Maria Francesca Spadea

List of Publications by Year
in descending order

27	1,091	471371 17	552653 26
papers	citations	h-index	g-index

27	27	27	1536
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CoroFinder: A New Tool for Real Time Detection and Tracking of Coronary Arteries in Contrast-Free Cine-Angiography. Journal of Personalized Medicine, 2022, 12, 411.	1.1	1
2	Algorithms to Preprocess Microarray Image Data. Methods in Molecular Biology, 2022, 2401, 69-78.	0.4	2
3	An Open-Source COVID-19 CT Dataset with Automatic Lung Tissue Classification for Radiomics. Bioengineering, 2021, 8, 26.	1.6	21
4	Lipid Droplet Biosynthesis Impairment through DGAT2 Inhibition Sensitizes MCF7 Breast Cancer Cells to Radiation. International Journal of Molecular Sciences, 2021, 22, 10102.	1.8	26
5	Deep learning based syntheticâ€CT generation in radiotherapy and PET: A review. Medical Physics, 2021, 48, 6537-6566.	1.6	90
6	Clinical suitability of deep learning based synthetic CTs for adaptive proton therapy of lung cancer. Medical Physics, 2021, 48, 7673-7684.	1.6	19
7	SlicerArduino: A Bridge between Medical Imaging Platform and Microcontroller. Bioengineering, 2020, 7, 109.	1.6	2
8	MR-guided proton therapy: a review and a preview. Radiation Oncology, 2020, 15, 129.	1.2	85
9	Innate Immunity: A Common Denominator between Neurodegenerative and Neuropsychiatric Diseases. International Journal of Molecular Sciences, 2020, 21, 1115.	1.8	70
10	Evaluating the Impact of Training Loss on MR to Synthetic CT Conversion. Lecture Notes in Computer Science, 2020, , 563-573.	1.0	2
11	Fully automatic catheter segmentation in MRI with 3D convolutional neural networks: application to MRI-guided gynecologic brachytherapy. Physics in Medicine and Biology, 2019, 64, 165008.	1.6	47
12	Deep Convolution Neural Network (DCNN) Multiplane Approach to Synthetic CT Generation From MR imagesâ€"Application in Brain ProtonÂTherapy. International Journal of Radiation Oncology Biology Physics, 2019, 105, 495-503.	0.4	71
13	Using CNNs for Designing and Implementing an Automatic Vascular Segmentation Method of Biomedical Images. Lecture Notes in Computer Science, 2018, , 60-70.	1.0	9
14	Innate Immunity Cells and the Neurovascular Unit. International Journal of Molecular Sciences, 2018, 19, 3856.	1.8	38
15	Advanced Multimodal Methods for Cranial Pseudo-CT Generation Validated by IMRT and VMAT Radiation Therapy Plans. International Journal of Radiation Oncology Biology Physics, 2018, 102, 792-800.	0.4	6
16	Proton range shift analysis on brain pseudo-CT generated from T1 and T2 MR. Acta OncolÃ³gica, 2018, 57, 1521-1531.	0.8	22
17	Atlas-based segmentation in breast cancer radiotherapy: Evaluation of specific and generic-purpose atlases. Breast, 2017, 32, 44-52.	0.9	40
18	Evaluation of segmentation methods on head and neck <scp>CT</scp>: Autoâ€segmentation challenge 2015. Medical Physics, 2017, 44, 2020-2036.	1.6	198

#	Article	IF	Citations
19	Longitudinal Motion Assessment of the Carotid Artery Using Speckle Tracking and Scale-Invariant Feature Transform. Annals of Biomedical Engineering, 2017, 45, 1865-1876.	1.3	5
20	Technical Note: <scp>plastimatch mabs</scp>, an open source tool for automatic image segmentation. Medical Physics, 2016, 43, 5155-5160.	1.6	48
21	Imaging in particle therapy: State of the art and future perspective. Acta OncolÃ³gica, 2015, 54, 1254-1258.	0.8	15
22	Automatic segmentation of head and neck CT images for radiotherapy treatment planning using multiple atlases, statistical appearance models, and geodesic active contours. Medical Physics, 2014, 41, 051910.	1.6	109
23	Contrast-Enhanced Proton Radiography for Patient Set-up by Using X-Ray CT Prior Knowledge. International Journal of Radiation Oncology Biology Physics, 2014, 90, 628-636.	0.4	12
24	Automatic Segmentation and Online virtualCT in Head-and-Neck Adaptive Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2012, 84, e427-e433.	0.4	66
25	A multiple points method for 4D CT image sorting. Medical Physics, 2011, 38, 656-667.	1.6	41
26	Evaluation and commissioning of a surface based system for respiratory sensing in 4D CT. Journal of Applied Clinical Medical Physics, 2011, 12, 162-169.	0.8	24
27	Motion Compensation in Hand-held Laser Scanning for Surface Modeling in Plastic and Reconstructive Surgery. Annals of Biomedical Engineering, 2009, 37, 1877-1885.	1.3	22