

Mischa S Hoogeman

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,260
citations

279798

23
h-index

223800

46
g-index

61
all docs

61
docs citations

61
times ranked

2311
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Clinical Accuracy of the Respiratory Tumor Tracking System of the CyberKnife: Assessment by Analysis of Log Files. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 297-303. | 0.8 | 304 |
| 2 | ESTRO ACROP consensus guideline on implementation and practice of stereotactic body radiotherapy for peripherally located early stage non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2017, 124, 11-17. | 0.6 | 230 |
| 3 | Time Dependence of Intrafraction Patient Motion Assessed by Repeat Stereoscopic Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 609-618. | 0.8 | 215 |
| 4 | Clinical Implementation of an Online Adaptive Plan-of-the-Day Protocol for Nonrigid Motion Management in Locally Advanced Cervical Cancer IMRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 673-679. | 0.8 | 146 |
| 5 | Local Anatomic Changes in Parotid and Submandibular Glands During Radiotherapy for Oropharynx Cancer and Correlation With Dose, Studied in Detail With Nonrigid Registration. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 875-882. | 0.8 | 118 |
| 6 | Dose Uncertainties in IMPT for Oropharyngeal Cancer in the Presence of Anatomical, Range, and Setup Errors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 888-896. | 0.8 | 96 |
| 7 | Comparison of VMAT and IMRT strategies for cervical cancer patients using automated planning. <i>Radiotherapy and Oncology</i> , 2015, 114, 395-401. | 0.6 | 80 |
| 8 | Stereotactic Body Radiation Therapy for Oligometastases to the Lung: A Phase 2 Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 337-343. | 0.8 | 69 |
| 9 | Robustness Recipes for Minimax Robust Optimization in Intensity Modulated Proton Therapy for Oropharyngeal Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 163-170. | 0.8 | 62 |
| 10 | Shortening Delivery Times of Intensity Modulated Proton Therapy by Reducing Proton Energy Layers During Treatment Plan Optimization. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 460-468. | 0.8 | 55 |
| 11 | Validation of Fully Automated VMAT Plan Generation for Library-Based Plan-of-the-Day Cervical Cancer Radiotherapy. <i>PLoS ONE</i> , 2016, 11, e0169202. | 2.5 | 55 |
| 12 | The price of robustness; impact of worst-case optimization on organ-at-risk dose and complication probability in intensity-modulated proton therapy for oropharyngeal cancer patients. <i>Radiotherapy and Oncology</i> , 2016, 120, 56-62. | 0.6 | 49 |
| 13 | Quantification of intra-fraction changes during radiotherapy of cervical cancer assessed with pre- and post-fraction Cone Beam CT scans. <i>Radiotherapy and Oncology</i> , 2015, 117, 536-541. | 0.6 | 46 |
| 14 | Long-term risks of secondary cancer for various whole and partial breast irradiation techniques. <i>Radiotherapy and Oncology</i> , 2018, 128, 428-433. | 0.6 | 45 |
| 15 | Robust contour propagation using deep learning and image registration for online adaptive proton therapy of prostate cancer. <i>Medical Physics</i> , 2019, 46, 3329-3343. | 3.0 | 43 |
| 16 | Intrafraction Prostate Translations and Rotations During Hypofractionated Robotic Radiation Surgery: Dosimetric Impact of Correction Strategies and Margins. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 1154-1160. | 0.8 | 40 |
| 17 | Near real-time automated dose restoration in IMPT to compensate for daily tissue density variations in prostate cancer. <i>Physics in Medicine and Biology</i> , 2017, 62, 4254-4272. | 3.0 | 37 |
| 18 | Impact of model and dose uncertainty on model-based selection of oropharyngeal cancer patients for proton therapy. <i>Acta Oncologica</i> , 2017, 56, 1444-1450. | 1.8 | 33 |

