Junwei Du

List of Publications by Year
in descending order

20	318	932766 10	839053 18
papers	citations	h-index	g-index

20	20	20	225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance of Dual-Ended Readout PET Detectors Based on BGO Arrays and BaSOâ„„ Reflector. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 522-528.	2.7	3
2	Study of ÄŒerenkov Light Emission in the Semiconductors TlBr and TlCl for TOF-PET. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 630-637.	2.7	25
3	Evaluation of Two SiPM Arrays for Depth-Encoding PET Detectors Based on Dual-Ended Readout. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 315-321.	2.7	8
4	Energy and electron drift time measurements in a pixel CCI TlBr detector with 1.3 MeV prompt-gammas. Physics in Medicine and Biology, 2021, 66, 044001.	1.6	7
5	H²RSPET: a 0.5 mm resolution high-sensitivity small-animal PET scanner, a simulation study. Physics in Medicine and Biology, 2021, 66, 065016.	1.6	12
6	Performance evaluation of dual-ended readout PET detectors based on BGO arrays with different reflector arrangements. Physics in Medicine and Biology, 2021, 66, 215001.	1.6	5
7	A depth-encoding PET detector for high resolution PET using 1 mm SiPMs. Physics in Medicine and Biology, 2020, 65, 165011.	1.6	7
8	Design and performance of SIAT aPET: a uniform high-resolution small animal PET scanner using dual-ended readout detectors. Physics in Medicine and Biology, 2020, 65, 235013.	1.6	38
9	Performance comparison of dual-ended readout depth-encoding PET detectors based on BGO and LYSO crystals. Physics in Medicine and Biology, 2020, 65, 235030.	1.6	21
10	Performance of long rectangular semiâ€monolithic scintillator PET detectors. Medical Physics, 2019, 46, 1608-1619.	1.6	20
11	Dual-ended readout small animal PET detector by using 0.5Âmm pixelated LYSO crystal arrays and SiPMs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 917, 1-8.	0.7	41
12	Improving edge crystal identification in flood histograms using triangular shape crystals. Biomedical Physics and Engineering Express, 2018, 4, 025031.	0.6	6
13	Performance of a high-resolution depth-encoding PET detector module using linearly-graded SiPM arrays. Physics in Medicine and Biology, 2018, 63, 035035.	1.6	38
14	Development of depth encoding small animal <scp>PET</scp> detectors using dualâ€ended readout of pixelated scintillator arrays with Si<scp>PM</scp>s. Medical Physics, 2018, 45, 613-621.	1.6	40
15	A depth-of-interaction encoding PET detector module with dual-ended readout using large-area silicon photomultiplier arrays. Physics in Medicine and Biology, 2018, 63, 245019.	1.6	15
16	Shared-photodetector readout to improve the sensitivity of positron emission tomography. Physics in Medicine and Biology, 2018, 63, 205002.	1.6	4
17	Orthogonal Strip TlBr Detectors for PET. , 2017, , .		0
18	Open-field mouse brain PET: Design considerations and detector development. , 2015, , .		0

#	Article	IF	Citations
19	Evaluation of Matrix9 silicon photomultiplier array for smallâ€animal PET. Medical Physics, 2015, 42, 585-599.	1.6	21
20	A Study of Position-Sensitive Solid-State Photomultiplier Signal Properties. IEEE Transactions on Nuclear Science, 2014, 61, 1074-1083.	1.2	7