

Yiping Shao

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

413
citations

840119

11
h-index

940134

16
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28
all docs

28
docs citations

28
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time marker-less tumor tracking with TOF PET: in silico feasibility study. <i>Physics in Medicine and Biology</i> , 2022, , .	1.6	0
2	Field-programable-gate-array-based distributed coincidence processor for high count-rate online positron emission tomography coincidence data acquisition. <i>Physics in Medicine and Biology</i> , 2021, 66, 055009.	1.6	4
3	Experimental and numerical studies on kV scattered x-ray imaging for real-time image guidance in radiation therapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 045022.	1.6	2
4	A compact and lightweight small animal PET with uniform high-resolution for onboard PET/CT image-guided preclinical radiation oncology research. <i>Physics in Medicine and Biology</i> , 2021, 66, 215003.	1.6	4
5	Novel Online PET Imaging for Intrabeam Range Verification and Delivery Optimization: A Simulation Feasibility Study. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 212-217.	2.7	5
6	Carbon-11 and Carbon-12 beam range verifications through prompt gamma and annihilation gamma measurements: Monte Carlo simulations. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 065013.	0.6	1
7	Design and development of a compact high-resolution detector for PET insert in small animal irradiator. , 2020, , .		2
8	A High-performance Onboard Small Animal PET for Preclinical Radiotherapy Research. , 2020, , .		0
9	Ultra-High Throughput PET Coincidence Processor based on Scatter-Gather Hierarchy. , 2020, , .		0
10	Dual-Polarity SiPM Readout Electronics Based on 1-bit Sigma-Delta Modulation Circuit for PET Detector Applications. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 2107-2113.	1.2	14
11	Monte Carlo Simulation Study of Annihilation Gamma Yield from C-11 and C-12 Irradiation in Water and PMMA Phantoms. , 2019, , .		0
12	Initial Performance Evaluation of a Compact Add-on PET Scanner for Small Animal PET/CT/RT: A Rotating Dual Detector Panel Study. , 2019, , .		2
13	Comparison of Prompt Gamma Yield from C-11 and C-12 Ion Beams Using Monte Carlo Simulation. , 2018, , .		0
14	Performance comparison of two SiPM arrays with matrix or row/column output electrodes for PET and radiation detector applications. , 2018, , .		2
15	Mid-range probing towards range-guided particle therapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 13NT01.	1.6	4
16	B-Cell Lymphoma Patient-Derived Xenograft Models Enable Drug Discovery and Are a Platform for Personalized Therapy. <i>Clinical Cancer Research</i> , 2017, 23, 4212-4223.	3.2	49
17	Design, development and evaluation of a resistor-based multiplexing circuit for a 20Å–20 SiPM array. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 816, 40-46.	0.7	15
18	Integrating Murine and Clinical Trials with Cabozantinib to Understand Roles of MET and VEGFR2 as Targets for Growth Inhibition of Prostate Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 107-121.	3.2	44

#	ARTICLE	IF	CITATIONS
19	The cell cycle regulator 14-3-3 β opposes and reverses cancer metabolic reprogramming. Nature Communications, 2015, 6, 7530.	5.8	65
20	MOFA-CAMPUS-03: Development of a Human Brain PET for On-Line Proton Beam-Range Verification. Medical Physics, 2015, 42, 3582-3582.	1.6	0
21	Development of a prototype PET scanner with depth-of-interaction measurement using solid-state photomultiplier arrays and parallel readout electronics. Physics in Medicine and Biology, 2014, 59, 1223-1238.	1.6	40
22	In-beam PET imaging for on-line adaptive proton therapy: an initial phantom study. Physics in Medicine and Biology, 2014, 59, 3373-3388.	1.6	40
23	Imaging performance of DOI measurable PET systems for breast imaging: Monte Carlo simulation studies. , 2012, , .		0
24	Use of internal scintillator radioactivity to calibrate DOI function of a PET detector with a dual-ended-scintillator readout. Medical Physics, 2012, 39, 777-787.	1.6	20
25	Investigation of crystal surface finish and geometry on single LYSO scintillator detector performance for depth-of-interaction measurement with silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 693, 236-243.	0.7	26
26	Development of an Eight-Channel Time-Based Readout ASIC for PET Applications. IEEE Transactions on Nuclear Science, 2011, 58, 3212-3218.	1.2	45
27	A modified spatial resolution formula for DOI-PET. , 2011, , .		4
28	A novel method to calibrate DOI function of a PET detector with a dual-ended-scintillator readout. Medical Physics, 2008, 35, 5829-5840.	1.6	25