Mischa S Hoogeman

List of Publications by Year
in descending order

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	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. Radiotherapy and Oncology, 2022, 166, 58-64.	0.6	3
2	Single-isocenter versus multiple-isocenters for multiple lung metastases: Evaluation of lung dose. Radiotherapy and Oncology, 2022, 166, 189-194.	0.6	10
3	Seminal vesicle inter- and intra-fraction motion during radiotherapy for prostate cancer: A review. Radiotherapy and Oncology, 2022, 169, 15-24.	0.6	8
4	Improving organs-at-risk sparing for choroidal melanoma patients: A CT-based two-beam strategy in ocular proton therapy with a dedicated eyeline. Radiotherapy and Oncology, 2022, 171, 173-181.	0.6	3
5	The COMPLETE trial: HolistiC early respOnse assessMent for oroPharyngeaL cancEr paTiEnts; Protocol for an observational study. BMJ Open, 2022, 12, e059345.	1.9	0
6	Dosimetric Impact of Intrafraction Motion in Online-Adaptive Intensity Modulated Proton Therapy for Cervical Cancer. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1580-1587.	0.8	10
7	Accuracy of dwell position detection with a combined electromagnetic tracking brachytherapy system for treatment verification in pelvic brachytherapy. Radiotherapy and Oncology, 2021, 154, 249-254.	0.6	10
8	An optimal acquisition and postâ€processing pipeline for hybrid IVIMâ€DKI in head and neck. Magnetic Resonance in Medicine, 2021, 85, 777-789.	3.0	7
9	Impact of interfractional target motion in locally advanced cervical cancer patients treated with spot scanning proton therapy using an internal target volume strategy. Physics and Imaging in Radiation Oncology, 2021, 17, 84-90.	2.9	4
10	Model based patient pre-selection for intensity-modulated proton therapy (IMPT) using automated treatment planning and machine learning. Radiotherapy and Oncology, 2021, 158, 224-229.	0.6	14
11	Intrafraction motion during partial breast irradiation depends on treatment time. Radiotherapy and Oncology, 2021, 159, 176-182.	0.6	19
12	Characterization of the HollandPTC proton therapy beamline dedicated to uveal melanoma treatment and an interinstitutional comparison. Medical Physics, 2021, 48, 4506-4522.	3.0	13
13	Margin calculation for multiple lung metastases treated with single-isocenter SBRT. Radiotherapy and Oncology, 2021, 162, 105-111.	0.6	4
14	Comparison of Daily Online Plan Adaptation Strategies for a Cohort of Pancreatic Cancer Patients Treated with SBRT. International Journal of Radiation Oncology Biology Physics, 2021, 111, 208-219.	0.8	13
15	Fiducial marker motion relative to the tumor bed has a significant impact on PTV margins in partial breast irradiation. Radiotherapy and Oncology, 2021, 163, 1-6.	0.6	6
16	Accurate assessment of a Dutch practical robustness evaluation protocol in clinical PT with pencil beam scanning for neurological tumors. Radiotherapy and Oncology, 2021, 163, 121-127.	0.6	10
17	How should we model and evaluate breathing interplay effects in IMPT?. Physics in Medicine and Biology, 2021, 66, 235003.	3.0	6
18	Evaluation of alternative parameter settings for dose restoration and full plan adaptation in IMPT for prostate cancer. Physica Medica, 2021, 92, 15-23.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Lower doses to hippocampi and other brain structures for skull-base meningiomas with intensity modulated proton therapy compared to photon therapy. Radiotherapy and Oncology, 2020, 142, 147-153.	0.6	23
20	Predicting High-Grade Esophagus Toxicity After Treating Central Lung Tumors With Stereotactic Radiation Therapy Using a Normal Tissue Complication Probability Model. International Journal of Radiation Oncology Biology Physics, 2020, 106, 73-81.	0.8	21
