

Jan-Jakob Sonke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

228
papers

8,256
citations

49
h-index

83
g-index

245
ext. papers

9,560
ext. citations

2.3
avg, IF

5.98
L-index

#	Paper	IF	Citations
228	The dosimetric and clinical advantages of the GTV-CTV-PTV margins reduction by 6mm in head and neck squamous cell carcinoma: significant acute and late toxicity reduction.. <i>Radiotherapy and Oncology</i> , 2022 ,	5.3	2
227	Master protocol trial design for technical feasibility of MR-guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2021 , 166, 33-36	5.3	0
226	Gastric deformation models for adaptive radiotherapy: Personalized vs Population-based strategy. <i>Radiotherapy and Oncology</i> , 2021 ,	5.3	1
225	Comparisons of normal tissue complication probability models derived from planned and delivered dose for head and neck cancer patients. <i>Radiotherapy and Oncology</i> , 2021 , 164, 209-215	5.3	
224	Improving linac integrated cone beam computed tomography image quality using tube current modulation. <i>Medical Physics</i> , 2021 , 48, 1739-1749	4.4	
223	Motion-compensated FDG PET/CT for oesophageal cancer. <i>Strahlentherapie Und Onkologie</i> , 2021 , 197, 791-801	4.3	0
222	Validation of a 4D-MRI guided liver stereotactic body radiation therapy strategy for implementation on the MR-linac. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	2
221	Non-small cell lung cancer stage migration as a function of wait times from diagnostic imaging: A pooled analysis from five international centres. <i>Lung Cancer</i> , 2021 , 155, 136-143	5.9	3
220	The dynamics and prognostic value of FDG PET-metrics in weekly monitoring of (chemo)radiotherapy for NSCLC. <i>Radiotherapy and Oncology</i> , 2021 , 160, 107-114	5.3	1
219	The first-in-human implementation of adaptive 4D cone beam CT for lung cancer radiotherapy: 4DCBCT in less time with less dose. <i>Radiotherapy and Oncology</i> , 2021 , 161, 29-34	5.3	0
218	Reduction of GTV to high-risk CTV radiation margin in head and neck squamous cell carcinoma significantly reduced acute and late radiation-related toxicity with comparable outcomes. <i>Radiotherapy and Oncology</i> , 2021 , 162, 170-177	5.3	1
217	Delivered dose-effect analysis of radiation induced rib fractures after thoracic SBRT. <i>Radiotherapy and Oncology</i> , 2021 , 162, 18-25	5.3	0
216	MR-Linac Radiotherapy - The Beam Angle Selection Problem. <i>Frontiers in Oncology</i> , 2021 , 11, 717681	5.3	1
215	A multivariable study of deformable image registration evaluation metrics in 4DCT of thoracic cancer patients. <i>Physics in Medicine and Biology</i> , 2021 , 66, 035019	3.8	0
214	Single-Center Prospective Trial Investigating the Feasibility of Serial FDG-PET Guided Adaptive Radiation Therapy for Head and Neck Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 108, 960-968	4	5
213	Feasibility of cone beam CT-guided library of plans strategy in pre-operative gastric cancer radiotherapy. <i>Radiotherapy and Oncology</i> , 2020 , 149, 49-54	5.3	2
212	First system for fully-automated multi-criterial treatment planning for a high-magnetic field MR-Linac applied to rectal cancer. <i>Acta Oncologica</i> , 2020 , 59, 926-932	3.2	8

