

Uwe Oelfke

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

870
citations

516215

16
h-index

476904

29
g-index

32
all docs

32
docs citations

32
times ranked

923
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time intrafraction motion monitoring in external beam radiotherapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 15TR01.	1.6	130
2	Lung stereotactic body radiotherapy with an MR-linac – Quantifying the impact of the magnetic field and real-time tumor tracking. <i>Radiotherapy and Oncology</i> , 2016, 119, 461-466.	0.3	88
3	Real-time tumor tracking: Automatic compensation of target motion using the Siemens 160 MLC. <i>Medical Physics</i> , 2010, 37, 753-761.	1.6	72
4	Dynamic tumor tracking using the Elekta Agility MLC. <i>Medical Physics</i> , 2014, 41, 111719.	1.6	69
5	Patterns of practice for adaptive and real-time radiation therapy (POP-ART RT) part II: Offline and online plan adaption for interfractional changes. <i>Radiotherapy and Oncology</i> , 2020, 153, 88-96.	0.3	50
6	The potential of MRI-guided online adaptive re-optimisation in radiotherapy of urinary bladder cancer. <i>Radiotherapy and Oncology</i> , 2016, 118, 154-159.	0.3	49
7	Real-time 4D dose reconstruction for tracked dynamic MLC deliveries for lung SBRT. <i>Medical Physics</i> , 2016, 43, 6072-6081.	1.6	34
8	Patterns of practice for adaptive and real-time radiation therapy (POP-ART RT) part I: Intra-fraction breathing motion management. <i>Radiotherapy and Oncology</i> , 2020, 153, 79-87.	0.3	34
9	Tumour auto-contouring on 2d cine MRI for locally advanced lung cancer: A comparative study. <i>Radiotherapy and Oncology</i> , 2017, 125, 485-491.	0.3	30
10	Cross-modality deep learning: Contouring of MRI data from annotated CT data only. <i>Medical Physics</i> , 2021, 48, 1673-1684.	1.6	30
11	T2-Weighted 4D Magnetic Resonance Imaging for Application in Magnetic Resonance-Guided Radiotherapy Treatment Planning. <i>Investigative Radiology</i> , 2017, 52, 563-573.	3.5	29
12	MRI-based Assessment of 3D Intrafractional Motion of Head and Neck Cancer for Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 306-316.	0.4	28
13	First evaluation of the feasibility of MLC tracking using ultrasound motion estimation. <i>Medical Physics</i> , 2016, 43, 4628-4633.	1.6	27
14	Principal component analysis for fast and model-free denoising of multi b-value diffusion-weighted MR images. <i>Physics in Medicine and Biology</i> , 2019, 64, 105015.	1.6	22
15	Rapid 4D-MRI reconstruction using a deep radial convolutional neural network: Dracula. <i>Radiotherapy and Oncology</i> , 2021, 159, 209-217.	0.3	18
16	Consistent and invertible deformation vector fields for a breathing anthropomorphic phantom: a post-processing framework for the XCAT phantom. <i>Physics in Medicine and Biology</i> , 2020, 65, 165005.	1.6	17
17	Online dose reconstruction for tracked volumetric arc therapy: Real-time implementation and offline quality assurance for prostate SBRT. <i>Medical Physics</i> , 2017, 44, 5997-6007.	1.6	16
18	Super-resolution T2-weighted 4D MRI for image guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2018, 129, 486-493.	0.3	16

#	ARTICLE	IF	CITATIONS
19	Evaluation of MRI-derived surrogate signals to model respiratory motion. Biomedical Physics and Engineering Express, 2020, 6, 045015.	0.6	12
20	Optimal acquisition scheme for flow-compensated intravoxel incoherent motion diffusion-weighted imaging in the abdomen: An accurate and precise clinically feasible protocol. Magnetic Resonance in Medicine, 2020, 83, 1003-1015.	1.9	11
21	A convolutional neural network for contouring metastatic lymph nodes on diffusion-weighted magnetic resonance images for assessment of radiotherapy response. Physics and Imaging in Radiation Oncology, 2020, 15, 1-7.	1.2	11
22	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
23	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
24	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
25	Beam selection for stereotactic ablative radiotherapy using Cyberknife with multileaf collimation. Medical Engineering and Physics, 2019, 64, 28-36.	0.8	10
26	Traceable reference dosimetry in MRI guided radiotherapy using alanine: calibration and magnetic field correction factors of ionisation chambers. Physics in Medicine and Biology, 2021, 66, 165006.	1.6	8
27	Treatment planning optimization with beam motion modeling for dynamic arc delivery of SBRT using Cyberknife with multileaf collimation. Medical Physics, 2019, 46, 5421-5433.	1.6	5
28	Dosimetric accuracy of delivering SBRT using dynamic arcs on Cyberknife. Medical Physics, 2020, 47, 1533-1544.	1.6	5
29	New target volume delineation and PTV strategies to further personalise radiotherapy. Physics in Medicine and Biology, 2021, 66, 055024.	1.6	5
30	Comparison of the dose escalation potential for two hypofractionated radiotherapy regimens for locally advanced pancreatic cancer. Clinical and Translational Radiation Oncology, 2019, 16, 21-27.	0.9	4
31	Towards Real Time Radiotherapy Simulation. , 2019, , .		2