

Carlo Mancini-Terracciano

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

652
citations

567144

15
h-index

610775

24
g-index

49
all docs

49
docs citations

49
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal evaluation of ^{19}F -BPA internalization in pancreatic cancer cells for boron capture and proton therapy potential applications. <i>Physica Medica</i> , 2022, 94, 75-84.	0.4	2
2	Monitoring Carbon Ion Beams Transverse Position Detecting Charged Secondary Fragments: Results From Patient Treatment Performed at CNAO. <i>Frontiers in Oncology</i> , 2021, 11, 601784.	1.3	9
3	A wearable radiation measurement system for collection of patient-specific time-activity data in radiopharmaceutical therapy: system design and monte carlo simulation results. <i>Medical Physics</i> , 2021, , .	1.6	3
4	Charged particles and neutron trackers: Applications to particle therapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 954, 161229.	0.7	1
5	Preliminary results in using Deep Learning to emulate BLOB, a nuclear interaction model. <i>Physica Medica</i> , 2020, 73, 65-72.	0.4	5
6	Radioguided surgery with ^{125}I radiation in pancreatic Neuroendocrine Tumors: a feasibility study. <i>Scientific Reports</i> , 2020, 10, 4015.	1.6	8
7	Validation of Geant4 Nuclear Reaction Models for Hadron Therapy and Preliminary Results with BLOB. <i>IFMBE Proceedings</i> , 2019, , 675-685.	0.2	4
8	Radio-Guided Surgery with ^{125}I Radiation: Tests on Ex-Vivo Specimens. <i>IFMBE Proceedings</i> , 2019, , 693-697.	0.2	2
9	Secondary radiation measurements for particle therapy applications: Charged secondaries produced by ^{16}O ion beams in a PMMA target at large angles. <i>Physica Medica</i> , 2019, 64, 45-53.	0.4	4
10	Neutrino physics with the PTOLEMY project: active neutrino properties and the light sterile case. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 047-047.	1.9	85
11	Preliminary results coupling Stochastic Mean Field and Boltzmann-Langevin One Body models with Geant4. <i>Physica Medica</i> , 2019, 67, 116-122.	0.4	7
12	Review and performance of the Dose Profiler, a particle therapy treatments online monitor. <i>Physica Medica</i> , 2019, 65, 84-93.	0.4	19
13	MR-based artificial intelligence model to assess response to therapy in locally advanced rectal cancer. <i>European Journal of Radiology</i> , 2019, 118, 1-9.	1.2	58
14	A design for an electromagnetic filter for precision energy measurements at the tritium endpoint. <i>Progress in Particle and Nuclear Physics</i> , 2019, 106, 120-131.	5.6	24
15	The $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle - \langle / \text{mml:mo} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ radio-guided surgery: Method to estimate the minimum injectable activity from ex-vivo test. <i>Physica Medica</i> , 2019, 58, 114-120.	0.4	13
16	Characterisation of a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ detector on positron emitters for medical applications. <i>Physica Medica</i> , 2019, 67, 85-90.	0.4	15
17	Secondary radiation measurements for particle therapy applications: charged particles produced by ^4He and ^{12}C ion beams in a PMMA target at large angle. <i>Physics in Medicine and Biology</i> , 2018, 63, 055018.	1.6	16
18	Mass spectrometry characterization of DOTA-Nimotuzumab conjugate as precursor of an innovative ^{125}I tracer suitable in radio-guided surgery. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 156, 8-15.	1.4	5

