Andreas Wetscherek

List of Publications by Year
in descending order

42	910	516710 16	477307 29
papers	citations	h-index	g-index

43	43	43	1268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Echo time dependence of biexponential and triexponential intravoxel incoherent motion parameters in the liver. Magnetic Resonance in Medicine, 2022, 87, 859-871.	3.0	6
2	Quantitative analysis of diffusion weighted imaging in rectal cancer during radiotherapy using a magnetic resonance imaging integrated linear accelerator. Physics and Imaging in Radiation Oncology, 2022, 23, 32-37.	2.9	4
3	An optimized bâ€value distribution for triexponential intravoxel incoherent motion (IVIM) in the liver. Magnetic Resonance in Medicine, 2021, 85, 2095-2108.	3.0	11
4	Rapid 4D-MRI reconstruction using a deep radial convolutional neural network: Dracula. Radiotherapy and Oncology, 2021, 159, 209-217.	0.6	18
5	Integration of quantitative imaging biomarkers in clinical trials for MR-guided radiotherapy: Conceptual guidance for multicentre studies from the MR-Linac Consortium Imaging Biomarker Working Group. European Journal of Cancer, 2021, 153, 64-71.	2.8	21
6	Daily Intravoxel Incoherent Motion (IVIM) In Prostate Cancer Patients During MR-Guided Radiotherapyâ€"A Multicenter Study. Frontiers in Oncology, 2021, 11, 705964.	2.8	22
7	Efficient Online 4D Magnetic Resonance Imaging. , 2021, , .		1
8	Contrast-to-noise ratio analysis of microscopic diffusion anisotropy indices in q-space trajectory imaging. Zeitschrift Fur Medizinische Physik, 2020, 30, 4-16.	1.5	12
9	Optimal acquisition scheme for flowâ€compensated intravoxel incoherent motion diffusionâ€weighted imaging in the abdomen: An accurate and precise clinically feasible protocol. Magnetic Resonance in Medicine, 2020, 83, 1003-1015.	3.0	11
10	Twiceâ€refocused stimulated echo diffusion imaging: Measuring diffusion time dependence at constant T 1 weighting. Magnetic Resonance in Medicine, 2020, 83, 1741-1749.	3.0	3
11	ADC measurements on the Unity MR-linac â€“ A recommendation on behalf of the Elekta Unity MR-linac consortium. Radiotherapy and Oncology, 2020, 153, 106-113.	0.6	60
12	Audit feasibility for geometric distortion in magnetic resonance imaging for radiotherapy. Physics and Imaging in Radiation Oncology, 2020, 15, 80-84.	2.9	6
13	Delayed contrast dynamics as marker of regional impairment in pulmonary fibrosis using 5D MRI - a pilot study. British Journal of Radiology, 2020, 93, 20190121.	2.2	6
14	Automatic reconstruction of the delivered dose of the day using MR-linac treatment log files and online MR imaging. Radiotherapy and Oncology, 2020, 145, 88-94.	0.6	52
15	Evaluation of MRI-derived surrogate signals to model respiratory motion. Biomedical Physics and Engineering Express, 2020, 6, 045015.	1.2	12
16	OC-0413 MR-derived signals for respiratory motion models evaluated using sagittal and coronal datasets. Radiotherapy and Oncology, 2019, 133, S213-S214.	0.6	1
17	MRI commissioning of 1.5T MR-linac systems â€“ a multi-institutional study. Radiotherapy and Oncology, 2019, 132, 114-120.	0.6	111
18	Synthetic 4D-CT of the thorax for treatment plan adaptation on MR-guided radiotherapy systems. Physics in Medicine and Biology, 2019, 64, 115005.	3.0	10

