Jorge Cabello

List of Publications by Year
in descending order

22	593	933447
papers	citations	10
		h-index

1125743
13
g-index

23	23	23	1022
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A multi-centre evaluation of eleven clinically feasible brain PET/MRI attenuation correction techniques using a large cohort of patients. NeuroImage, 2017, 147, 346-359.	4.2	200
2	MR-Based Attenuation Correction Using Ultrashort-Echo-Time Pulse Sequences in Dementia Patients. Journal of Nuclear Medicine, 2015, 56, 423-429.	5.0	58
3	Digital autoradiography using room temperature CCD and CMOS imaging technology. Physics in Medicine and Biology, 2007, 52, 4993-5011.	3.0	52
4	PET performance evaluation of MADPET4: a small animal PET insert for a 7 T MRI scanner. Physics in Medicine and Biology, 2017, 62, 8671-8692.	3.0	47
5	Advances in PET/MR instrumentation and image reconstruction. British Journal of Radiology, 2018, 91, 20160363.	2.2	47
6	Initial Results of the MINDView PET Insert Inside the 3T mMR. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 343-351.	3.7	47
7	FastPET: Near Real-Time Reconstruction of PET Histo-Image Data Using a Neural Network. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 65-77.	3.7	33
8	Comparison of basis functions for 3D PET reconstruction using a Monte Carlo system matrix. Physics in Medicine and Biology, 2012, 57, 1759-1777.	3.0	29
9	Comparison between MRI-based attenuation correction methods for brain PET in dementia patients. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2190-2200.	6.4	27
10	The spatial resolution of silicon-based electron detectors in β-autoradiography. Physics in Medicine and Biology, 2010, 55, 1677-1699.	3.0	15
11	Application of Artificial Neural Network for Reducing Random Coincidences in PET. IEEE Transactions on Nuclear Science, 2013, 60, 3399-3409.	2.0	8
12	Development of a PET prototype with continuous LYSO crystals and monolithic SiPM matrices. , 2011, , .		6
13	First PET imaging results with continuous LYSO crystals and monolithic, 64-pixel SiPM matrices. , 2010, , .		5
14	Second LaBr<inf>3</inf> compton telescope prototype. , 2013, , .		5
15	Impact of non-uniform attenuation correction in a dynamic [18F]-FDOPA brain PET/MRI study. EJNMMI Research, 2019, 9, 77.	2.5	5
16	Monte Carlo Simulation of Scatter Field for Calculation of Contrast of Discs in Synthetic CDMAM Images. Lecture Notes in Computer Science, 2010, , 628-635.	1.3	5
17	Simulation study of Resistive-Plate-Chambers based PET for hadron-therapy monitoring. , 2011, , .		2
18	Detectors based on silicon photomultiplier arrays for medical imaging applications. , 2011, , .		1

#	Article	IF	Citations
19	Using spherical basis functions on a polar grid for iterative image reconstruction in small animal PET. , 2011, , .		1
20	Studies for performance improvement of a small animal PET prototype based on continuous LYSO crystals and SiPM matrices. , 2012, , .		0
21	Electronics upgrade and crystal geometry optimization for a sub-millimeter small animal PET based on continuous crystals and SiPMs. , 2013, , .		0
22	The application of the axial PET concept to novel imaging scenarios. , 2013, , .		0