Laura CerviÃ±o

List of Publications by Year
in descending order

30 papers	692 citations	623699 14 h-index	552766 26 g-index
30 all docs	30 docs citations	30 times ranked	923 citing authors

#	ARTICLE	IF	CITATIONS
1	Dose-dependent white matter damage after brain radiotherapy. Radiotherapy and Oncology, 2016, 121, 209-216.	0.6	98
2	A GPU tool for efficient, accurate, and realistic simulation of cone beam CT projections. Medical Physics, 2012, 39, 7368-7378.	3.0	92
3	A comprehensive study on the relationship between the image quality and imaging dose in low-dose cone beam CT. Physics in Medicine and Biology, 2012, 57, 2063-2080.	3.0	75
4	AAPM task group report 302: Surfaceâ€guided radiotherapy. Medical Physics, 2022, 49, .	3.0	66
5	Towards the clinical implementation of iterative lowâ€dose coneâ€beam CT reconstruction in imageâ€guided radiation therapy: Cone/ring artifact correction and multiple GPU implementation. Medical Physics, 2014, 41, 111912.	3.0	39
6	A hybrid reconstruction algorithm for fast and accurate 4D cone-beam CT imaging. Medical Physics, 2014, 41, 071903.	3.0	33
7	A deformable head and neck phantom with <i>inâ€vivo</i> dosimetry for adaptive radiotherapy quality assurance. Medical Physics, 2015, 42, 1490-1497.	3.0	30
8	A survey of surface imaging use in radiation oncology in the United States. Journal of Applied Clinical Medical Physics, 2019, 20, 70-77.	1.9	29
9	A method for volumetric imaging in radiotherapy using single xâ€ray projection. Medical Physics, 2015, 42, 2498-2509.	3.0	28
10	Quality at the American Society for Radiation Oncology Annual Meeting: Gender Balance Among Invited Speakers and Associations with Panel Success. International Journal of Radiation Oncology Biology Physics, 2019, 104, 987-996.	0.8	25
11	Progressive cone beam CT dose control in imageâ€guided radiation therapy. Medical Physics, 2013, 40, 060701.	3.0	22
12	A segmentation and point-matching enhanced efficient deformable image registration method for dose accumulation between HDR CT images. Physics in Medicine and Biology, 2015, 60, 2981-3002.	3.0	22
13	Adverse Events Involving Radiation Oncology Medical Devices: Comprehensive Analysis of US Food and Drug Administration Data, 1991 to 2015. International Journal of Radiation Oncology Biology Physics, 2017, 97, 18-26.	0.8	22
14	Automatic segmentation of brain metastases using T1 magnetic resonance and computed tomography images. Physics in Medicine and Biology, 2021, 66, 175014.	3.0	21
15	A novel 3Dâ€printed phantom insert for 4D PET/CT imaging and simultaneous integrated boost radiotherapy. Medical Physics, 2017, 44, 5467-5474.	3.0	17
16	Medical Device Recalls in Radiation Oncology: Analysis of US Food and Drug Administration Data, 2002-2015. International Journal of Radiation Oncology Biology Physics, 2017, 98, 438-446.	0.8	12
17	Deep learning auto-segmentation and automated treatment planning for trismus risk reduction in head and neck cancer radiotherapy. Physics and Imaging in Radiation Oncology, 2021, 19, 96-101.	2.9	11
18	2021 AAPM Equity, Diversity, and Inclusion Climate Survey Executive Summary. International Journal of Radiation Oncology Biology Physics, 2023, 116, 295-304.	0.8	10

#	Article	IF	Citations
19	An Automated Treatment Plan Quality Control Tool for Intensity-Modulated Radiation Therapy Using a Voxel-Weighting Factor-Based Re-Optimization Algorithm. PLoS ONE, 2016, 11, e0149273.	2.5	9
20	Nested block self–attention multiple resolution residual network for multiorgan segmentation from CT. Medical Physics, 2022, 49, 5244-5257.	3.0	8
21	Automatic patient positioning and gating window settings in respiratory–gated stereotactic body radiation therapy for pancreatic cancer using fluoroscopic imaging. Journal of Applied Clinical Medical Physics, 2018, 19, 74-82.	1.9	7
22	Cardiac dosimetric evaluation of deep inspiration breath-hold level variances using computed tomography scans generated from deformable image registration displacement vectors. Medical Dosimetry, 2016, 41, 22-27.	0.9	4
23	Combined Compressed Sensing and SENSE to Enhance Radiation Therapy Magnetic Resonance Imaging Simulation. Advances in Radiation Oncology, 2022, 7, 100799.	1.2	3
24	A method for generating large datasets of organ geometries for radiotherapy treatment planning studies. Radiology and Oncology, 2014, 48, 408-415.	1.7	3
25	Tumor Targeting for Lung Cancer Radiotherapy Using Machine Learning Techniques. , 2008, , .		2
26	A Deformable Image Registration Method for Dose Accumulation between HDR CT Images. Brachytherapy, 2014, 13, S15-S16.	0.5	2
27	Can the Risk of Dysphagia in Head and Neck Radiation Therapy Be Predicted by an Automated Transit Fluence Monitoring Process During Treatment? A First Comparative Study of Patient Reported Quality of Life and the Fluence-Based Decision Support Metric. Technology in Cancer Research and Treatment, 2021, 20, 153303382110279.	1.9	2
28	Risk Management of Clinical Reference Dosimetry of a Large Hospital Network Using Statistical Process Control. International Journal of Medical Physics, Clinical Engineering and Radiation Oncology, 2021, 10, 119-131.	0.1	0
29	TH-E-220-10: Cine Cone Beam CT for Image Guided Lung Cancer Radiotherapy. Medical Physics, 2011, 38, 3880-3881.	3.0	0
30	TU-C-214-03: Markerless Tumor Tracking via Clustering on Low-Rank Fluoroscopic Images for Image-Guided Lung Cancer Radiotherapy. Medical Physics, 2011, 38, 3756-3756.	3.0	0