

Min Sun Lee

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

559
citations

567281

15
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642732

23
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26
all docs

26
docs citations

26
times ranked

616
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Multiparametric PET/MRI with Silicon Photomultiplier PET and Ultra-High-Field MRI for Small-Animal Imaging. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1309-1315.	5.0	64
2	Continuous depth-of-interaction measurement in a single-layer pixelated crystal array using a single-ended readout. <i>Physics in Medicine and Biology</i> , 2013, 58, 1269-1282.	3.0	61
3	Deep-dose: a voxel dose estimation method using deep convolutional neural network for personalized internal dosimetry. <i>Scientific Reports</i> , 2019, 9, 10308.	3.3	61
4	Evaluation of a silicon photomultiplier PET insert for simultaneous PET and MR imaging. <i>Medical Physics</i> , 2015, 43, 72-83.	3.0	49
5	Whole-Body Voxel-Based Personalized Dosimetry: The Multiple Voxel S-Value Approach for Heterogeneous Media with Nonuniform Activity Distributions. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1133-1139.	5.0	40
6	Enzyme-Driven Hasselback-Like DNA-Based Inorganic Superstructures. <i>Advanced Functional Materials</i> , 2017, 27, 1704213.	14.9	33
7	A depth-of-interaction PET detector using a stair-shaped reflector arrangement and a single-ended scintillation light readout. <i>Physics in Medicine and Biology</i> , 2017, 62, 465-483.	3.0	30
8	Depth-of-interaction measurement in a single-layer crystal array with a single-ended readout using digital silicon photomultiplier. <i>Physics in Medicine and Biology</i> , 2015, 60, 6495-6514.	3.0	29
9	Scalable electronic readout design for a 100 ps coincidence time resolution TOF-PET system. <i>Physics in Medicine and Biology</i> , 2021, 66, 085005.	3.0	22
10	Proof-of-concept prototype time-of-flight PET system based on high-quantum-efficiency multianode PMTs. <i>Medical Physics</i> , 2017, 44, 5314-5324.	3.0	21
11	Prototype pre-clinical PET scanner with depth-of-interaction measurements using single-layer crystal array and single-ended readout. <i>Physics in Medicine and Biology</i> , 2017, 62, 3983-3996.	3.0	19
12	Recovery of inter-detector and inter-crystal scattering in brain PET based on LSO and GAGG crystals. <i>Physics in Medicine and Biology</i> , 2020, 65, 195005.	3.0	18
13	High-resolution time-of-flight PET detector with 100 ps coincidence time resolution using a side-coupled phoswich configuration. <i>Physics in Medicine and Biology</i> , 2021, 66, 125007.	3.0	18
14	Preclinical voxel-based dosimetry through GATE Monte Carlo simulation using PET/CT imaging of mice. <i>Physics in Medicine and Biology</i> , 2019, 64, 095007.	3.0	15
15	[18F]CB251 PET/MR imaging probe targeting translocator protein (TSPO) independent of its Polymorphism in a Neuroinflammation Model. <i>Theranostics</i> , 2020, 10, 9315-9331.	10.0	15
16	Study of optical reflectors for a 100ps coincidence time resolution TOF-PET detector design. <i>Biomedical Physics and Engineering Express</i> , 2021, 7, 065008.	1.2	15
17	Novel inter-crystal scattering event identification method for PET detectors. <i>Physics in Medicine and Biology</i> , 2018, 63, 115015.	3.0	13
18	Preclinical Voxel-Based Dosimetry in Theranostics: a Review. <i>Nuclear Medicine and Molecular Imaging</i> , 2020, 54, 86-97.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Experimental validation of a coincidence time resolution metric including depth-of-interaction bias for TOF-PET. <i>Physics in Medicine and Biology</i> , 2020, 65, 245004.	3.0	8
20	Comparison of voxel S-value methods for personalized voxel-based dosimetry of ¹⁷⁷ Lu- ⁶⁷ Ge-DOTATATE. <i>Medical Physics</i> , 2022, 49, 1888-1901.	3.0	7
21	Systematic study on factors influencing the performance of interdetector scatter recovery in small animal PET. <i>Medical Physics</i> , 2018, 45, 3551-3562.	3.0	5
22	Performance Evaluation and Quantitative Accuracy of Multipinhole NanoSPECT/CT Scanner for Theranostic Lu-177 Imaging. <i>Journal of the Korean Physical Society</i> , 2018, 72, 1379-1386.	0.7	5
23	Simultaneous Dual Isotope ToF-PET Imaging. , 2019, , .		0
24	Efficacy of voxel-based dosimetry map for predicting response to trans-arterial radioembolization therapy for hepatocellular carcinoma. <i>Nuclear Medicine Communications</i> , 2021, Publish Ahead of Print, 1396-1403.	1.1	0