

# 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	Cross-modality deep learning: Contouring of MRI data from annotated CT data only. <i>Medical Physics</i> , 2021, 48, 1673-1684.	1.6	30
2	Feasibility of MR-guided ultrahypofractionated radiotherapy in 5, 2 or 1 fractions for prostate cancer. <i>Clinical and Translational Radiation Oncology</i> , 2021, 26, 1-7.	0.9	11
3	New target volume delineation and PTV strategies to further personalise radiotherapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 055024.	1.6	5
4	Rapid 4D-MRI reconstruction using a deep radial convolutional neural network: Dracula. <i>Radiotherapy and Oncology</i> , 2021, 159, 209-217.	0.3	18
5	Traceable reference dosimetry in MRI guided radiotherapy using alanine: calibration and magnetic field correction factors of ionisation chambers. <i>Physics in Medicine and Biology</i> , 2021, 66, 165006.	1.6	8
6	Optimal acquisition scheme for flow-compensated intravoxel incoherent motion diffusion-weighted imaging in the abdomen: An accurate and precise clinically feasible protocol. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1003-1015.	1.9	11
7	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
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	A convolutional neural network for contouring metastatic lymph nodes on diffusion-weighted magnetic resonance images for assessment of radiotherapy response. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 1-7.	1.2	11
10	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
11	Dosimetric accuracy of delivering SBRT using dynamic arcs on Cyberknife. <i>Medical Physics</i> , 2020, 47, 1533-1544.	1.6	5
12	Evaluation of MRI-derived surrogate signals to model respiratory motion. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 045015.	0.6	12
13	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
14	Towards Real Time Radiotherapy Simulation. , 2019, , .		2
15	Real-time intrafraction motion monitoring in external beam radiotherapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 15TR01.	1.6	130
16	Synthetic 4D-CT of the thorax for treatment plan adaptation on MR-guided radiotherapy systems. <i>Physics in Medicine and Biology</i> , 2019, 64, 115005.	1.6	10
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Beam selection for stereotactic ablative radiotherapy using Cyberknife with multileaf collimation. Medical Engineering and Physics, 2019, 64, 28-36.	0.8	10
20	MRI-based Assessment of 3D Intrafractional Motion of Head and Neck Cancer for Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 100, 306-316.	0.4	28
21	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
22	Super-resolution T2-weighted 4D MRI for image guided radiotherapy. Radiotherapy and Oncology, 2018, 129, 486-493.	0.3	16
23	Tumour auto-contouring on 2d cine MRI for locally advanced lung cancer: A comparative study. Radiotherapy and Oncology, 2017, 125, 485-491.	0.3	30
24	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
25	T2-Weighted 4D Magnetic Resonance Imaging for Application in Magnetic Resonance Guided Radiotherapy Treatment Planning. Investigative Radiology, 2017, 52, 563-573.	3.5	29
26	Real-time 4D dose reconstruction for tracked dynamic MLC deliveries for lung SBRT. Medical Physics, 2016, 43, 6072-6081.	1.6	34
27	First evaluation of the feasibility of MLC tracking using ultrasound motion estimation. Medical Physics, 2016, 43, 4628-4633.	1.6	27
28	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
29	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
30	Dynamic tumor tracking using the Elekta Agility MLC. Medical Physics, 2014, 41, 111719.	1.6	69
31	Real-time tumor tracking: Automatic compensation of target motion using the Siemens 160 MLC. Medical Physics, 2010, 37, 753-761.	1.6	72