

Randall K Ten Haken

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.

244 papers	17,468 citations	67 h-index	127 g-index
249 ext. papers	19,568 ext. citations	2.6 avg, IF	6.27 L-index

#	Paper	IF	Citations
244	Smart Adaptive Treatment Strategies 2022 , 439-452		
243	In Reply to Tsurugai et al.. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022 , 113, 229	4	
242	Improved prediction of radiation pneumonitis by combining biological and radiobiological parameters using a data-driven Bayesian network analysis.. <i>Translational Oncology</i> , 2022 , 21, 101428	4.9	0
241	Precision radiotherapy via information integration of expert human knowledge and AI recommendation to optimize clinical decision making. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 221, 106927	6.9	0
240	Feasibility of function-guided lung treatment planning with parametric response mapping. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 80-89	2.3	1
239	A Bayesian dose-finding design for outcomes evaluated with uncertainty. <i>Clinical Trials</i> , 2021 , 18, 279-285	2.2	
238	Investigating the SPECT Dose-Function Metrics Associated With Radiation-Induced Lung Toxicity Risk in Patients With Non-small Cell Lung Cancer Undergoing Radiation Therapy. <i>Advances in Radiation Oncology</i> , 2021 , 6, 100666	3.3	0
237	Integrating Multiomics Information in Deep Learning Architectures for Joint Actuarial Outcome Prediction in Non-Small Cell Lung Cancer Patients After Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 893-904	4	8
236	Local Control After Stereotactic Body Radiation Therapy for Liver Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 188-195	4	80
235	Radiation Dose-Volume Effects for Liver SBRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 196-205	4	29
234	Individualized Adaptive Radiation Therapy Allows for Safe Treatment of Hepatocellular Carcinoma in Patients With Child-Turcotte-Pugh B Liver Disease. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 109, 212-219	4	4
233	In Reply to Klement et al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 250-251	4	
232	TNFR1 and the TNF α axis as a targetable mediator of liver injury from stereotactic body radiation therapy. <i>Translational Oncology</i> , 2021 , 14, 100950	4.9	4
231	A deep survival interpretable radiomics model of hepatocellular carcinoma patients. <i>Physica Medica</i> , 2021 , 82, 295-305	2.7	7
230	A situational awareness Bayesian network approach for accurate and credible personalized adaptive radiotherapy outcomes prediction in lung cancer patients. <i>Physica Medica</i> , 2021 , 87, 11-23	2.7	0
229	Quantum deep reinforcement learning for clinical decision support in oncology: application to adaptive radiotherapy. <i>Scientific Reports</i> , 2021 , 11, 23545	4.9	1
228	Introduction to machine and deep learning for medical physicists. <i>Medical Physics</i> , 2020 , 47, e127-e147	4.4	23

227	Central Airway Toxicity After High Dose Radiation: A Combined Analysis of Prospective Clinical Trials for Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 108, 587-596	4	0
226	Artificial Intelligence: reshaping the practice of radiological sciences in the 21st century. <i>British Journal of Radiology</i> , 2020 , 93, 20190855	3.4	34
225	Quantum-inspired algorithm for radiotherapy planning optimization. <i>Medical Physics</i> , 2020 , 47, 5-18	4.4	3
224	Machine Learning and Imaging Informatics in Oncology. <i>Oncology</i> , 2020 , 98, 344-362	3.6	26
223	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
222	Combining handcrafted features with latent variables in machine learning for prediction of radiation-induced lung damage. <i>Medical Physics</i> , 2019 , 46, 2497-2511	4.4	17
221	Circulating microRNAs as biomarkers of radiation-induced cardiac toxicity in non-small-cell lung cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019 , 145, 1635-1643	4.9	13
220	Balancing accuracy and interpretability of machine learning approaches for radiation treatment outcomes modeling. <i>BJR/Open</i> , 2019 , 1, 20190021	1.4	19
219	Greater reduction in mid-treatment FDG-PET volume may be associated with worse survival in non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2019 , 132, 241-249	5.3	12
218	Artificial Neural Network with Composite Architectures for Prediction of Local Control in Radiotherapy. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019 , 3, 242-249	4.2	11
217	Development of a Fully Cross-Validated Bayesian Network Approach for Local Control Prediction in Lung Cancer. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019 , 3, 232-241	4.2	26
216	Prediction of Radiation Esophagitis in Non-Small Cell Lung Cancer Using Clinical Factors, Dosimetric Parameters, and Pretreatment Cytokine Levels. <i>Translational Oncology</i> , 2018 , 11, 102-108	4.9	6
215	Modeling of Normal Tissue Complications Using Imaging and Biomarkers After Radiation Therapy for Hepatocellular Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 100, 335-343	4	23
214	A model combining age, equivalent uniform dose and IL-8 may predict radiation esophagitis in patients with non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2018 , 126, 506-510	5.3	6
213	Serum MicroRNA Signature Predicts Response to High-Dose Radiation Therapy in Locally Advanced Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 100, 107-114	4.4	18
212	Using Indocyanine Green Extraction to Predict Liver Function After Stereotactic Body Radiation Therapy for Hepatocellular Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 100, 131-137	4	11
211	Modeling Patient-Specific Dose-Function Response for Enhanced Characterization of Personalized Functional Damage. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 102, 1265-1275	4	3
210	The Role of Machine Learning in Knowledge-Based Response-Adapted Radiotherapy. <i>Frontiers in Oncology</i> , 2018 , 8, 266	5.3	19

