 2018, 59, 1630-1635.	5.0	26
13	A Quantitative Evaluation of Joint Activity and Attenuation Reconstruction in TOF PET/MR Brain Imaging. Journal of Nuclear Medicine, 2019, 60, 1649-1655.	5.0	26
14	Optimized MLAA for quantitative non-TOF PET/MR of the brain. Physics in Medicine and Biology, 2016, 61, 8854-8874.	3.0	25
15	Simultaneous reconstruction of the activity image and registration of the CT image in TOF-PET. Physics in Medicine and Biology, 2016, 61, 1852-1874.	3.0	25
16	Moving Toward Multicenter Therapeutic Trials in Amyotrophic Lateral Sclerosis: Feasibility of Data Pooling Using Different Translocator Protein PET Radioligands. Journal of Nuclear Medicine, 2020, 61, 1621-1627.	5.0	22
17	Feasibility Study of a Small Animal PET Insert Based on a Single LYSO Monolithic Tube. Frontiers in Medicine, 2018, 5, 328.	2.6	20
18	Reconstruction of uniform sensitivity emission image with partially known axial attenuation information in PET-CT scanners. , 2012, , .		17

#	ARTICLE	IF	CITATIONS
19	Comparative Study of Iodine-123-Labeled Hypericin and 99mTc-Labeled Hexakis [2-Methoxy Isobutyl Isonitrile] in a Rabbit Model of Myocardial Infarction. Journal of Cardiovascular Pharmacology, 2013, 62, 304-311.	1.9	17
20	The Validation Problem of Joint Emission/Transmission Reconstruction From TOF-PET Projections. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 273-278.	3.7	16
21	ML-reconstruction for TOF-PET with simultaneous estimation of the attenuation factors. , 2012, , .		14
22	Plane-dependent ML scatter scaling: 3D extension of the 2D simulated single scatter (SSS) estimate. Physics in Medicine and Biology, 2017, 62, 6515-6531.	3.0	13
23	Estimation of Crystal Timing Properties and Efficiencies for the Improvement of (Joint) Maximum-Likelihood Reconstructions in TOF-PET. IEEE Transactions on Medical Imaging, 2020, 39, 952-963.	8.9	12
24	Regional glucose metabolic decreases with ageing are associated with microstructural white matter changes: a simultaneous PET/MR study. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 664-680.	6.4	10
25	ML estimation of the scatter scaling in TOF PET. , 2014, , .		9
26	Time-of-flight PET time calibration using data consistency. Physics in Medicine and Biology, 2018, 63, 105006.	3.0	8
27	Experimental Validation of a Rodent PET Scanner Prototype Based on a Single LYSO Crystal Tube. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 697-706.	3.7	8
28	Long-term Ashtanga yoga practice decreases medial temporal and brainstem glucose metabolism in relation to years of experience. EJNMMI Research, 2020, 10, 50.	2.5	7
29	Data driven time alignment for TOF-PET. , 2017, , .		6
30	Rigid motion tracking using moments of inertia in TOF-PET brain studies. Physics in Medicine and Biology, 2021, 66, 184001.	3.0	5
31	Analytic reconstruction of the attenuation from 3D time-of-flight PET data. , 2012, , .		3
32	Simultaneous reconstruction of the activity image and registration of the CT image in TOF-PET. , 2013, , .		3
33	Joint activity and attenuation reconstruction of listmode TOF-PET data. , 2015, , .		3
34	Estimation of crystal timings in TOF-PET. , 2018, , .		3
35	2-D Feasibility Study of Joint Reconstruction of Attenuation and Activity in Limited Angle TOF-PET. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 712-722.	3.7	2
36	Joint registration of attenuation and activity images in gated TOF-PET. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
37	Reconstruction of a motion and attenuation corrected activity distribution in gated TOF-PET. , 2014, , .		1
38	Plane-dependent ML scatter scaling: 3D extension of the 2D simulated single scatter estimate. , 2016, , .		1
39	Rigid Motion Tracking using Moments of Inertia in TOF-PET Brain Studies. , 2020, , .		1
40	Rigid motion correction of PET and CT for PET/CT brain imaging. , 2015, , .		0
41	An approach for a reconstruction-derived whole-blood arterial input function (RDIF) in PET/MRI. , 2018, , .		0
42	Maximum Likelihood Estimation of the Geometric Sensitivities in PET. , 2019, , .		0