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|----|--|-----|-----------|
| 19 | An automated planning strategy for near real-time adaptive proton therapy in prostate cancer. <i>Physics in Medicine and Biology</i> , 2018, 63, 135017. | 3.0 | 32 |
| 20 | Survival and prognostic factors of pulmonary oligometastases treated with stereotactic body radiotherapy. <i>Acta Oncologica</i> , 2019, 58, 74-80. | 1.8 | 30 |
| 21 | Factors affecting local control of pulmonary oligometastases treated with stereotactic body radiotherapy. <i>Acta Oncologica</i> , 2018, 57, 1031-1037. | 1.8 | 28 |
| 22 | CyberKnife with integrated CT-on-rails: System description and first clinical application for pancreas SBRT. <i>Medical Physics</i> , 2017, 44, 4816-4827. | 3.0 | 26 |
| 23 | The impact of treatment accuracy on proton therapy patient selection for oropharyngeal cancer patients. <i>Radiotherapy and Oncology</i> , 2017, 125, 520-525. | 0.6 | 26 |
| 24 | Four-dimensional Stereotactic Radiotherapy for Early Stage Non-Small Cell Lung Cancer: A Comparative Planning Study. <i>Technology in Cancer Research and Treatment</i> , 2008, 7, 27-33. | 1.9 | 25 |
| 25 | Lower doses to hippocampi and other brain structures for skull-base meningiomas with intensity modulated proton therapy compared to photon therapy. <i>Radiotherapy and Oncology</i> , 2020, 142, 147-153. | 0.6 | 23 |
| 26 | Improving anatomical mapping of complexly deformed anatomy for external beam radiotherapy and brachytherapy dose accumulation in cervical cancer. <i>Medical Physics</i> , 2015, 42, 206-220. | 3.0 | 22 |
| 27 | Modeling daily changes in organ-at-risk anatomy in a cohort of pancreatic cancer patients. <i>Radiotherapy and Oncology</i> , 2019, 134, 127-134. | 0.6 | 22 |
| 28 | Predicting High-Grade Esophagus Toxicity After Treating Central Lung Tumors With Stereotactic Radiation Therapy Using a Normal Tissue Complication Probability Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 73-81. | 0.8 | 21 |
| 29 | Prognostic factors for local control and survival for inoperable pulmonary colorectal oligometastases treated with stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2020, 144, 23-29. | 0.6 | 21 |
| 30 | Which cervical and endometrial cancer patients will benefit most from intensity-modulated proton therapy?. <i>Radiotherapy and Oncology</i> , 2016, 120, 397-403. | 0.6 | 19 |
| 31 | Intrafraction motion during partial breast irradiation depends on treatment time. <i>Radiotherapy and Oncology</i> , 2021, 159, 176-182. | 0.6 | 19 |
| 32 | Plan-library supported automated replanning for online-adaptive intensity-modulated proton therapy of cervical cancer. <i>Acta Oncologica</i> , 2019, 58, 1440-1445. | 1.8 | 16 |
| 33 | Model based patient pre-selection for intensity-modulated proton therapy (IMPT) using automated treatment planning and machine learning. <i>Radiotherapy and Oncology</i> , 2021, 158, 224-229. | 0.6 | 14 |
| 34 | Characterization of the HollandPTC proton therapy beamline dedicated to uveal melanoma treatment and an interinstitutional comparison. <i>Medical Physics</i> , 2021, 48, 4506-4522. | 3.0 | 13 |
| 35 | Comparison of Daily Online Plan Adaptation Strategies for a Cohort of Pancreatic Cancer Patients Treated with SBRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 208-219. | 0.8 | 13 |
| 36 | Online-adaptive versus robust IMPT for prostate cancer: How much can we gain?. <i>Radiotherapy and Oncology</i> , 2020, 151, 228-233. | 0.6 | 12 |

