

Doan Trang Nguyen

List of Publications by Year in descending order

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docs citations

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986
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of deep learning based implanted fiducial markers tracking in pancreatic cancer patients. Biomedical Physics and Engineering Express, 2023, 9, 035008.	1.8	2
2	Deep learning enables MV-based real-time image guided radiation therapy for prostate cancer patients. Physics in Medicine and Biology, 2023, 68, 095016.	3.5	9
3	Optimising multi-target multileaf collimator tracking using real-time dose for locally advanced prostate cancer patients. Physics in Medicine and Biology, 2022, 67, 185003.	3.5	3
4	MLC tracking for lung SABR is feasible, efficient and delivers high-precision target dose and lower normal tissue dose. Radiotherapy and Oncology, 2021, 155, 131-137.	0.9	24
5	Dose-based optimisation for multi-leaf collimator tracking during radiation therapy. Physics in Medicine and Biology, 2021, 66, 065027.	3.5	5
6	Pre-treatment and real-time image guidance for a fixed-beam radiotherapy system. Physics in Medicine and Biology, 2021, 66, 064003.	3.5	1
7	A real-time IGRT method using a Kalman filter framework to extract 3D positions from 2D projections. Physics in Medicine and Biology, 2021, 66, 214001.	3.5	2
8	A review of artificial intelligence applications for motion tracking in radiotherapy. Journal of Medical Imaging and Radiation Oncology, 2021, 65, 596-611.	1.2	14
9	The first prospective implementation of markerless lung target tracking in an experimental quality assurance procedure on a standard linear accelerator. Physics in Medicine and Biology, 2020, 65, 025008.	3.5	9
10	First experimental investigation of simultaneously tracking two independently moving targets on an MRIâ€inac using realâ€time MRI and MLC tracking. Medical Physics, 2020, 47, 6440-6449.	3.4	29
11	Is multileaf collimator tracking or gating a better intrafraction motion adaptation strategy? An analysis of the TROG 15.01 stereotactic prostate ablative radiotherapy with KIM (SPARK) trial. Radiotherapy and Oncology, 2020, 151, 234-241.	0.9	10
12	Experimental evaluation of the dosimetric impact of intrafraction prostate rotation using film measurement with a 6DoF robotic arm. Medical Physics, 2020, 47, 6068-6076.	3.4	2
13	Real-Time Image Guided Ablative Prostate Cancer Radiation Therapy: Results From the TROG 15.01 SPARK Trial. International Journal of Radiation Oncology Biology Physics, 2020, 107, 530-538.	0.7	38
14	The accuracy and precision of the KIM motion monitoring system used in the multiâ€institutional TROG 15.01 Stereotactic Prostate Ablative Radiotherapy with KIM (SPARK) trial. Medical Physics, 2019, 46, 4725-4737.	3.4	15
15	Real-time intrafraction motion monitoring in external beam radiotherapy. Physics in Medicine and Biology, 2019, 64, 15TR01.	3.5	158
16	Dosimetric impact of intrafraction rotations in stereotactic prostate radiotherapy: A subset analysis of the TROG 15.01 SPARK trial. Radiotherapy and Oncology, 2019, 136, 143-147.	0.9	23
17	A six-degree-of-freedom robotic motion system for quality assurance of real-time image-guided radiotherapy. Physics in Medicine and Biology, 2019, 64, 105021.	3.5	11
18	A deep learning framework for automatic detection of arbitrarily shaped fiducial markers in intrafraction fluoroscopic images. Medical Physics, 2019, 46, 2286-2297.	3.4	22

#	ARTICLE	IF	CITATIONS
19	Review of Real-Time 3-Dimensional Image Guided Radiation Therapy on Standard-Equipped Cancer Radiation Therapy Systems: Are We at the Tipping Point for the Era of Real-Time Radiation Therapy?. International Journal of Radiation Oncology Biology Physics, 2018, 102, 922-931.	0.7	48
20	The accuracy and precision of Kilovoltage Intrafraction Monitoring (KIM) six degree-of-freedom prostate motion measurements during patient treatments. Radiotherapy and Oncology, 2018, 126, 236-243.	0.9	17
21	A comparison of gantry-mounted x-ray-based real-time target tracking methods. Medical Physics, 2018, 45, 1222-1232.	3.4	10
22	The first clinical implementation of real-time image-guided adaptive radiotherapy using a standard linear accelerator. Radiotherapy and Oncology, 2018, 127, 6-11.	0.9	60
23	An augmented correlation framework for the estimation of tumour translational and rotational motion during external beam radiotherapy treatments using intermittent monoscopic x-ray imaging and an external respiratory signal. Physics in Medicine and Biology, 2018, 63, 205003.	3.5	5
24	The first clinical implementation of a real-time six degree of freedom target tracking system during radiation therapy based on Kilovoltage Intrafraction Monitoring (KIM). Radiotherapy and Oncology, 2017, 123, 37-42.	0.9	43
25	Reducing false arrhythmia alarms in the ICU using multimodal signals and robust QRS detection. Physiological Measurement, 2016, 37, 1340-1354.	3.0	13
26	Observations on Attenuation of Local Electrogram Amplitude and Circuit Impedance During Atrial Radiofrequency Ablation: An <i>In vivo</i> Investigation Using a Novel Direct Endocardial Visualization Catheter. Journal of Cardiovascular Electrophysiology, 2015, 26, 1250-1256.	2.2	7
27	Reducing false arrhythmia alarms in the ICU by Hilbert QRS detection. , 2015, , 1173-1176.		11
28	Acoustic Signal Emission Monitoring as a Novel Method to Predict Steam Pops During Radiofrequency Ablation: Preliminary Observations. Journal of Cardiovascular Electrophysiology, 2015, 26, 440-447.	2.2	9
29	Perfusion redistribution after a pulmonary-embolism-like event with contrast enhanced EIT. Physiological Measurement, 2015, 36, 1297-1309.	3.0	23
30	Electrical Impedance Tomography for assessing Ventilation/Perfusion mismatch for Pulmonary Embolism detection without interruptions in respiration. , 2014, , 6068-6071.		3
31	Active electrode design suitable for simultaneous EIT and EEG. Electronics Letters, 2012, 48, 1583-1584.	0.9	10
32	A review on electrical impedance tomography for pulmonary perfusion imaging. Physiological Measurement, 2012, 33, 695-706.	3.0	101