211	In response to Park, et al. <i>Radiotherapy and Oncology</i> , 2020 , 147, 245-246	5.3	
210	The prognostic value of volumetric changes of the primary tumor measured on Cone Beam-CT during radiotherapy for concurrent chemoradiation in NSCLC patients. <i>Radiotherapy and Oncology</i> , 2020 , 146, 44-51	5.3	6
209	Correlating Dose Variables with Local Tumor Control in Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer: A Modeling Study on 1500 Individual Treatments. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 107, 579-586	4	16
208	The use of real-world evidence to audit normal tissue complication probability models for acute esophageal toxicity in non-small cell lung cancer patients. <i>Radiotherapy and Oncology</i> , 2020 , 146, 52-57	5.3	1
207	Accurate estimation of daily delivered radiotherapy dose with an external treatment planning system. <i>Physics and Imaging in Radiation Oncology</i> , 2020 , 14, 39-42	3.1	1
206	A biomechanical finite element model to generate a library of cervix CTVs. <i>Medical Physics</i> , 2020 , 47, 3852-3860	4.4	1
205	Robust, independent and relevant prognostic 18F-fluorodeoxyglucose positron emission tomography radiomics features in non-small cell lung cancer: Are there any?. <i>PLoS ONE</i> , 2020 , 15, e0228793	2.7	18
204	Technical Note: Long-term stability of Hounsfield unit calibration for cone beam computed tomography. <i>Medical Physics</i> , 2020 , 47, 1640-1644	4.4	3
203	LDeform: Longitudinal deformation analysis for adaptive radiotherapy of lung cancer. <i>Medical Physics</i> , 2020 , 47, 132-141	4.4	3
202	Safety and efficacy of reduced dose and margins to involved lymph node metastases in locally advanced NSCLC patients. <i>Radiotherapy and Oncology</i> , 2020 , 143, 66-72	5.3	5
201	Differences between planned and delivered dose for head and neck cancer, and their consequences for normal tissue complication probability and treatment adaptation. <i>Radiotherapy and Oncology</i> , 2020 , 142, 100-106	5.3	8
200	Quantification of Esophageal Tumor Motion and Investigation of Different Image-Guided Correction Strategies. <i>Practical Radiation Oncology</i> , 2020 , 10, 84-92	2.8	9
199	Local and regional treatment response by FDG-PET-CT-scans 4 weeks after concurrent hypofractionated chemoradiotherapy in locally advanced NSCLC. <i>Radiotherapy and Oncology</i> , 2020 , 143, 30-36	5.3	2
198	Estimation of the ratio of non-small cell lung cancer treated with stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2020 , 142, 210-216	5.3	6
197	SBRT combined with concurrent chemoradiation in stage III NSCLC: Feasibility study of the phase I Hybrid trial. <i>Radiotherapy and Oncology</i> , 2020 , 142, 224-229	5.3	4
196	Robust, independent and relevant prognostic 18F-fluorodeoxyglucose positron emission tomography radiomics features in non-small cell lung cancer: Are there any? 2020 , 15, e0228793		
195	Robust, independent and relevant prognostic 18F-fluorodeoxyglucose positron emission tomography radiomics features in non-small cell lung cancer: Are there any? 2020 , 15, e0228793		
194	Robust, independent and relevant prognostic 18F-fluorodeoxyglucose positron emission tomography radiomics features in non-small cell lung cancer: Are there any? 2020 , 15, e0228793		