209	Can radiomics personalise immunotherapy?. <i>Lancet Oncology, The</i> , 2018 , 19, 1138-1139	21.7	15
208	A multiobjective Bayesian networks approach for joint prediction of tumor local control and radiation pneumonitis in nonsmall-cell lung cancer (NSCLC) for response-adapted radiotherapy. <i>Medical Physics</i> , 2018 , 45, 3980	4.4	28
207	Individualized Adaptive Stereotactic Body Radiotherapy for Liver Tumors in Patients at High Risk for Liver Damage: A Phase 2 Clinical Trial. <i>JAMA Oncology</i> , 2018 , 4, 40-47	13.4	90
206	Prospects and challenges for clinical decision support in the era of big data. <i>JCO Clinical Cancer Informatics</i> , 2018 , 2,	5.2	15
205	Early Changes in Serial CBCT-Measured Parotid Gland Biomarkers Predict Chronic Xerostomia After Head and Neck Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 102, 1319-1329	4	20
204	Machine learning and modeling: Data, validation, communication challenges. <i>Medical Physics</i> , 2018 , 45, e834-e840	4.4	46
203	An analysis of knowledge-based planning for stereotactic body radiation therapy of the spine. <i>Practical Radiation Oncology</i> , 2017 , 7, e355-e360	2.8	31
202	Unraveling biophysical interactions of radiation pneumonitis in non-small-cell lung cancer via Bayesian network analysis. <i>Radiotherapy and Oncology</i> , 2017 , 123, 85-92	5.3	37
201	Developing and Validating a Survival Prediction Model for NSCLC Patients Through Distributed Learning Across 3 Countries. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 99, 344-352	4	60
200	Effect of Midtreatment PET/CT-Adapted Radiation Therapy With Concurrent Chemotherapy in Patients With Locally Advanced Non-Small-Cell Lung Cancer: A Phase 2 Clinical Trial. <i>JAMA Oncology</i> , 2017 , 3, 1358-1365	13.4	121
199	Lower Incidence of Esophagitis in the Elderly Undergoing Definitive Radiation Therapy for Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2017 , 12, 539-546	8.9	8
198	Plasma Levels of IL-8 and TGF- β Predict Radiation-Induced Lung Toxicity in Non-Small Cell Lung Cancer: A Validation Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 98, 615-624	4	35
197	Radiation-induced lung toxicity in non-small-cell lung cancer: Understanding the interactions of clinical factors and cytokines with the dose-toxicity relationship. <i>Radiotherapy and Oncology</i> , 2017 , 125, 66-72	5.3	7
196	Deep reinforcement learning for automated radiation adaptation in lung cancer. <i>Medical Physics</i> , 2017 , 44, 6690-6705	4.4	108
195	Cardiac Events After Radiation Therapy: Combined Analysis of Prospective Multicenter Trials for Locally Advanced Non-Small-Cell Lung Cancer. <i>Journal of Clinical Oncology</i> , 2017 , 35, 1395-1402	2.2	176
194	Radiation Sensitivity of the Liver: Models and Clinical Data 2017 , 39-47		0
193	Implementing Radiation Dose-Volume Liver Response in Biomechanical Deformable Image Registration. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 99, 1004-1012	4	12
192	Radiogenomics and radiotherapy response modeling. <i>Physics in Medicine and Biology</i> , 2017 , 62, R179-R206	3.8	33

