Han Gyoo Kang

List of Publications by Year
in descending order

16 papers	227 citations	1039406 9 h-index	1058022 14 g-index
17 all docs	17 docs citations	17 times ranked	216 citing authors

#	Article	IF	Citations
1	A Dual-Ended Readout Detector Using a Meantime Method for SiPM TOF-DOI PET. IEEE Transactions on Nuclear Science, 2015, 62, 1935-1943.	1.2	46
2	SiPM-PET with a short optical fiber bundle for simultaneous PET-MR imaging. Physics in Medicine and Biology, 2012, 57, 3869-3883.	1.6	42
3	Crystal surface and reflector optimization for the SiPM-based dual-ended readout TOF-DOI PET detector. Biomedical Physics and Engineering Express, 2020, 6, 065028.	0.6	23
4	A feasibility study of an integrated <scp>NIR</scp>/gamma/visible imaging system for endoscopic sentinel lymph node mapping. Medical Physics, 2017, 44, 227-239.	1.6	21
5	Proof-of-concept of a multimodal laparoscope for simultaneous NIR/gamma/visible imaging using wavelength division multiplexing. Optics Express, 2018, 26, 8325.	1.7	16
6	A staggered 3-layer DOI PET detector using $BaSO_4$ reflector for enhanced crystal identification and inter-crystal scattering event discrimination capability. Biomedical Physics and Engineering Express, 2021, 7, 035018.	0.6	13
7	Performance evaluation of a staggered three-layer DOI PET detector using a 1 mm LYSO pitch with PETsys TOFPET2 ASIC: comparison of HAMAMATSU and KETEK SiPMs. Physics in Medicine and Biology, 2021, 66, 125016.	1.6	13
8	Influence of momentum acceptance on range monitoring of 11C and 15O ion beams using in-beam PET. Physics in Medicine and Biology, 2020, 65, 125006.	1.6	10
9	SiPM-based gamma detector with a central GRIN lens for a visible/NIRF/gamma multi-modal laparoscope. Optics Express, 2021, 29, 2364.	1.7	9
10	Initial results of a mouse brain PET insert with a staggered 3-layer DOI detector. Physics in Medicine and Biology, 2021, 66, 215015.	1.6	9
11	Optical imaging for the characterization of radioactive carbon and oxygen ion beams. Physics in Medicine and Biology, 2019, 64, 115009.	1.6	8
12	Optimization of GFAG crystal surface treatment for SiPM based TOF PET detector. Biomedical Physics and Engineering Express, 2022, 8, 025025.	0.6	8
13	Lens implementation on the GATE Monte Carlo toolkit for optical imaging simulation. Journal of Biomedical Optics, 2018, 23, 1.	1.4	5
14	Optimization of a Light Guide for High Resolution PET Detectors Using GATE Optical Simulation. , 2018, , .		3
15	Energy spread estimation of radioactive oxygen ion beams using optical imaging. Physics in Medicine and Biology, 2020, 65, 235002.	1.6	1
16	A Feasibility Study of a SiPM Based Intraoperative Beta Imaging/Gamma Probe using the Depth of Interaction Measurement. Journal of Biomedical Engineering Research, 2016, 37, 7-14.	0.1	0