#	Article	IF	Citations
19	Principal component analysis for fast and model-free denoising of multi b-value diffusion-weighted MR images. Physics in Medicine and Biology, 2019, 64, 105015.	3.0	22
20	On the Field Strength Dependence of Biâ€•and Triexponential Intravoxel Incoherent Motion (IVIM) Parameters in the Liver. Journal of Magnetic Resonance Imaging, 2019, 50, 1883-1892.	3.4	25
21	Realizing the potential of magnetic resonance image guided radiotherapy in gynaecological and rectal cancer. British Journal of Radiology, 2019, 92, 20180670.	2.2	15
22	Quantitative susceptibility mapping and ²³Na imagingâ€based in vitro characterization of blood clotting kinetics. NMR in Biomedicine, 2018, 31, e3926.	2.8	5
23	Characterization of the diffusion coefficient of blood. Magnetic Resonance in Medicine, 2018, 79, 2752-2758.	3.0	25
24	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.	3.0	10
25	OC-0411: Investigation of MRI-derived surrogate signals for modelling respiratory motion on an MRI-Linac. Radiotherapy and Oncology, 2018, 127, S211-S212.	0.6	1
26	PO-0959: Dosimetric Evaluation of Midposition Pseudo-CT for MR-only Lung Radiotherapy Treatment planning. Radiotherapy and Oncology, 2018, 127, S526-S527.	0.6	2
27	Super-resolution T2-weighted 4D MRI for image guided radiotherapy. Radiotherapy and Oncology, 2018, 129, 486-493.	0.6	16
28	4D respiratory motionâ€compensated image reconstruction of freeâ€breathing radial MR data with very high undersampling. Magnetic Resonance in Medicine, 2017, 77, 1170-1183.	3.0	71
29	Eddy current compensated double diffusion encoded (DDE) MRI. Magnetic Resonance in Medicine, 2017, 77, 328-335.	3.0	8
30	P2.05-042 Development of Thoracic Magnetic Resonance Imaging (MRI) for Radiotherapy Planning. Journal of Thoracic Oncology, 2017, 12, S1057.	1.1	1
31	MRI-guided lung SBRT: Present and future developments. Physica Medica, 2017, 44, 139-149.	0.7	94
32	Tumour auto-contouring on 2d cine MRI for locally advanced lung cancer: A comparative study. Radiotherapy and Oncology, 2017, 125, 485-491.	0.6	30
33	OC-0155: Automated lung tumour delineation in cine MR images for image guided radiotherapy with an MR-Linac. Radiotherapy and Oncology, 2017, 123, S78.	0.6	0
34	T2-Weighted 4D Magnetic Resonance Imaging for Application in Magnetic Resonanceâ€"Guided Radiotherapy Treatment Planning. Investigative Radiology, 2017, 52, 563-573.	6.2	29
35	Magnetic resonance imaging in precision radiation therapy for lung cancer. Translational Lung Cancer Research, 2017, 6, 689-707.	2.8	56
36	Texture analysis using proton density and T2 relaxation in patients with histological usual interstitial pneumonia (UIP) or nonspecific interstitial pneumonia (NSIP). PLoS ONE, 2017, 12, e0177689.	2.5	12

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37	Five-dimensional respiratory and cardiac motion compensation for simultaneous PET/MR. , 2016, , .		0
38	On contrast mechanisms in pâ€spspace imaging. Magnetic Resonance in Medicine, 2016, 75, 2526-2533.	3.0	2
39	Respiratory motion compensation for simultaneous PET/MR based on highly undersampled MR data. Medical Physics, 2016, 43, 6234-6245.	3.0	28
40	Regional Lung Ventilation Analysis Using Temporally Resolved Magnetic Resonance Imaging. Journal of Computer Assisted Tomography, 2016, 40, 899-906.	0.9	7
41	Flowâ€compensated intravoxel incoherent motion diffusion imaging. Magnetic Resonance in Medicine, 2015, 74, 410-419.	3.0	83
42	Longitudinal Stability of MRI QA up to Two Years on Eight Clinical 1.5 T MR-Linacs. Frontiers in Physics, 0, 10, .	2.1	1