

Lucas Norberto Burigo

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

127
citations

1306789

7
h-index

1281420

11
g-index

12
all docs

12
docs citations

12
times ranked

187
citing authors

#	ARTICLE	IF	CITATIONS
1	The microdosimetric extension in TOPAS: development and comparison with published data. <i>Physics in Medicine and Biology</i> , 2019, 64, 145004.	1.6	26
2	Fast calculation of nanodosimetric quantities in treatment planning of proton and ion therapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 235015.	1.6	17
3	MRI-guided proton therapy planning: accounting for an inline MRI fringe field. <i>Physics in Medicine and Biology</i> , 2019, 64, 215015.	1.6	17
4	A novel method for assessment of fragmentation and beam-material interactions in helium ion radiotherapy with a miniaturized setup. <i>Physica Medica</i> , 2017, 42, 116-126.	0.4	16
5	Impact of new ICRU 90 key data on stopping-power ratios and beam quality correction factors for carbon ion beams. <i>Physics in Medicine and Biology</i> , 2019, 64, 195005.	1.6	10
6	Comparing the effectiveness and efficiency of various gating approaches for PBS proton therapy of pancreatic cancer using 4D-MRI datasets. <i>Physics in Medicine and Biology</i> , 2019, 64, 085011.	1.6	10
7	Integrated MRI-guided proton therapy planning: Accounting for the full MRI field in a perpendicular system. <i>Medical Physics</i> , 2022, 49, 1853-1873.	1.6	9
8	Effects of magnetic field orientation and strength on the treatment planning of nonsmall cell lung cancer. <i>Medical Physics</i> , 2017, 44, 6621-6631.	1.6	8
9	Lateral variations of radiobiological properties of therapeutic fields of ^1H , ^4He , ^{12}C and ^{16}O ions studied with Geant4 and microdosimetric kinetic model. <i>Physics in Medicine and Biology</i> , 2017, 62, 5884-5907.	1.6	5
10	Simultaneous optimization of RBE-weighted dose and nanometric ionization distributions in treatment planning with carbon ions. <i>Physics in Medicine and Biology</i> , 2019, 64, 015015.	1.6	5
11	The effect of density overrides on magnetic resonance-guided radiation therapy planning for lung cancer. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 8, 23-27.	1.2	4
12	Radiation quality of cosmic ray nuclei studied with Geant4-based simulations. <i>Journal of Physics: Conference Series</i> , 2014, 503, 012021.	0.3	0