

Eiji Yoshida

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9225485/eiji-yoshida-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

678

citations

14

h-index

25

g-index

39

ext. papers

907

ext. citations

3

avg, IF

3.67

L-index

#	Paper	IF	Citations
38	A proposal of an open PET geometry. <i>Physics in Medicine and Biology</i> , 2008 , 53, 757-73	3.8	99
37	Development of a small prototype for a proof-of-concept of OpenPET imaging. <i>Physics in Medicine and Biology</i> , 2011 , 56, 1123-37	3.8	84
36	A single-ring OpenPET enabling PET imaging during radiotherapy. <i>Physics in Medicine and Biology</i> , 2012 , 57, 4705-18	3.8	72
35	A SiPM-based isotropic-3D PET detector X'tal cube with a three-dimensional array of 1 mm(3) crystals. <i>Physics in Medicine and Biology</i> , 2011 , 56, 6793-807	3.8	68
34	Development of a small single-ring OpenPET prototype with a novel transformable architecture. <i>Physics in Medicine and Biology</i> , 2016 , 61, 1795-809	3.8	41
33	Development of a Whole-Body Dual Ring OpenPET for in-Beam PET. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2017 , 1, 293-300	4.2	30
32	Whole gamma imaging: a new concept of PET combined with Compton imaging. <i>Physics in Medicine and Biology</i> , 2020 , 65, 125013	3.8	24
31	Development of the X'tal Cube: A 3D Position-Sensitive Radiation Detector With All-Surface MPPC Readout. <i>IEEE Transactions on Nuclear Science</i> , 2012 , 59, 462-468	1.7	22
30	Performance evaluation of a depth-of-interaction detector by use of position-sensitive PMT with a super-bialkali photocathode. <i>Radiological Physics and Technology</i> , 2014 , 7, 57-66	1.7	20
29	Annihilation photon acollinearity in PET: volunteer and phantom FDG studies. <i>Physics in Medicine and Biology</i> , 2007 , 52, 5249-61	3.8	20
28	Performance evaluation of a whole-body prototype PET scanner with four-layer DOI detectors. <i>Physics in Medicine and Biology</i> , 2019 , 64, 095014	3.8	19
27	First prototyping of a dedicated PET system with the hemisphere detector arrangement. <i>Physics in Medicine and Biology</i> , 2019 , 64, 065004	3.8	17
26	Compartmental analysis of washout effect in rat brain: in-beam OpenPET measurement using a (11)C beam. <i>Physics in Medicine and Biology</i> , 2013 , 58, 8281-94	3.8	16
25	Production of an ¹⁵ O beam using a stable oxygen ion beam for in-beam PET imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 849, 76-82	1.2	15
24	Development of a single-ring OpenPET prototype. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 729, 800-808	1.2	12
23	245 ps-TOF brain-dedicated PET prototype with a hemispherical detector arrangement. <i>Physics in Medicine and Biology</i> , 2020 , 65, 145008	3.8	11
22	Potential for reducing the numbers of SiPM readout surfaces of laser-processed X'tal cube PET detectors. <i>Physics in Medicine and Biology</i> , 2013 , 58, 1361-74	3.8	10

21	Integrated treatment using intraperitoneal radioimmunotherapy and positron emission tomography-guided surgery with Cu-labeled cetuximab to treat early- and late-phase peritoneal dissemination in human gastrointestinal cancer xenografts. <i>Oncotarget</i> , 2018 , 9, 28935-28950	3.3	10
20	Range verification of radioactive ion beams of C and O using in-beam PET imaging. <i>Physics in Medicine and Biology</i> , 2019 , 64, 145014	3.8	9
19	X ^{tal} Cube PET Detector Composed of a Stack of Scintillator Plates Segmented by Laser Processing. <i>IEEE Transactions on Nuclear Science</i> , 2014 , 61, 53-59	1.7	8
18	Monte Carlo investigation of the characteristics of radioactive beams for heavy ion therapy. <i>Scientific Reports</i> , 2019 , 9, 6537	4.9	7
17	Reduction method for intrinsic random coincidence events from (176)Lu in low activity PET imaging. <i>Radiological Physics and Technology</i> , 2014 , 7, 235-45	1.7	7
16	Development of Single-Ended Readout DOI Detector With Quadrisedected Crystals. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020 , 4, 563-569	4.2	7
15	A Crosshair Light Sharing PET Detector With DOI and TOF Capabilities Using Four-to-One Coupling and Single-Ended Readout. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 5, 638-644	4.2	6
14	Comparative study of alternative Geant4 hadronic ion inelastic physics models for prediction of positron-emitting radionuclide production in carbon and oxygen ion therapy. <i>Physics in Medicine and Biology</i> , 2019 , 64, 155014	3.8	5
13	Development of a dual-end detector with TOF and DOI capabilities using crystal bars segmented by subsurface laser engraving. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 931, 236-241	1.2	5
12	Four-layered DOI-PET detector with quadrisedected top layer crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 933, 1-7	1.2	5
11	Parameter Optimization of a Digital Photon Counter Coupled to a Four-Layered DOI Crystal Block With Light Sharing. <i>IEEE Transactions on Nuclear Science</i> , 2015 , 62, 748-755	1.7	5
10	3D Compton image reconstruction method for whole gamma imaging. <i>Physics in Medicine and Biology</i> , 2020 , 65, 225038	3.8	5
9	Design study of a brain-dedicated time-of-flight PET system with a hemispherical detector arrangement. <i>Physics in Medicine and Biology</i> , 2020 , 65, 035012	3.8	5
8	Simulation design of a single-ring OpenPET for in-beam PET 2011 ,		4
7	Evaluation of a Hamamatsu TOF-PET Detector Module With 3.2-mm Pitch LFS Scintillators and a 256-Channel SiPM Array. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 5, 645-650	4.2	3
6	Dose quantification in carbon ion therapy using in-beam positron emission tomography. <i>Physics in Medicine and Biology</i> , 2020 , 65, 235052	3.8	2
5	Modified NEMA NU-2 performance evaluation methods for a brain-dedicated PET system with a hemispherical detector arrangement. <i>Biomedical Physics and Engineering Express</i> , 2019 , 6, 015012	1.5	2
4	Development of the X ^{tal} Cube PET Detector With Segments of (0.77 mm) ³ . <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018 , 2, 564-573	4.2	2

3	First imaging demonstration of a crosshair light-sharing PET detector. <i>Physics in Medicine and Biology</i> , 2021 , 66, 065013	3.8	1
2	Development of a Multiuse Human-Scale Single-Ring OpenPET System. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020 , 1-1	4.2	0
1	Gapless implementation of crosshair light-sharing PET detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022 , 1021, 165922	1.2	