21	Prognostic factors for local control and survival for inoperable pulmonary colorectal oligometastases treated with stereotactic body radiotherapy. Radiotherapy and Oncology, 2020, 144, 23-29.	0.6	21
22	Online-adaptive versus robust IMPT for prostate cancer: How much can we gain?. Radiotherapy and Oncology, 2020, 151, 228-233.	0.6	12
23	Reducing the Risk of Secondary Lung Cancer in Treatment Planning of Accelerated Partial Breast Irradiation. Frontiers in Oncology, 2020, 10, 1445.	2.8	5
24	Commissioning and clinical implementation of the first commercial independent Monte Carlo 3D dose calculation to replace CyberKnife M6â„¢ patientâ€specific QA measurements. Journal of Applied Clinical Medical Physics, 2020, 21, 304-311.	1.9	10
25	Development and external validation of a nomogram to predict overall survival following stereotactic body radiotherapy for early-stage lung cancer. Radiation Oncology, 2020, 15, 89.	2.7	7
26	Patient-reported acute GI symptoms in locally advanced cervical cancer patients correlate with rectal dose. Radiotherapy and Oncology, 2020, 148, 38-43.	0.6	9
27	Prognostic factors of local control and disease free survival in centrally located non-small cell lung cancer treated with stereotactic body radiation therapy. Acta OncolÃ³gica, 2020, 59, 809-817.	1.8	3
28	Plan-library supported automated replanning for online-adaptive intensity-modulated proton therapy of cervical cancer. Acta OncolÃ³gica, 2019, 58, 1440-1445.	1.8	16
29	A model-based patient selection tool to identify who may be at risk of exceeding dose tolerances during pancreatic SBRT. Radiotherapy and Oncology, 2019, 141, 116-122.	0.6	1
30	Robust contour propagation using deep learning and image registration for online adaptive proton therapy of prostate cancer. Medical Physics, 2019, 46, 3329-3343.	3.0	43
31	Modeling daily changes in organ-at-risk anatomy in a cohort of pancreatic cancer patients. Radiotherapy and Oncology, 2019, 134, 127-134.	0.6	22
32	Evaluation of an Open Source Registration Package for Automatic Contour Propagation in Online Adaptive Intensity-Modulated Proton Therapy of Prostate Cancer. Frontiers in Oncology, 2019, 9, 1297.	2.8	5
33	Survival and prognostic factors of pulmonary oligometastases treated with stereotactic body radiotherapy. Acta OncolÃ³gica, 2019, 58, 74-80.	1.8	30
34	Factors affecting local control of pulmonary oligometastases treated with stereotactic body radiotherapy. Acta OncolÃ³gica, 2018, 57, 1031-1037.	1.8	28
35	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. Radiotherapy and Oncology, 2018, 127, 332-338.	0.6	9
36	Acute toxicity of the bowel after stereotactic robotic radiotherapy for abdominopelvic oligometastases. Acta OncolÃ³gica, 2018, 57, 480-484.	1.8	5

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37	An automated planning strategy for near real-time adaptive proton therapy in prostate cancer. Physics in Medicine and Biology, 2018, 63, 135017.	3.0	32
38	Long-term risks of secondary cancer for various whole and partial breast irradiation techniques. Radiotherapy and Oncology, 2018, 128, 428-433.	0.6	45
39	Near real-time automated dose restoration in IMPT to compensate for daily tissue density variations in prostate cancer. Physics in Medicine and Biology, 2017, 62, 4254-4272.	3.0	37
40	Consequences of Referral Time and Volume Doubling Time in Inoperable Patients With Early Stage Lung Cancer. Clinical Lung Cancer, 2017, 18, e403-e409.	2.6	10
41	CyberKnife with integrated <scp>CT</scp>‑on‑rails: System description and first clinical application for pancreas <scp>SBRT</scp>. Medical Physics, 2017, 44, 4816-4827.	3.0	26
42	Impact of model and dose uncertainty on model-based selection of oropharyngeal cancer patients for proton therapy. Acta Oncológica, 2017, 56, 1444-1450.	1.8	33