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19	Cluster formation in nuclear reactions from mean-field inhomogeneities. Journal of Physics: Conference Series, 2018, 1014, 012008.	0.3	2
20	In-room performance evaluation of a novel online charged secondary particles monitor of light ions PT treatments. , 2018, , .		0
21	Radioguided surgery with ^{125}I radiation: a novel application with Ga68. Scientific Reports, 2018, 8, 16171.	1.6	28
22	Use of a CMOS image sensor for beta-emitting radionuclide measurements. Journal of Instrumentation, 2018, 13, P07003-P07003.	0.5	7
23	Position sensitive ^{125}I detector based on p-terphenyl scintillator for medical applications. Journal of Instrumentation, 2018, 13, P07001-P07001.	0.5	1
24	Scintillating Fiber Devices for Particle Therapy Applications. IEEE Transactions on Nuclear Science, 2018, 65, 2054-2060.	1.2	1
25	Intraoperative probe detecting ^{125}I decays in brain tumour radio-guided surgery. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 689-692.	0.7	10
26	Design of a new tracking device for on-line beam range monitor in carbon therapy. Physica Medica, 2017, 34, 18-27.	0.4	25
27	Secondary radiation measurements for particle therapy applications: nuclear fragmentation produced by ^4He ion beams in a PMMA target. Physics in Medicine and Biology, 2017, 62, 1291-1309.	1.6	23
28	Secondary radiation measurements for particle therapy applications: prompt photons produced by ^4He , ^{12}C and ^{16}O ion beams in a PMMA target. Physics in Medicine and Biology, 2017, 62, 1438-1455.	1.6	30
29	Y^{3+} embedded in polymeric nanoparticles: Morphology, dimension and stability of composite colloidal system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 125-131.	2.3	20
30	Abstract ID: 61 Validation of Geant4 nuclear reaction models for hadrontherapy and preliminary results with SMF and Blob. Physica Medica, 2017, 42, 12.	0.4	0
31	Use of bremsstrahlung radiation to identify hidden weak ^{125}I sources: feasibility and possible use in radio-guided surgery. Journal of Instrumentation, 2017, 12, P11006-P11006.	0.5	2
32	Feasibility of beta-particle radioguided surgery for a variety of α -nuclear medicine radionuclides. Physica Medica, 2017, 43, 127-133.	0.4	24
33	Addendum: Measurement of charged particle yields from PMMA irradiated by a 220 MeV/u ^{12}C beam. Physics in Medicine and Biology, 2017, 62, 8483-8494.	1.6	5
34	Development of a radioguided surgery technique with beta- decays in brain tumor resection. Radiotherapy and Oncology, 2016, 118, S39-S40.	0.3	2
35	A novel radioguided surgery technique exploiting beta α decay. Physica Medica, 2016, 32, 104-105.	0.4	2
36	First ex vivo validation of a radioguided surgery technique with ^{125}I -radiation.. Physica Medica, 2016, 32, 1139-1144.	0.4	30

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37	An Intraoperative β^- Detecting Probe for Radio-Guided Surgery in Tumour Resection. IEEE Transactions on Nuclear Science, 2016, 63, 2533-2539.	1.2	9
38	SU-F-J-202: Secondary Radiation Measurements for Charged Particle Therapy Monitoring: Fragmentation of Therapeutic He, C and O Ion Beams Impinging On a PMMA Target. Medical Physics, 2016, 43, 3454-3455.	1.6	0
39	SU-G-JeP1-13: Innovative Tracking Detector for Dose Monitoring in Hadron Therapy: Realization and Monte Carlo Simulations. Medical Physics, 2016, 43, 3651-3651.	1.6	0
40	Extended calibration range for prompt photon emission in ion beam irradiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 745, 114-118.	0.7	7
41	127: Development of a technique to speed up the simulation of PET and SPECT. Radiotherapy and Oncology, 2014, 110, S62.	0.3	0
42	174: The recent developments of the FLUKA Monte Carlo code oriented to its applications in hadrontherapy. Radiotherapy and Oncology, 2014, 110, S85.	0.3	0
43	A novel radioguided surgery technique exploiting ^{225}Ac decays. Scientific Reports, 2014, 4, 4401.	1.6	48
44	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam using the 2012 dedicated data. Journal of High Energy Physics, 2013, 2013, 1.	1.6	21
45	Addendum: search for $\nu_{\mu} \leftrightarrow \nu_{\tau}$ oscillations with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1.	1.6	6
46	Search for $\nu_{\mu} \leftrightarrow \nu_{\tau}$ oscillations with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
47	A dedicated tool for PET scanner simulations using FLUKA. , 2013, , .		3
48	Noise correlation and decorrelation in arrays of bolometric detectors. Journal of Instrumentation, 2012, 7, P06013-P06013.	0.5	8
49	Assessment of the Čerenkov light produced in a PbWO_4 crystal by means of the study of the time structure of the signal. , 2008, , .		0