Faisal Mahmood

List of Publications by Year in descending order

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31 papers	769 citations	566801 15 h-index	525886 27 g-index
34 all docs	34 docs citations	34 times ranked	842 citing authors

#	Article	IF	Citations
1	Preclinical Validation of Electrochemotherapy as an Effective Treatment for Brain Tumors. Cancer Research, 2011, 71, 3753-3762.	0.4	86
2	First clinical experiences with a high field 1.5 T MR linac. Acta OncolÃ³gica, 2019, 58, 1352-1357.	0.8	72
3	Quantitative imaging for radiotherapy purposes. Radiotherapy and Oncology, 2020, 146, 66-75.	0.3	71
4	Surface guided radiotherapy (SGRT) improves breast cancer patient setup accuracy. Journal of Applied Clinical Medical Physics, 2019, 20, 61-68.	0.8	69
5	Normal and Malignant Cells Exhibit Differential Responses to Calcium Electroporation. Cancer Research, 2017, 77, 4389-4401.	0.4	61
6	Optimizing clinical performance and geometrical robustness of a new electrode device for intracranial tumor electroporation. Bioelectrochemistry, 2011, 81, 10-16.	2.4	45
7	Repeated diffusion MRI reveals earliest time point for stratification of radiotherapy response in brain metastases. Physics in Medicine and Biology, 2017, 62, 2990-3002.	1.6	36
8	Optimizing MR-Guided Radiotherapy for Breast Cancer Patients. Frontiers in Oncology, 2020, 10, 1107.	1.3	36
9	Cone beam computed tomography guided treatment delivery and planning verification for magnetic resonance imaging only radiotherapy of the brain. Acta OncolÃ³gica, 2015, 54, 1496-1500.	0.8	34
10	Online adaptive radiotherapy potentially reduces toxicity for high-risk prostate cancer treatment. Radiotherapy and Oncology, 2022, 167, 165-171.	0.3	30
11	Efficacy of transgene expression in porcine skin as a function of electrode choice. Bioelectrochemistry, 2011, 82, 95-102.	2.4	27
12	Diffusion-Weighted MRI for Verification of Electroporation-Based Treatments. Journal of Membrane Biology, 2011, 240, 131-138.	1.0	22
13	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.	1.3	21
14	Detection of electroporation-induced membrane permeabilization states in the brain using diffusion-weighted MRI. Acta OncolÃ³gica, 2015, 54, 289-297.	0.8	16
15	Phantom-based quality assurance for multicenter quantitative MRI in locally advanced cervical cancer. Radiotherapy and Oncology, 2020, 153, 114-121.	0.3	15
16	The effect of region of interest strategies on apparent diffusion coefficient assessment in patients treated with palliative radiation therapy to brain metastases. Acta OncolÃ³gica, 2015, 54, 1529-1534.	0.8	14
17	Accuracy of automatic structure propagation for daily magnetic resonance image-guided head and neck radiotherapy. Acta OncolÃ³gica, 2021, 60, 589-597.	0.8	13
18	End-to-end validation of the geometric dose delivery performance of MR linac adaptive radiotherapy. Physics in Medicine and Biology, 2021, 66, 045034.	1.6	12

#	Article	IF	Citations
19	Evolution of the gross tumour volume extent during radiotherapy for glioblastomas. Radiotherapy and Oncology, 2021, 160, 40-46.	0.3	12
20	Diffusion MRI outlined viable tumour volume beats GTV in intra-treatment stratification of outcome. Radiotherapy and Oncology, 2020, 144, 121-126.	0.3	11
21	IPEM Topical Report: an international IPEM survey of MRI use for external beam radiotherapy treatment planning. Physics in Medicine and Biology, 2021, 66, 075007.	1.6	11
22	Safety of gadolinium based contrast agents in magnetic resonance imaging-guided radiotherapy â€“ An investigation of chelate stability using relaxometry. Physics and Imaging in Radiation Oncology, 2022, 21, 96-100.	1.2	11
23	Tumor-site specific geometric distortions in high field integrated magnetic resonance linear accelerator radiotherapy. Physics and Imaging in Radiation Oncology, 2020, 15, 100-104.	1.2	10
24	Ultra-early apparent diffusion coefficient change indicates irradiation and predicts radiotherapy outcome in brain metastases. Acta OncolÃ³gica, 2017, 56, 1651-1653.	0.8	8
25	Apparent diffusion coefficient measurement of the parotid gland parenchyma. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3812-3829.	1.1	6
26	Robust extraction of biological information from diffusion-weighted magnetic resonance imaging during radiotherapy using semi-automatic delineation. Physics and Imaging in Radiation Oncology, 2022, 21, 146-152.	1.2	4
27	Data-driven separation of MRI signal components for tissue characterization. Journal of Magnetic Resonance, 2021, 333, 107103.	1.2	2
28	Electrochemotherapy for Primary and Secondary Brain Tumors. , 2011, , 195-206.		1
29	Optical surface scanning for respiratory motion monitoring in radiotherapy: a feasibility study. Proceedings of SPIE, 2014, , .	0.8	0
30	Diffusion Weighted Magnetic Resonance Imaging for Detection of Tissue Electroporation In Vivo. , 2017, , 723-743.		0
31	Diffusion Weighted Magnetic Resonance Imaging for Detection of Tissue Electroporation in vivo. , 2016, , 1-22.		0