

Paolo Zaffino

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,041
citations

516561

16
h-index

552653

26
g-index

29
all docs

29
docs citations

29
times ranked

1365
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of segmentation methods on head and neck <sc>CT</sc>: Autoâ€segmentation challenge 2015. Medical Physics, 2017, 44, 2020-2036.	1.6	198
2	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
3	Deep learning based syntheticâ€CT generation in radiotherapy and PET: A review. Medical Physics, 2021, 48, 6537-6566.	1.6	90
4	Deep Convolution Neural Network (DCNN) Multiplane Approach to Synthetic CT Generation From MR imagesâ€Application in Brain Protonâ€Therapy. International Journal of Radiation Oncology Biology Physics, 2019, 105, 495-503.	0.4	71
5	Innate Immunity: A Common Denominator between Neurodegenerative and Neuropsychiatric Diseases. International Journal of Molecular Sciences, 2020, 21, 1115.	1.8	70
6	Comparison of CBCT based synthetic CT methods suitable for proton dose calculations in adaptive proton therapy. Physics in Medicine and Biology, 2020, 65, 095002.	1.6	59
7	Deep Neural Networks for Fast Segmentation of 3D Medical Images. Lecture Notes in Computer Science, 2016, , 158-165.	1.0	55
8	Technical Note: <sc>plastimatch mabs</sc>, an open source tool for automatic image segmentation. Medical Physics, 2016, 43, 5155-5160.	1.6	48
9	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
10	Multi-organ segmentation of the head and neck area: an efficient hierarchical neural networks approach. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 745-754.	1.7	42
11	Atlas-based segmentation in breast cancer radiotherapy: Evaluation of specific and generic-purpose atlases. Breast, 2017, 32, 44-52.	0.9	40
12	Innate Immunity Cells and the Neurovascular Unit. International Journal of Molecular Sciences, 2018, 19, 3856.	1.8	38
13	A Review on Advances in Intra-operative Imaging for Surgery and Therapy: Imagining the Operating Room of the Future. Annals of Biomedical Engineering, 2020, 48, 2171-2191.	1.3	29
14	Comparison of the suitability of CBCT- and MR-based synthetic CTs for daily adaptive proton therapy in head and neck patients. Physics in Medicine and Biology, 2020, 65, 235036.	1.6	24
15	An Open-Source COVID-19 CT Dataset with Automatic Lung Tissue Classification for Radiomics. Bioengineering, 2021, 8, 26.	1.6	21
16	Metacognition and emotion regulation as treatment targets in binge eating disorder: a network analysis study. Journal of Eating Disorders, 2021, 9, 22.	1.3	20
17	Clinical suitability of deep learning based synthetic CTs for adaptive proton therapy of lung cancer. Medical Physics, 2021, 48, 7673-7684.	1.6	19
18	Multi atlas based segmentation: should we prefer the best atlas group over the group of best atlases?. Physics in Medicine and Biology, 2018, 63, 12NT01.	1.6	16

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Does a polarization state exist for mast cells in cancer?. Medical Hypotheses, 2019, 131, 109281.	0.8	9
22	Radiotherapy of Hodgkin and Non-Hodgkin Lymphoma. Technology in Cancer Research and Treatment, 2016, 15, 355-364.	0.8	7
23	SlicerArduino: A Bridge between Medical Imaging Platform and Microcontroller. Bioengineering, 2020, 7, 109.	1.6	2
24	Evaluating the Impact of Training Loss on MR to Synthetic CT Conversion. Lecture Notes in Computer Science, 2020, , 563-573.	1.0	2
25	Algorithms to Preprocess Microarray Image Data. Methods in Molecular Biology, 2022, 2401, 69-78.	0.4	2
26	SU-G-IeP2-14: Validation of Plastimatch MABS, a Tool for Automatic Image Segmentation. Medical Physics, 2016, 43, 3658-3658.	1.6	1
27	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
28	1276 poster RADIOTHERAPY OF HODGKIN LYMPHOMA: A NON-RIGID REGISTRATION BASED METHOD FOR SEMIAUTOMATIC CTV LOCALIZATION. Radiotherapy and Oncology, 2011, 99, S475-S476.	0.3	0
29	PD-0309: Comparison of CBCT based synthetic CT methods for adaptive proton therapy. Radiotherapy and Oncology, 2020, 152, S160-S161.	0.3	0