193	Robust, independent and relevant prognostic 18F-fluorodeoxyglucose positron emission tomography radiomics features in non-small cell lung cancer: Are there any? 2020 , 15, e0228793		
192	Recurrent inference machines for reconstructing heterogeneous MRI data. <i>Medical Image Analysis</i> , 2019 , 53, 64-78	15.4	26
191	Evaluating the impact of cone-beam computed tomography scatter mitigation strategies on radiotherapy dose calculation accuracy. <i>Physics and Imaging in Radiation Oncology</i> , 2019 , 10, 35-40	3.1	11
190	Prostate-specific membrane antigen positron emission tomography/computed tomography as a potential tool to assess and guide salivary gland irradiation. <i>Physics and Imaging in Radiation Oncology</i> , 2019 , 9, 65-68	3.1	4
189	Evolutionary Machine Learning for Multi-Objective Class Solutions in Medical Deformable Image Registration. <i>Algorithms</i> , 2019 , 12, 99	1.8	2
188	Correcting geometric image distortions in slice-based 4D-MRI on the MR-linac. <i>Medical Physics</i> , 2019 , 46, 3044-3054	4.4	11
187	Micro cone beam computed tomography for sensitive assessment of radiation-induced late lung toxicity in preclinical models. <i>Radiotherapy and Oncology</i> , 2019 , 138, 17-24	5.3	2
186	Organ Function Preservation Failure after (Chemo)Radiotherapy in Head and Neck Cancer: A Retrospective Cohort Analysis. <i>Otolaryngology - Head and Neck Surgery</i> , 2019 , 161, 288-296	5.5	2
185	Adaptive Radiotherapy for Anatomical Changes. <i>Seminars in Radiation Oncology</i> , 2019 , 29, 245-257	5.5	60
184	Pre-hydration in cisplatin-based CCRT: Effects on tumour concentrations and treatment outcome. <i>Radiotherapy and Oncology</i> , 2019 , 134, 30-36	5.3	2
183	Predictive Models to Determine Clinically Relevant Deviations in Delivered Dose for Head and Neck Cancer. <i>Practical Radiation Oncology</i> , 2019 , 9, e422-e431	2.8	7
182	Feasibility of Micro-Computed Tomography Imaging for Direct Assessment of Surgical Resection Margins During Breast-Conserving Surgery. <i>Journal of Surgical Research</i> , 2019 , 241, 160-169	2.5	2
181	Evaluation of plan quality in radiotherapy planning with an MR-linac. <i>Physics and Imaging in Radiation Oncology</i> , 2019 , 10, 19-24	3.1	14
180	SPECT/CT-guided elective nodal irradiation for head and neck cancer: Estimation of clinical benefits using NTCP models. <i>Radiotherapy and Oncology</i> , 2019 , 130, 18-24	5.3	13
179	The impact of margin reduction on outcome and toxicity in head and neck cancer patients treated with image-guided volumetric modulated arc therapy (VMAT). <i>Radiotherapy and Oncology</i> , 2019 , 130, 25-31	5.3	42
178	MRI-guided mid-position liver radiotherapy: Validation of image processing and registration steps. <i>Radiotherapy and Oncology</i> , 2019 , 138, 132-140	5.3	15
177	Results of a multicentre dosimetry audit using a respiratory phantom within the EORTC LungTech trial. <i>Radiotherapy and Oncology</i> , 2019 , 138, 106-113	5.3	1
176	Pareto frontier analysis of spatio-temporal total-variation based four-dimensional cone-beam CT. <i>Biomedical Physics and Engineering Express</i> , 2019 , 5, 065011	1.5	

175	Investigating the impact of patient arm position in an MR-linac on liver SBRT treatment plans. <i>Medical Physics</i> , 2019 , 46, 5144-5151	4.4	2
174	Evolutionary multi-objective meta-optimization of deformation and tissue removal parameters improves the performance of deformable image registration of pre- and post-surgery images 2019 ,		1
173	Modeling radiation pneumonitis of pulmonary stereotactic body radiotherapy: The impact of a local dose-effect relationship for lung perfusion loss. <i>Radiotherapy and Oncology</i> , 2019 , 132, 142-147	5.3	10
172	Mapping of sentinel lymph node drainage using SPECT/CT to tailor elective nodal irradiation in head and neck cancer patients (SUSPECT-2): a single-center prospective trial. <i>BMC Cancer</i> , 2019 , 19, 1110	4.8	11
171	The Prognostic Value of Baseline 18F-FDG PET/CT in Human Papillomavirus-Positive Versus Human Papillomavirus-Negative Patients With Oropharyngeal Cancer. <i>Clinical Nuclear Medicine</i> , 2019 , 44, e323-e328	1.7	7
170	Subgroup Survival Analysis in Stage I-II NSCLC Patients With a Central Tumor Partly Treated With Risk-Adapted SBRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 103, 132-141	4	13
169	Radiotherapy quality assurance of SBRT for patients with centrally located lung tumours within the multicentre phase II EORTC Lungtech trial: Benchmark case results. <i>Radiotherapy and Oncology</i> , 2019 , 132, 63-69	5.3	7
168	Tumor Trailing for Liver SBRT on the MR-Linac. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 103, 468-478	4	33
167	The acute and late toxicity results of a randomized phase II dose-escalation trial in non-small cell lung cancer (PET-boost trial). <i>Radiotherapy and Oncology</i> , 2019 , 131, 166-173	5.3	31
166	Baseline peripheral blood leukocytosis: Biological marker predicts outcome in oropharyngeal cancer, regardless of HPV-status. <i>Oral Oncology</i> , 2018 , 78, 200-206	4.4	11
165	A secondary analysis of FDG spatio-temporal consistency in the randomized phase II PET-boost trial in stage II-III NSCLC. <i>Radiotherapy and Oncology</i> , 2018 , 127, 259-266	5.3	2
164	Validating a Predictive Atlas of Tumor Shrinkage for Adaptive Radiotherapy of Locally Advanced Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 102, 978-986	4	11
163	A Self-Sorting Coronal 4D-MRI Method for Daily Image Guidance of Liver Lesions on an MR-LINAC. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 102, 875-884	4	22
162	Margin and PTV volume reduction using a population based library of plans strategy for rectal cancer radiotherapy. <i>Medical Physics</i> , 2018 , 45, 4345-4354	4.4	10
161	Real-time wireless tumor tracking during breast conserving surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018 , 13, 531-539	3.9	8
160	Quality assurance of four-dimensional computed tomography in a multicentre trial of stereotactic body radiotherapy of centrally located lung tumours. <i>Physics and Imaging in Radiation Oncology</i> , 2018 , 8, 57-62	3.1	5
159	The developing role of FDG PET imaging for prognostication and radiotherapy target volume delineation in non-small cell lung cancer. <i>Journal of Thoracic Disease</i> , 2018 , 10, S2508-S2521	2.6	7
158	Radiation-Induced Lung Density Changes on CT Scan for NSCLC: No Impact of Dose-Escalation Level or Volume. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 102, 642-650	4	5

