

Simeon Nill

List of Publications by Year in descending order

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papers

606
citations

686830

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all docs

24
docs citations

24
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Lung stereotactic body radiotherapy with an MR-linac – Quantifying the impact of the magnetic field and real-time tumor tracking. Radiotherapy and Oncology, 2016, 119, 461-466.	0.3	88
2	Real-time tumor tracking: Automatic compensation of target motion using the Siemens 160 MLC. Medical Physics, 2010, 37, 753-761.	1.6	72
3	Dynamic tumor tracking using the Elekta Agility MLC. Medical Physics, 2014, 41, 111719.	1.6	69
4	Machine QA for the Elekta Unity system: A Report from the Elekta MR-linac consortium. Medical Physics, 2021, 48, e67-e85.	1.6	52
5	The potential of MRI-guided online adaptive re-optimisation in radiotherapy of urinary bladder cancer. Radiotherapy and Oncology, 2016, 118, 154-159.	0.3	49
6	Real-time 4D dose reconstruction for tracked dynamic MLC deliveries for lung SBRT. Medical Physics, 2016, 43, 6072-6081.	1.6	34
7	Effect of MLC tracking latency on conformal volumetric modulated arc therapy (VMAT) plans in 4D stereotactic lung treatment. Radiotherapy and Oncology, 2015, 117, 491-495.	0.3	33
8	T2-Weighted 4D Magnetic Resonance Imaging for Application in Magnetic Resonance-Guided Radiotherapy Treatment Planning. Investigative Radiology, 2017, 52, 563-573.	3.5	29
9	First evaluation of the feasibility of MLC tracking using ultrasound motion estimation. Medical Physics, 2016, 43, 4628-4633.	1.6	27
10	Rapid 4D-MRI reconstruction using a deep radial convolutional neural network: Dracula. Radiotherapy and Oncology, 2021, 159, 209-217.	0.3	18
11	Consistent and invertible deformation vector fields for a breathing anthropomorphic phantom: a post-processing framework for the XCAT phantom. Physics in Medicine and Biology, 2020, 65, 165005.	1.6	17
12	Online dose reconstruction for tracked volumetric arc therapy: Real-time implementation and offline quality assurance for prostate SBRT. Medical Physics, 2017, 44, 5997-6007.	1.6	16
13	Super-resolution T2-weighted 4D MRI for image guided radiotherapy. Radiotherapy and Oncology, 2018, 129, 486-493.	0.3	16
14	Magnetic resonance imaging sequence evaluation of an MR Linac system; early clinical experience. Technical Innovations and Patient Support in Radiation Oncology, 2019, 12, 56-63.	0.6	14
15	Feasibility of MR-guided ultrahypofractionated radiotherapy in 5, 2 or 1 fractions for prostate cancer. Clinical and Translational Radiation Oncology, 2021, 26, 1-7.	0.9	11
16	The impact of 2D cine MR imaging parameters on automated tumor and organ localization for MR-guided real-time adaptive radiotherapy. Physics in Medicine and Biology, 2018, 63, 235005.	1.6	10
17	Synthetic 4D-CT of the thorax for treatment plan adaptation on MR-guided radiotherapy systems. Physics in Medicine and Biology, 2019, 64, 115005.	1.6	10
18	Beam selection for stereotactic ablative radiotherapy using Cyberknife with multileaf collimation. Medical Engineering and Physics, 2019, 64, 28-36.	0.8	10

#	ARTICLE	IF	CITATIONS
19	Evaluation of three presets for four-dimensional cone beam CT in lung radiotherapy verification by visual grading analysis. <i>British Journal of Radiology</i> , 2016, 89, 20150933.	1.0	9
20	Treatment planning optimization with beam motion modeling for dynamic arc delivery of SBRT using Cyberknife with multileaf collimation. <i>Medical Physics</i> , 2019, 46, 5421-5433.	1.6	5
21	Dosimetric accuracy of delivering SBRT using dynamic arcs on Cyberknife. <i>Medical Physics</i> , 2020, 47, 1533-1544.	1.6	5
22	New target volume delineation and PTV strategies to further personalise radiotherapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 055024.	1.6	5
23	Comparison of the dose escalation potential for two hypofractionated radiotherapy regimens for locally advanced pancreatic cancer. <i>Clinical and Translational Radiation Oncology</i> , 2019, 16, 21-27.	0.9	4
24	A treatment planning study of combined carbon ion-beam plus photon intensity-modulated radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 16-22.	1.2	3