

Jeong-Whan Son

List of Publications by Year in descending order

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papers

273
citations

1163117

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1474206

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10
times ranked

280
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Phase Tapped-Delay-Line Time-to-Digital Converter With On-the-Fly Calibration Implemented in 40 nm FPGA. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 231-242.	4.0	75
2	Evaluation of a silicon photomultiplier PET insert for simultaneous PET and MR imaging. Medical Physics, 2015, 43, 72-83.	3.0	49
3	Development and Initial Results of a Brain PET Insert for Simultaneous 7-Tesla PET/MRI Using an FPGA-Only Signal Digitization Method. IEEE Transactions on Medical Imaging, 2021, 40, 1579-1590.	8.9	36
4	A depth-of-interaction PET detector using a stair-shaped reflector arrangement and a single-ended scintillation light readout. Physics in Medicine and Biology, 2017, 62, 465-483.	3.0	30
5	SimPET: a Preclinical PET Insert for Simultaneous PET/MR Imaging. Molecular Imaging and Biology, 2020, 22, 1208-1217.	2.6	22
6	Proof-of-concept prototype time-of-flight PET system based on high-quantum-efficiency multianode PMTs. Medical Physics, 2017, 44, 5314-5324.	3.0	21
7	Performance Evaluation of SimPET-X, a PET Insert for Simultaneous Mouse Total-Body PET/MR Imaging. Molecular Imaging and Biology, 2021, 23, 703-713.	2.6	14
8	Development and Performance Evaluation of a Time-of-Flight Positron Emission Tomography Detector Based on a High-Quantum-Efficiency Multi-Anode Photomultiplier Tube. IEEE Transactions on Nuclear Science, 2016, 63, 44-51.	2.0	13
9	Comparator-less PET data acquisition system using single-ended memory interface input receivers of FPGA. Physics in Medicine and Biology, 2020, 65, 155007.	3.0	8
10	Evaluation of a FPGA-based Real-Time Coincidence System for High Count Rate PET Scanners. , 2017, , .		5