

Junwei Du

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

318
citations

932766

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839053

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20
docs citations

20
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-ended readout small animal PET detector by using 0.5Åmm 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
2	Development of depth encoding small animal <sc>PET</sc> detectors using dual-ended readout of pixelated scintillator arrays with Si<sc>PM</sc>s. Medical Physics, 2018, 45, 613-621.	1.6	40
3	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
4	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
5	Study of Åerenkov 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
6	Evaluation of Matrix9 silicon photomultiplier array for small animal PET. Medical Physics, 2015, 42, 585-599.	1.6	21
7	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
8	Performance of long rectangular semi-monolithic scintillator PET detectors. Medical Physics, 2019, 46, 1608-1619.	1.6	20
9	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
10	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
11	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
12	A Study of Position-Sensitive Solid-State Photomultiplier Signal Properties. IEEE Transactions on Nuclear Science, 2014, 61, 1074-1083.	1.2	7
13	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
14	A depth-encoding PET detector for high resolution PET using 1 mm SiPMs. Physics in Medicine and Biology, 2020, 65, 165011.	1.6	7
15	Improving edge crystal identification in flood histograms using triangular shape crystals. Biomedical Physics and Engineering Express, 2018, 4, 025031.	0.6	6
16	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
17	Shared-photodetector readout to improve the sensitivity of positron emission tomography. Physics in Medicine and Biology, 2018, 63, 205002.	1.6	4
18	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

#	ARTICLE	IF	CITATIONS
19	Open-field mouse brain PET: Design considerations and detector development. , 2015, , .		0
20	Orthogonal Strip TlBr Detectors for PET. , 2017, , .		0