

Doan Trang Nguyen

List of Publications by Year in descending order

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30
papers

620
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times ranked

817
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. | 3.0 | 141 |
| 2 | The first clinical implementation of real-time image-guided adaptive radiotherapy using a standard linear accelerator. <i>Radiotherapy and Oncology</i> , 2018, 127, 6-11. | 0.6 | 58 |
| 3 | 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?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 922-931. | 0.8 | 48 |
| 4 | Stereotactic prostate adaptive radiotherapy utilising kilovoltage intrafraction monitoring: the TROG 15.01 SPARK trial. <i>BMC Cancer</i> , 2017, 17, 180. | 2.6 | 40 |
| 5 | The first clinical implementation of a real-time six degree of freedom target tracking system during radiation therapy based on Kilovoltage Intrafraction Monitoring (KIM). <i>Radiotherapy and Oncology</i> , 2017, 123, 37-42. | 0.6 | 39 |
| 6 | Real-Time Image Guided Ablative Prostate Cancer Radiation Therapy: Results From the TROG 15.01 SPARK Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 530-538. | 0.8 | 35 |
| 7 | Dosimetric impact of intrafraction rotations in stereotactic prostate radiotherapy: A subset analysis of the TROG 15.01 SPARK trial. <i>Radiotherapy and Oncology</i> , 2019, 136, 143-147. | 0.6 | 24 |
| 8 | First experimental investigation of simultaneously tracking two independently moving targets on an MRIâ€linac using realâ€time MRI and MLC tracking. <i>Medical Physics</i> , 2020, 47, 6440-6449. | 2.9 | 24 |
| 9 | A deep learning framework for automatic detection of arbitrarily shaped fiducial markers in intrafraction fluoroscopic images. <i>Medical Physics</i> , 2019, 46, 2286-2297. | 2.9 | 21 |
| 10 | Realâ€time intrafraction prostate motion during linac based stereotactic radiotherapy with rectal displacement. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 130-136. | 1.8 | 20 |
| 11 | MLC tracking for lung SABR is feasible, efficient and delivers high-precision target dose and lower normal tissue dose. <i>Radiotherapy and Oncology</i> , 2021, 155, 131-137. | 0.6 | 20 |
| 12 | 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. <i>Medical Physics</i> , 2019, 46, 4725-4737. | 2.9 | 15 |
| 13 | Reducing false arrhythmia alarms in the ICU using multimodal signals and robust QRS detection. <i>Physiological Measurement</i> , 2016, 37, 1340-1354. | 2.2 | 13 |
| 14 | A review of artificial intelligence applications for motion tracking in radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021, 65, 596-611. | 1.9 | 11 |
| 15 | Reducing false arrhythmia alarms in the ICU by Hilbert QRS detection. , 2015, , . | | 10 |
| 16 | A comparison of gantryâ€mounted xâ€rayâ€based realâ€time target tracking methods. <i>Medical Physics</i> , 2018, 45, 1222-1232. | 2.9 | 10 |
| 17 | A six-degree-of-freedom robotic motion system for quality assurance of real-time image-guided radiotherapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 105021. | 3.0 | 10 |
| 18 | Acoustic Signal Emission Monitoring as a Novel Method to Predict Steam Pops During Radiofrequency Ablation: Preliminary Observations. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 440-447. | 1.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The first prospective implementation of markerless lung target tracking in an experimental quality assurance procedure on a standard linear accelerator. <i>Physics in Medicine and Biology</i> , 2020, 65, 025008. | 3.0 | 9 |
| 20 | 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. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 1250-1256. | 1.7 | 6 |
| 21 | 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. <i>Physics in Medicine and Biology</i> , 2018, 63, 205003. | 3.0 | 5 |
| 22 | Dose-based optimisation for multi-leaf collimator tracking during radiation therapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 065027. | 3.0 | 5 |
| 23 | Study protocol of the LARK (TROG 17.03) clinical trial: a phase II trial investigating the dosimetric impact of Liver Ablative Radiotherapy using Kilovoltage intrafraction monitoring. <i>BMC Cancer</i> , 2021, 21, 494. | 2.6 | 5 |
| 24 | Deep learning enables MV-based real-time image guided radiation therapy for prostate cancer patients. <i>Physics in Medicine and Biology</i> , 2023, 68, 095016. | 3.0 | 5 |
| 25 | Electrical Impedance Tomography for assessing Ventilation/Perfusion mismatch for Pulmonary Embolism detection without interruptions in respiration. , 2014, 2014, 6068-71. | | 3 |
| 26 | Optimising multi-target multileaf collimator tracking using real-time dose for locally advanced prostate cancer patients. <i>Physics in Medicine and Biology</i> , 2022, 67, 185003. | 3.0 | 3 |
| 27 | Experimental evaluation of the dosimetric impact of intrafraction prostate rotation using film measurement with a 6DoF robotic arm. <i>Medical Physics</i> , 2020, 47, 6068-6076. | 2.9 | 2 |
| 28 | Pre-treatment and real-time image guidance for a fixed-beam radiotherapy system. <i>Physics in Medicine and Biology</i> , 2021, 66, 064003. | 3.0 | 1 |
| 29 | A real-time IGRT method using a Kalman filter framework to extract 3D positions from 2D projections. <i>Physics in Medicine and Biology</i> , 2021, 66, 214001. | 3.0 | 1 |
| 30 | Evaluation of deep learning based implanted fiducial markers tracking in pancreatic cancer patients. <i>Biomedical Physics and Engineering Express</i> , 0, , . | 1.2 | 0 |