

Marco Pinto

List of Publications by Citations

Source: <https://exaly.com/author-pdf/878133/marco-pinto-publications-by-citations.pdf>

Version: 2024-04-27

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.

37
papers

525
citations

13
h-index

22
g-index

45
ext. papers

653
ext. citations

3.1
avg. IF

3.22
L-index

#	Paper	IF	Citations
37	Development of a Compton camera for medical applications based on silicon strip and scintillation detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015 , 787, 98-101	1.2	66
36	Time-of-flight neutron rejection to improve prompt gamma imaging for proton range verification: a simulation study. <i>Physics in Medicine and Biology</i> , 2012 , 57, 6429-44	3.8	61
35	Design optimisation of a TOF-based collimated camera prototype for online hadrontherapy monitoring. <i>Physics in Medicine and Biology</i> , 2014 , 59, 7653-74	3.8	52
34	Real-time proton beam range monitoring by means of prompt-gamma detection with a collimated camera. <i>Physics in Medicine and Biology</i> , 2014 , 59, 1327-38	3.8	46
33	Absolute prompt-gamma yield measurements for ion beam therapy monitoring. <i>Physics in Medicine and Biology</i> , 2015 , 60, 565-94	3.8	37
32	CBCT correction using a cycle-consistent generative adversarial network and unpaired training to enable photon and proton dose calculation. <i>Physics in Medicine and Biology</i> , 2019 , 64, 225004	3.8	31
31	A cost-effective monitoring technique in particle therapy via uncollimated prompt gamma peak integration. <i>Applied Physics Letters</i> , 2017 , 110, 154102	3.4	30
30	Assessment and improvements of Geant4 hadronic models in the context of prompt-gamma hadrontherapy monitoring. <i>Physics in Medicine and Biology</i> , 2014 , 59, 1747-72	3.8	29
29	Collimated prompt gamma TOF measurements with multi-slit multi-detector configurations. <i>Journal of Instrumentation</i> , 2015 , 10, P01011-P01011	1	23
28	Dose reconstruction from PET images in carbon ion therapy: a deconvolution approach. <i>Physics in Medicine and Biology</i> , 2019 , 64, 025011	3.8	16
27	Assessment of Geant4 Prompt-Gamma Emission Yields in the Context of Proton Therapy Monitoring. <i>Frontiers in Oncology</i> , 2016 , 6, 10	5.3	15
26	Initial development of goCMC: a GPU-oriented fast cross-platform Monte Carlo engine for carbon ion therapy. <i>Physics in Medicine and Biology</i> , 2017 , 62, 3682-3699	3.8	14
25	Technical Note: Experimental carbon ion range verification in inhomogeneous phantoms using prompt gammas. <i>Medical Physics</i> , 2015 , 42, 2342-6	4.4	13
24	Toward a new treatment planning approach accounting for in vivo proton range verification. <i>Physics in Medicine and Biology</i> , 2018 , 63, 215025	3.8	11
23	Full Monte Carlo-Based Biologic Treatment Plan Optimization System for Intensity Modulated Carbon Ion Therapy on Graphics Processing Unit. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 100, 235-243	4	8
22	Towards a novel small animal proton irradiation platform: the SIRMIO project. <i>Acta Oncologica</i> , 2019 , 58, 1470-1475	3.2	8
21	Optimization of collimator designs for real-time proton range verification by measuring prompt gamma rays 2012 ,		8

20	Monte Carlo simulation of prompt γ -ray emission in proton therapy using a specific track length estimator. <i>Physics in Medicine and Biology</i> , 2015 , 60, 8067-86	3.8	6
19	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
18	A filtering approach for PET and PG predictions in a proton treatment planning system. <i>Physics in Medicine and Biology</i> , 2020 , 65, 095014	3.8	5
17	Radiobiology with cyclotron proton beams: A viability study 2010 ,		5
16	Prediction of positron emitter distributions for range monitoring in carbon ion therapy: an analytical approach. <i>Physics in Medicine and Biology</i> , 2019 , 64, 105022	3.8	4
15	Preliminary characterization of the external proton beam from a PET cyclotron for use in neutron and proton radiobiology and other dosimetric studies 2012 ,		4
14	A new treatment planning approach accounting for prompt gamma range verification and interfractional anatomical changes. <i>Physics in Medicine and Biology</i> , 2020 , 65, 095005	3.8	3
13	Animal tissue-based quantitative comparison of dual-energy CT to SPR conversion methods using high-resolution gel dosimetry. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	3
12	Dose-Free Monitoring of Radiotherapy Treatments With Scattered Photons: First Experimental Results at a 6-MV Linac. <i>IEEE Transactions on Nuclear Science</i> , 2013 , 60, 3110-3118	1.7	2
11	Dose-Free Monitoring of Radiotherapy Treatments With Scattered Photons: Concept and Simulation Study. <i>IEEE Transactions on Nuclear Science</i> , 2013 , 60, 3119-3126	1.7	2
10	Real-time online monitoring of the ion range by means of prompt secondary radiations 2013 ,		2
9	Dose-free monitoring of radiotherapy treatments with scattered photons: Concept and simulation study 2011 ,		2
8	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
7	Beam characterization and feasibility study for a small animal irradiation platform at clinical proton therapy facilities. <i>Physics in Medicine and Biology</i> , 2020 , 65, 245045	3.8	2
6	The impact of path estimates in iterative ion CT reconstructions for clinical-like cases. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	2
5	Optimization and performance study of a proton CT system for pre-clinical small animal imaging. <i>Physics in Medicine and Biology</i> , 2020 , 65, 155008	3.8	2
4	Range and density variations monitoring during proton therapy based on time-of-flight detection of prompt gamma radiation 2011 ,		1
3	SU-C-BRC-06: OpenCL-Based Cross-Platform Monte Carlo Simulation Package for Carbon Ion Therapy. <i>Medical Physics</i> , 2016 , 43, 3318-3318	4.4	1

2	SU-E-T-499: Initial Developments of An OpenCL-Based Cross-Platform Monte Carlo Dose Engine for Carbon Ion Therapy. <i>Medical Physics</i> , 2015 , 42, 3449-3449	4.4	1
1	Accounting for prompt gamma emission and detection for range verification in proton therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2021 , 66, 055005	3.8	1