

Simeon Nill

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

606
citations

686830

13
h-index

610482

24
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24
all docs

24
docs citations

24
times ranked

639
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | New target volume delineation and PTV strategies to further personalise radiotherapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 055024. | 1.6 | 5 |
| 3 | Machine QA for the Elekta Unity system: A Report from the Elekta MRâ€linac consortium. <i>Medical Physics</i> , 2021, 48, e67-e85. | 1.6 | 52 |
| 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 | A treatment planning study of combined carbon ion-beam plus photon intensity-modulated radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 16-22. | 1.2 | 3 |
| 6 | 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 |
| 7 | Dosimetric accuracy of delivering SBRT using dynamic arcs on Cyberknife. <i>Medical Physics</i> , 2020, 47, 1533-1544. | 1.6 | 5 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Beam selection for stereotactic ablative radiotherapy using Cyberknife with multileaf collimation. <i>Medical Engineering and Physics</i> , 2019, 64, 28-36. | 0.8 | 10 |
| 12 | Magnetic resonance imaging sequence evaluation of an MR Linac system; early clinical experience. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2019, 12, 56-63. | 0.6 | 14 |
| 13 | The impact of 2D cine MR imaging parameters on automated tumor and organ localization for MR-guided real-time adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 235005. | 1.6 | 10 |
| 14 | Super-resolution T2-weighted 4D MRI for image guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2018, 129, 486-493. | 0.3 | 16 |
| 15 | Online dose reconstruction for tracked volumetric arc therapy: Realâ€time implementation and offline quality assurance for prostate SBRT. <i>Medical Physics</i> , 2017, 44, 5997-6007. | 1.6 | 16 |
| 16 | T2-Weighted 4D Magnetic Resonance Imaging for Application in Magnetic Resonanceâ€Guided Radiotherapy Treatment Planning. <i>Investigative Radiology</i> , 2017, 52, 563-573. | 3.5 | 29 |
| 17 | Realâ€time 4D dose reconstruction for tracked dynamic MLC deliveries for lung SBRT. <i>Medical Physics</i> , 2016, 43, 6072-6081. | 1.6 | 34 |
| 18 | First evaluation of the feasibility of MLC tracking using ultrasound motion estimation. <i>Medical Physics</i> , 2016, 43, 4628-4633. | 1.6 | 27 |

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|----|--|-----|-----------|
| 19 | The potential of MRI-guided online adaptive re-optimisation in radiotherapy of urinary bladder cancer. <i>Radiotherapy and Oncology</i> , 2016, 118, 154-159. | 0.3 | 49 |
| 20 | Evaluation of three presets for four-dimensional cone beam CT in lung radiotherapy verification by visual grading analysis. <i>British Journal of Radiology</i> , 2016, 89, 20150933. | 1.0 | 9 |
| 21 | Lung stereotactic body radiotherapy with an MR-linac – Quantifying the impact of the magnetic field and real-time tumor tracking. <i>Radiotherapy and Oncology</i> , 2016, 119, 461-466. | 0.3 | 88 |
| 22 | Effect of MLC tracking latency on conformal volumetric modulated arc therapy (VMAT) plans in 4D stereotactic lung treatment. <i>Radiotherapy and Oncology</i> , 2015, 117, 491-495. | 0.3 | 33 |
| 23 | Dynamic tumor tracking using the Elekta Agility MLC. <i>Medical Physics</i> , 2014, 41, 111719. | 1.6 | 69 |
| 24 | Real-time tumor tracking: Automatic compensation of target motion using the Siemens 160 MLC. <i>Medical Physics</i> , 2010, 37, 753-761. | 1.6 | 72 |