191	Big Data in Designing Clinical Trials: Opportunities and Challenges. <i>Frontiers in Oncology</i> , 2017 , 7, 187	5.3	22
190	Incorporating big data into treatment plan evaluation: Development of statistical DVH metrics and visualization dashboards. <i>Advances in Radiation Oncology</i> , 2017 , 2, 503-514	3.3	14
189	The big data effort in radiation oncology: Data mining or data farming?. <i>Advances in Radiation Oncology</i> , 2016 , 1, 260-271	3.3	38
188	Local and Global Function Model of the Liver. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 94, 181-188	4	20
187	Phase II study of individualized adaptive stereotactic body radiotherapy (SBRT) for patients at high risk for liver damage.. <i>Journal of Clinical Oncology</i> , 2016 , 34, 424-424	2.2	2
186	Optimizing global liver function in radiation therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2016 , 61, 6465-84	3.8	7
185	Priority-driven plan optimization in locally advanced lung patients based on perfusion SPECT imaging. <i>Advances in Radiation Oncology</i> , 2016 , 1, 281-289	3.3	6
184	Methods for Reducing Normal Tissue Complication Probabilities in Oropharyngeal Cancer: Dose Reduction or Planning Target Volume Elimination. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 96, 645-52	4	8
183	Use a survival model to correlate single-nucleotide polymorphisms of DNA repair genes with radiation dose-response in patients with non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2015 , 117, 77-82	5.3	10
182	Prognostic value of cytokine profile on survival in non-small cell lung cancer patients treated with radiotherapy.. <i>Journal of Clinical Oncology</i> , 2015 , 33, 7525-7525	2.2	1
181	Response-driven imaging biomarkers for predicting radiation necrosis of the brain. <i>Physics in Medicine and Biology</i> , 2014 , 59, 2535-47	3.8	8
180	Estimating functional liver reserve following hepatic irradiation: adaptive normal tissue response models. <i>Radiotherapy and Oncology</i> , 2014 , 111, 418-23	5.3	24
179	Pulmonary artery invasion, high-dose radiation, and overall survival in patients with non-small cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 89, 313-21	4	15
178	Timing and intensity of changes in FDG uptake with symptomatic esophagitis during radiotherapy or chemo-radiotherapy. <i>Radiation Oncology</i> , 2014 , 9, 37	4.2	19
177	MRI to delineate the gross tumor volume of nasopharyngeal cancers: which sequences and planes should be used?. <i>Radiology and Oncology</i> , 2014 , 48, 323-30	3.8	8
176	Changes in functional lung regions during the course of radiation therapy and their potential impact on lung dosimetry for non-small cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 89, 145-51	4	24
175	Arterial perfusion imaging-defined subvolume of intrahepatic cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 89, 167-74	4	11
174	Metabolic Tumor Volume on PET Reduced More than Gross Tumor Volume on CT during Radiotherapy in Patients with Non-Small Cell Lung Cancer Treated with 3DCRT or SBRT. <i>Journal of Radiation Oncology</i> , 2013 , 2, 191-202	0.7	25

