

Han Gyoo Kang

List of Publications by Year in descending order

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papers

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17
docs citations

17
times ranked

216
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of GFAG crystal surface treatment for SiPM based TOF PET detector. Biomedical Physics and Engineering Express, 2022, 8, 025025.	0.6	8
2	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
3	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
4	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
5	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
6	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
7	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
8	Energy spread estimation of radioactive oxygen ion beams using optical imaging. Physics in Medicine and Biology, 2020, 65, 235002.	1.6	1
9	Optical imaging for the characterization of radioactive carbon and oxygen ion beams. Physics in Medicine and Biology, 2019, 64, 115009.	1.6	8
10	Optimization of a Light Guide for High Resolution PET Detectors Using GATE Optical Simulation. , 2018, , ,		3
11	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
12	Lens implementation on the GATE Monte Carlo toolkit for optical imaging simulation. Journal of Biomedical Optics, 2018, 23, 1.	1.4	5
13	A feasibility study of an integrated <sc>NIR</sc>/gamma/visible imaging system for endoscopic sentinel lymph node mapping. Medical Physics, 2017, 44, 227-239.	1.6	21
14	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
15	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
16	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