157	Magnetic Resonance-based Response Assessment and Dose Adaptation in Human Papilloma Virus Positive Tumors of the Oropharynx treated with Radiotherapy (MR-ADAPTOR): An R-IDEAL stage 2a-2b/Bayesian phase II trial. <i>Clinical and Translational Radiation Oncology</i> , 2018 , 13, 19-23	4.6	20
156	Retrospective self-sorted 4D-MRI for the liver. <i>Radiotherapy and Oncology</i> , 2018 , 127, 474-480	5.3	18
155	Stereotactic Body Radiation Therapy in Octo- and Nonagenarians for the Treatment of Early-Stage Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 98, 893-899	4	8
154	Dose-effect analysis of radiation induced rib fractures after thoracic SBRT. <i>Radiotherapy and Oncology</i> , 2017 , 123, 176-181	5.3	20
153	Directional sinogram interpolation for motion weighted 4D cone-beam CT reconstruction. <i>Physics in Medicine and Biology</i> , 2017 , 62, 2254-2275	3.8	8
152	Mitigating differential baseline shifts in locally advanced lung cancer patients using an average anatomy model. <i>Medical Physics</i> , 2017 , 44, 3570-3578	4.4	3
151	Reducing 4DCBCT imaging time and dose: the first implementation of variable gantry speed 4DCBCT on a linear accelerator. <i>Physics in Medicine and Biology</i> , 2017 , 62, 4300-4317	3.8	8
150	Dose to heart substructures is associated with non-cancer death after SBRT in stage I-II NSCLC patients. <i>Radiotherapy and Oncology</i> , 2017 , 123, 370-375	5.3	77
149	The feasibility of manual parameter tuning for deformable breast MR image registration from a multi-objective optimization perspective. <i>Physics in Medicine and Biology</i> , 2017 , 62, 5723-5743	3.8	5
148	Predictors and Patterns of Regional Recurrence Following Lung SBRT: A Report From the Elekta Lung Research Group. <i>Clinical Lung Cancer</i> , 2017 , 18, 162-168	4.9	16
147	Modeling the Cellular Response of Lung Cancer to Radiation Therapy for a Broad Range of Fractionation Schedules. <i>Clinical Cancer Research</i> , 2017 , 23, 5469-5479	12.9	26
146	Optimal combination of anti-scatter grids and software correction for CBCT imaging. <i>Medical Physics</i> , 2017 , 44, 4437-4451	4.4	21
145	Supine Breast MRI Using Respiratory Triggering. <i>Academic Radiology</i> , 2017 , 24, 818-825	4.3	6
144	A population based statistical model for daily geometric variations in the thorax. <i>Radiotherapy and Oncology</i> , 2017 , 123, 99-105	5.3	5
143	Recurrent oropharyngeal cancer after organ preserving treatment: pattern of failure and survival. <i>European Archives of Oto-Rhino-Laryngology</i> , 2017 , 274, 1691-1700	3.5	8
142	Heart dose associated with overall survival in locally advanced NSCLC patients treated with hypofractionated chemoradiotherapy. <i>Radiotherapy and Oncology</i> , 2017 , 125, 62-65	5.3	23
141	A predictive model for residual disease after (chemo) radiotherapy in oropharyngeal carcinoma: Combined radiological and clinical evaluation of tumor response. <i>Clinical and Translational Radiation Oncology</i> , 2017 , 6, 1-6	4.6	4
140	The impact of breathing amplitude on dose homogeneity in intensity modulated proton therapy. <i>Physics and Imaging in Radiation Oncology</i> , 2017 , 3, 11-16	3.1	4