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|----|--|-----|-----------|
| 37 | Optimal Patient Positioning (Prone Versus Supine) for VMAT in Gynecologic Cancer: A Dosimetric Study on the Effect of Different Margins. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 432-439. | 0.8 | 10 |
| 38 | Consequences of Referral Time and Volume Doubling Time in Inoperable Patients With Early Stage Lung Cancer. <i>Clinical Lung Cancer</i> , 2017, 18, e403-e409. | 2.6 | 10 |
| 39 | Commissioning and clinical implementation of the first commercial independent Monte Carlo 3D dose calculation to replace CyberKnife M6 patient-specific QA measurements. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 304-311. | 1.9 | 10 |
| 40 | Dosimetric Impact of Intrafraction Motion in Online-Adaptive Intensity Modulated Proton Therapy for Cervical Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1580-1587. | 0.8 | 10 |
| 41 | Accuracy of dwell position detection with a combined electromagnetic tracking brachytherapy system for treatment verification in pelvic brachytherapy. <i>Radiotherapy and Oncology</i> , 2021, 154, 249-254. | 0.6 | 10 |
| 42 | Accurate assessment of a Dutch practical robustness evaluation protocol in clinical PT with pencil beam scanning for neurological tumors. <i>Radiotherapy and Oncology</i> , 2021, 163, 121-127. | 0.6 | 10 |
| 43 | Single-isocenter versus multiple-isocenters for multiple lung metastases: Evaluation of lung dose. <i>Radiotherapy and Oncology</i> , 2022, 166, 189-194. | 0.6 | 10 |
| 44 | Fast and robust adaptation of organs-at-risk delineations from planning scans to match daily anatomy in pre-treatment scans for online-adaptive radiotherapy of abdominal tumors. <i>Radiotherapy and Oncology</i> , 2018, 127, 332-338. | 0.6 | 9 |
| 45 | Patient-reported acute GI symptoms in locally advanced cervical cancer patients correlate with rectal dose. <i>Radiotherapy and Oncology</i> , 2020, 148, 38-43. | 0.6 | 9 |
| 46 | Seminal vesicle inter- and intra-fraction motion during radiotherapy for prostate cancer: A review. <i>Radiotherapy and Oncology</i> , 2022, 169, 15-24. | 0.6 | 8 |
| 47 | Development and external validation of a nomogram to predict overall survival following stereotactic body radiotherapy for early-stage lung cancer. <i>Radiation Oncology</i> , 2020, 15, 89. | 2.7 | 7 |
| 48 | An optimal acquisition and post-processing pipeline for hybrid IVIM-DKI in head and neck. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 777-789. | 3.0 | 7 |
| 49 | Fiducial marker motion relative to the tumor bed has a significant impact on PTV margins in partial breast irradiation. <i>Radiotherapy and Oncology</i> , 2021, 163, 1-6. | 0.6 | 6 |
| 50 | How should we model and evaluate breathing interplay effects in IMPT?. <i>Physics in Medicine and Biology</i> , 2021, 66, 235003. | 3.0 | 6 |
| 51 | Acute toxicity of the bowel after stereotactic robotic radiotherapy for abdominopelvic oligometastases. <i>Acta Oncologica</i> , 2018, 57, 480-484. | 1.8 | 5 |
| 52 | Evaluation of an Open Source Registration Package for Automatic Contour Propagation in Online Adaptive Intensity-Modulated Proton Therapy of Prostate Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 1297. | 2.8 | 5 |
| 53 | Reducing the Risk of Secondary Lung Cancer in Treatment Planning of Accelerated Partial Breast Irradiation. <i>Frontiers in Oncology</i> , 2020, 10, 1445. | 2.8 | 5 |
| 54 | Impact of interfractional target motion in locally advanced cervical cancer patients treated with spot scanning proton therapy using an internal target volume strategy. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 17, 84-90. | 2.9 | 4 |

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|----|--|-----|-----------|
| 55 | Margin calculation for multiple lung metastases treated with single-isocenter SBRT. <i>Radiotherapy and Oncology</i> , 2021, 162, 105-111. | 0.6 | 4 |
| 56 | Prognostic factors of local control and disease free survival in centrally located non-small cell lung cancer treated with stereotactic body radiation therapy. <i>Acta Oncologica</i> , 2020, 59, 809-817. | 1.8 | 3 |
| 57 | Single-institution clinical experience using robust intensity modulated proton therapy in chordoma and chondrosarcoma of the mobile spine and sacrum: Feasibility and need for plan adaptation. <i>Radiotherapy and Oncology</i> , 2022, 166, 58-64. | 0.6 | 3 |
| 58 | Improving organs-at-risk sparing for choroidal melanoma patients: A CT-based two-beam strategy in ocular proton therapy with a dedicated eyeline. <i>Radiotherapy and Oncology</i> , 2022, 171, 173-181. | 0.6 | 3 |
| 59 | A model-based patient selection tool to identify who may be at risk of exceeding dose tolerances during pancreatic SBRT. <i>Radiotherapy and Oncology</i> , 2019, 141, 116-122. | 0.6 | 1 |
| 60 | Evaluation of alternative parameter settings for dose restoration and full plan adaptation in IMPT for prostate cancer. <i>Physica Medica</i> , 2021, 92, 15-23. | 0.7 | 0 |
| 61 | The COMPLETE trial: Holistic early response assessment for oropharyngeal cancer patients; Protocol for an observational study. <i>BMJ Open</i> , 2022, 12, e059345. | 1.9 | 0 |