43	The impact of treatment accuracy on proton therapy patient selection for oropharyngeal cancer patients. Radiotherapy and Oncology, 2017, 125, 520-525.	0.6	26
44	ESTRO ACROP consensus guideline on implementation and practice of stereotactic body radiotherapy for peripherally located early stage non-small cell lung cancer. Radiotherapy and Oncology, 2017, 124, 11-17.	0.6	230
45	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. Radiotherapy and Oncology, 2016, 120, 56-62.	0.6	49
46	Which cervical and endometrial cancer patients will benefit most from intensity-modulated proton therapy?. Radiotherapy and Oncology, 2016, 120, 397-403.	0.6	19
47	Optimal Patient Positioning (Prone Versus Supine) for VMAT in Gynecologic Cancer: A Dosimetric Study on the Effect of Different Margins. International Journal of Radiation Oncology Biology Physics, 2016, 96, 432-439.	0.8	10
48	Robustness Recipes for Minimax Robust Optimization in Intensity Modulated Proton Therapy for Oropharyngeal Cancer Patients. International Journal of Radiation Oncology Biology Physics, 2016, 95, 163-170.	0.8	62
49	Validation of Fully Automated VMAT Plan Generation for Library-Based Plan-of-the-Day Cervical Cancer Radiotherapy. PLoS ONE, 2016, 11, e0169202.	2.5	55
50	Improving anatomical mapping of complexly deformed anatomy for external beam radiotherapy and brachytherapy dose accumulation in cervical cancer. Medical Physics, 2015, 42, 206-220.	3.0	22
51	Quantification of intra-fraction changes during radiotherapy of cervical cancer assessed with pre- and post-fraction Cone Beam CT scans. Radiotherapy and Oncology, 2015, 117, 536-541.	0.6	46
52	Stereotactic Body Radiation Therapy for Oligometastases to the Lung: A Phase 2 Study. International Journal of Radiation Oncology Biology Physics, 2015, 91, 337-343.	0.8	69
53	Shortening Delivery Times of Intensity Modulated Proton Therapy by Reducing Proton Energy Layers During Treatment Plan Optimization. International Journal of Radiation Oncology Biology Physics, 2015, 92, 460-468.	0.8	55
54	Comparison of VMAT and IMRT strategies for cervical cancer patients using automated planning. Radiotherapy and Oncology, 2015, 114, 395-401.	0.6	80

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55	Clinical Implementation of an Online Adaptive Plan-of-the-Day Protocol for Nonrigid Motion Management in Locally Advanced Cervical Cancer IMRT. International Journal of Radiation Oncology Biology Physics, 2014, 90, 673-679.	0.8	146
56	Intrafraction Prostate Translations and Rotations During Hypofractionated Robotic Radiation Surgery: Dosimetric Impact of Correction Strategies and Margins. International Journal of Radiation Oncology Biology Physics, 2014, 88, 1154-1160.	0.8	40
57	Dose Uncertainties in IMPT for Oropharyngeal Cancer in the Presence of Anatomical, Range, and Setup Errors. International Journal of Radiation Oncology Biology Physics, 2013, 87, 888-896.	0.8	96
58	Clinical Accuracy of the Respiratory Tumor Tracking System of the CyberKnife: Assessment by Analysis of Log Files. International Journal of Radiation Oncology Biology Physics, 2009, 74, 297-303.	0.8	304
59	Time Dependence of Intrafraction Patient Motion Assessed by Repeat Stereoscopic Imaging. International Journal of Radiation Oncology Biology Physics, 2008, 70, 609-618.	0.8	215
60	Local Anatomic Changes in Parotid and Submandibular Glands During Radiotherapy for Oropharynx Cancer and Correlation With Dose, Studied in Detail With Nonrigid Registration. International Journal of Radiation Oncology Biology Physics, 2008, 70, 875-882.	0.8	118
61	Four-dimensional Stereotactic Radiotherapy for Early Stage Non-Small Cell Lung Cancer: A Comparative Planning Study. Technology in Cancer Research and Treatment, 2008, 7, 27-33.	1.9	25