139	Beyond the margin recipe: the probability of correct target dosage and tumor control in the presence of a dose limiting structure. <i>Physics in Medicine and Biology</i> , 2017 , 62, 7874-7888	3.8	14
138	Redistributed versus homogenous radiotherapy dose for head and neck cancer; a treatment planning study. <i>Physics and Imaging in Radiation Oncology</i> , 2017 , 3, 17-20	3.1	1
137	Analysis of GTV reduction during radiotherapy for oropharyngeal cancer: Implications for adaptive radiotherapy. <i>Radiotherapy and Oncology</i> , 2017 , 122, 224-228	5.3	12
136	Head and Neck Margin Reduction With Adaptive Radiation Therapy: Robustness of Treatment Plans Against Anatomy Changes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 96, 653-60	4	32
135	Effects of anatomical changes on pencil beam scanning proton plans in locally advanced NSCLC patients. <i>Radiotherapy and Oncology</i> , 2016 , 120, 286-92	5.3	35
134	Image-guided navigation surgery for pelvic malignancies using electromagnetic tracking 2016 ,		2
133	An MRI-based mid-ventilation approach for radiotherapy of the liver. <i>Radiotherapy and Oncology</i> , 2016 , 121, 276-280	5.3	14
132	The first implementation of respiratory triggered 4DCBCT on a linear accelerator. <i>Physics in Medicine and Biology</i> , 2016 , 61, 3488-99	3.8	12
131	Validation of High-Risk Computed Tomography Features for Detection of Local Recurrence After Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 96, 134-41	4	25
130	Lungtech, a phase II EORTC trial of SBRT for centrally located lung tumours - a clinical physics perspective. <i>Radiation Oncology</i> , 2016 , 11, 7	4.2	26
129	Adverse event development in clinical oncology trials. <i>Lancet Oncology, The</i> , 2016 , 17, e263	21.7	2
128	Late follow-up of the randomized radiation and concomitant high-dose intra-arterial or intravenous cisplatin (RADPLAT) trial for advanced head and neck cancer. <i>Head and Neck</i> , 2016 , 38 Suppl 1, E488-93	4.2	8
127	Intrafraction Motion in Stereotactic Body Radiation Therapy for Non-Small Cell Lung Cancer: Intensity Modulated Radiation Therapy Versus Volumetric Modulated Arc Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 95, 835-43	4	9
126	Validation of automatic segmentation of ribs for NTCP modeling. <i>Radiotherapy and Oncology</i> , 2016 , 118, 528-34	5.3	6
125	Differential analysis of local and regional failure in locally advanced non-small cell lung cancer patients treated with concurrent chemoradiotherapy. <i>Radiotherapy and Oncology</i> , 2016 , 118, 447-52	5.3	26
124	Clinical introduction of image lag correction for a cone beam CT system. <i>Medical Physics</i> , 2016 , 43, 1057-64	4.4	7
123	Fractures of thoracic vertebrae in patients with locally advanced non-small cell lung carcinoma treated with intensity modulated radiotherapy. <i>Radiotherapy and Oncology</i> , 2016 , 118, 437-41	5.3	8
122	Comparing position and orientation accuracy of different electromagnetic sensors for tracking during interventions. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016 , 11, 1487-98	3.9	17

