

Nadya Shusharina

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

434
citations

1306789

7
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	Vision 20/20: Perspectives on automated image segmentation for radiotherapy. <i>Medical Physics</i> , 2014, 41, 050902.	1.6	262
2	The role of computational methods for automating and improving clinical target volume definition. <i>Radiotherapy and Oncology</i> , 2020, 153, 15-25.	0.3	31
3	Automated delineation of the clinical target volume using anatomically constrained 3D expansion of the gross tumor volume. <i>Radiotherapy and Oncology</i> , 2020, 146, 37-43.	0.3	31
4	Correlation of 18F-FDG Avid Volumes on Pre- and Post-Radiation Therapy FDG PET Scans in Recurrent Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 137-144.	0.4	22
5	The clinical target distribution: a probabilistic alternative to the clinical target volume. <i>Physics in Medicine and Biology</i> , 2018, 63, 155001.	1.6	20
6	Differences in lung injury after IMRT or proton therapy assessed by 18FDG PET imaging. <i>Radiotherapy and Oncology</i> , 2018, 128, 147-153.	0.3	17
7	Impact of aeration change and beam arrangement on the robustness of proton plans. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 14-21.	0.8	13
8	Deep learning-based GTV contouring modeling inter- and intra- observer variability in sarcomas. <i>Radiotherapy and Oncology</i> , 2022, 167, 269-276.	0.3	9
9	Perspectives on the model-based approach to proton therapy trials: A retrospective study of a lung cancer randomized trial. <i>Radiotherapy and Oncology</i> , 2020, 147, 8-14.	0.3	7
10	Analytic Regularization of Uniform Cubic B-spline Deformation Fields. <i>Lecture Notes in Computer Science</i> , 2012, 15, 122-129.	1.0	7
11	Cross-Modality Brain Structures Image Segmentation for the Radiotherapy Target Definition and Plan Optimization. <i>Lecture Notes in Computer Science</i> , 2021, , 3-15.	1.0	6
12	Probabilistic definition of the clinical target volume—implications for tumor control probability modeling and optimization. <i>Physics in Medicine and Biology</i> , 2021, 66, 01NT01.	1.6	5
13	Feasibility study of clinical target volume definition for soft-tissue sarcoma using muscle fiber orientations derived from diffusion tensor imaging. <i>Physics in Medicine and Biology</i> , 2022, 67, 155013.	1.6	2
14	In Reply to Saraiya et al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 969-970.	0.4	1
15	Accounting for uncertainties in the position of anatomical barriers used to define the clinical target volume. <i>Physics in Medicine and Biology</i> , 2021, 66, 15NT01.	1.6	1