121	Prediction of Early Death in Patients with Early-Stage NSCLC-Can We Select Patients without a Potential Benefit of SBRT as a Curative Treatment Approach?. <i>Journal of Thoracic Oncology</i> , 2016 , 11, 1132-9	8.9	22
120	Multiple training interventions significantly improve reproducibility of PET/CT-based lung cancer radiotherapy target volume delineation using an IAEA study protocol. <i>Radiotherapy and Oncology</i> , 2016 , 121, 39-45	5.3	11
119	Clinical evaluation of respiration-induced attenuation uncertainties in pulmonary 3D PET/CT. <i>EJNMMI Physics</i> , 2015 , 2, 4	4.4	9
118	Feasibility of MRI-based reference images for image-guided radiotherapy of the pelvis with either cone-beam computed tomography or planar localization images. <i>Acta Oncologica</i> , 2015 , 54, 889-95	3.2	35
117	Target delineation variability and corresponding margins of peripheral early stage NSCLC treated with stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2015 , 114, 361-6	5.3	24
116	Dynamic collimator angle adjustments during volumetric modulated arc therapy to account for prostate rotations. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 91, 1009-16	4	8
115	Tumour delineation in oesophageal cancer - A prospective study of delineation in PET and CT with and without endoscopically placed clip markers. <i>Radiotherapy and Oncology</i> , 2015 , 116, 269-75	5.3	18
114	A 1.5 T transverse magnetic field in radiotherapy of rectal cancer: Impact on the dose distribution. <i>Medical Physics</i> , 2015 , 42, 7182-9	4.4	14
113	Portal dosimetry in wedged beams. <i>Journal of Applied Clinical Medical Physics</i> , 2015 , 16, 5375	2.3	2
112	The effect of age in breast conserving therapy: a retrospective analysis on pathology and clinical outcome data. <i>Radiotherapy and Oncology</i> , 2015 , 114, 314-21	5.3	5
111	A simulation framework for modeling tumor control probability in breast conserving therapy. <i>Radiotherapy and Oncology</i> , 2014 , 111, 289-95	5.3	5
110	Combined recipe for clinical target volume and planning target volume margins. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 88, 708-14	4	14
109	Effect of compressed sensing reconstruction on target and organ delineation in cone-beam CT of head-and-neck and breast cancer patients. <i>Radiotherapy and Oncology</i> , 2014 , 112, 413-7	5.3	7
108	Intra thoracic anatomical changes in lung cancer patients during the course of radiotherapy. <i>Radiotherapy and Oncology</i> , 2014 , 113, 392-7	5.3	78
107	Challenges of radiotherapy: report on the 4D treatment planning workshop 2013. <i>Physica Medica</i> , 2014 , 30, 809-15	2.7	29
106	Deformable image registration for adaptive radiation therapy of head and neck cancer: accuracy and precision in the presence of tumor changes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 90, 680-7	4	48
105	Differential motion between mediastinal lymph nodes and primary tumor in radically irradiated lung cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 90, 959-66	4	30
104	Treatment adherence in concurrent chemoradiation in patients with locally advanced non-small cell lung carcinoma: results of daily intravenous prehydration. <i>Radiotherapy and Oncology</i> , 2014 , 110, 488-92	5.3	6

103	Alpha/beta ratio for normal lung tissue as estimated from lung cancer patients treated with stereotactic body and conventionally fractionated radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 88, 224-8	4	19
102	Mid-ventilation based PTV margins in Stereotactic Body Radiotherapy (SBRT): a clinical evaluation. <i>Radiotherapy and Oncology</i> , 2014 , 110, 511-6	5.3	50
101	Dose-response relationship with clinical outcome for lung stereotactic body radiotherapy (SBRT) delivered via online image guidance. <i>Radiotherapy and Oncology</i> , 2014 , 110, 499-504	5.3	104
100	Magnetic resonance-guided adaptive radiotherapy: a solution to the future. <i>Seminars in Radiation Oncology</i> , 2014 , 24, 227-32	5.5	91
99	Improved image quality of cone beam CT scans for radiotherapy image guidance using fiber-interspaced antiscatter grid. <i>Medical Physics</i> , 2014 , 41, 061910	4.4	17
98	Reproducibility of the MRI-defined spinal cord position in stereotactic radiotherapy for spinal oligometastases. <i>Radiotherapy and Oncology</i> , 2014 , 113, 230-4	5.3	3
97	4D CT amplitude binning for the generation of a time-averaged 3D mid-position CT scan. <i>Physics in Medicine and Biology</i> , 2014 , 59, 5517-29	3.8	16
96	Local interfractional setup reproducibility for 2 individual head and neck supports in head and neck cancer patients. <i>Practical Radiation Oncology</i> , 2014 , 4, 448-54	2.8	4
95	Volume changes in soft tissue sarcomas during preoperative radiotherapy of extremities evaluated using cone-beam CT. <i>Journal of Radiation Oncology</i> , 2013 , 2, 55-62	0.7	20
94	Accuracy evaluation of a 3-dimensional surface imaging system for guidance in deep-inspiration breath-hold radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 536-42	4.2	51
93	Local dose-effect relations for lung perfusion post stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2013 , 107, 398-402	5.3	26
92	Adaptive radiotherapy with an average anatomy model: evaluation and quantification of residual deformations in head and neck cancer patients. <i>Radiotherapy and Oncology</i> , 2013 , 109, 463-8	5.3	24
91	Prognostic parameters for acute esophagus toxicity in intensity modulated radiotherapy and concurrent chemotherapy for locally advanced non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2013 , 107, 392-7	5.3	30
90	Assessment of set-up variability during deep inspiration breath hold radiotherapy for breast cancer patients by 3D-surface imaging. <i>Radiotherapy and Oncology</i> , 2013 , 106, 225-30	5.3	62
89	Registration accuracy and image quality of time averaged mid-position CT scans for liver SBRT. <i>Radiotherapy and Oncology</i> , 2013 , 109, 404-8	5.3	24
88	Hybrid registration of prostate and seminal vesicles for image guided radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 177-82	4	11
87	Required target margins for image-guided lung SBRT: Assessment of target position intrafraction and correction residuals. <i>Practical Radiation Oncology</i> , 2013 , 3, 67-73	2.8	19
86	Microscopic disease extensions as a risk factor for loco-regional recurrence of NSCLC after SBRT. <i>Radiotherapy and Oncology</i> , 2013 , 109, 26-31	5.3	15

85	Severe late esophagus toxicity in NSCLC patients treated with IMRT and concurrent chemotherapy. <i>Radiotherapy and Oncology</i> , 2013 , 108, 337-41	5.3	42
84	Lack of a dose-effect relationship for pulmonary function changes after stereotactic body radiation therapy for early-stage non-small cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 1074-81	4	39
83	PET motion compensation for radiation therapy using a CT-based mid-position motion model: methodology and clinical evaluation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 87, 394-400	4	17
82	Motion compensated digital tomosynthesis. <i>Radiotherapy and Oncology</i> , 2013 , 109, 398-403	5.3	9
81	Adaptive and innovative Radiation Treatment FOR improving Cancer treatment outcome (ARTFORCE); a randomized controlled phase II trial for individualized treatment of head and neck cancer. <i>BMC Cancer</i> , 2013 , 13, 84	4.8	74
80	Relating acute esophagitis to radiotherapy dose using FDG-PET in concurrent chemo-radiotherapy for locally advanced non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2013 , 106, 118-23	5.3	37
79	Directional sinogram interpolation for sparse angular acquisition in cone-beam computed tomography. <i>Journal of X-Ray Science and Technology</i> , 2013 , 21, 481-96	2.1	8
78	Deformable image registration by multi-objective optimization using a dual-dynamic transformation model to account for large anatomical differences 2013 ,		5
77	Respiratory Motion Correction in Cone-Beam CT for Image-Guided Radiotherapy 2013 , 319-334		
76	A collaborative analysis of stereotactic lung radiotherapy outcomes for early-stage non-small-cell lung cancer using daily online cone-beam computed tomography image-guided radiotherapy. <i>Journal of Thoracic Oncology</i> , 2012 , 7, 1382-93	8.9	162
75	Quantification of the variability of diaphragm motion and implications for treatment margin construction. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 82, e399-407	4	44
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