173	Prediction of liver function by using magnetic resonance-based portal venous perfusion imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 258-63	4	51
172	Utility of normal tissue-to-tumor ratio when evaluating isodoses of isoeffective radiation therapy treatment plans. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, e81-7	4	17
171	Predictive models for regional hepatic function based on 99mTc-IDA SPECT and local radiation dose for physiologic adaptive radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 1000-6	4	24
170	Effect of normal lung definition on lung dosimetry and lung toxicity prediction in radiation therapy treatment planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 956-63	4	33
169	Poor baseline pulmonary function may not increase the risk of radiation-induced lung toxicity. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 798-804	4	39
168	FusionArc optimization: a hybrid volumetric modulated arc therapy (VMAT) and intensity modulated radiation therapy (IMRT) planning strategy. <i>Medical Physics</i> , 2013 , 40, 071713	4.4	20
167	A phase II trial of mid-treatment FDG-PET adaptive, individualized radiation therapy plus concurrent chemotherapy in patients with non-small cell lung cancer (NSCLC).. <i>Journal of Clinical Oncology</i> , 2013 , 31, 7522-7522	2.2	9
166	Changes in global function and regional ventilation and perfusion on SPECT during the course of radiotherapy in patients with non-small-cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 82, e631-8	4	34
165	Lhermitte sign after chemo-IMRT of head-and-neck cancer: incidence, doses, and potential mechanisms. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 83, 1528-33	4	19
164	Dosimetric analysis of radiation-induced gastric bleeding. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 84, e1-6	4	11
163	Combining physical and biologic parameters to predict radiation-induced lung toxicity in patients with non-small-cell lung cancer treated with definitive radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 84, e217-22	4	74
162	Dosimetric implications of residual seminal vesicle motion in fiducial-guided intensity-modulated radiotherapy for prostate cancer. <i>Medical Dosimetry</i> , 2012 , 37, 240-4	1.3	6
161	Pattern of failure after high-dose thoracic radiation for non-small cell lung cancer: the University of Michigan experience. <i>Journal of Radiation Oncology</i> , 2012 , 1, 267-272	0.7	4
160	Concurrent temozolomide and dose-escalated intensity-modulated radiation therapy in newly diagnosed glioblastoma. <i>Clinical Cancer Research</i> , 2012 , 18, 273-9	12.9	93
159	Sensitivity analysis for lexicographic ordering in radiation therapy treatment planning. <i>Medical Physics</i> , 2012 , 39, 3445-55	4.4	17
158	Chemo-IMRT of oropharyngeal cancer aiming to reduce dysphagia: swallowing organs late complication probabilities and dosimetric correlates. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 81, e93-9	4	187
157	Semiquantification and classification of local pulmonary function by V/Q single photon emission computed tomography in patients with non-small cell lung cancer: potential indication for radiotherapy planning. <i>Journal of Thoracic Oncology</i> , 2011 , 6, 71-8	8.9	28
156	Functional and molecular image guidance in radiotherapy treatment planning optimization. <i>Seminars in Radiation Oncology</i> , 2011 , 21, 111-8	5.5	27

155	A comparison of dose-response models for the parotid gland in a large group of head-and-neck cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, 1259-65	4	63
154	Radiation-associated kidney injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S108-15	4	189
153	Improving normal tissue complication probability models: the need to adopt a "data-pooling" culture. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S151-4	4	90
152	Impact of fraction size on lung radiation toxicity: hypofractionation may be beneficial in dose escalation of radiotherapy for lung cancers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, 782-8	4	33
151	Radiation dose-volume effects in the stomach and small bowel. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S101-7	4	382
150	Radiation-associated liver injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S94-100	4	467
149	Parotid gland function after radiotherapy: the combined michigan and utrecht experience. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 449-53	4	124
148	Use of normal tissue complication probability models in the clinic. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S10-9	4	1027
147	Guest editor's introduction to QUANTEC: a users guide. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S1-2	4	137
146	Imaging for assessment of radiation-induced normal tissue effects. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S140-4	4	30
145	Quantitative Analyses of Normal Tissue Effects in the Clinic (QUANTEC): an introduction to the scientific issues. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S3-9	4	639
144	Evaluating the relationships between rectal normal tissue complication probability and the portion of seminal vesicles included in the clinical target volume in intensity-modulated radiotherapy for prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 334-40	4	8
143	Association of 11C-methionine PET uptake with site of failure after concurrent temozolomide and radiation for primary glioblastoma multiforme. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 479-85	4	119
142	Designing targets for elective nodal irradiation in lung cancer radiotherapy: a planning study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 1397-403	4	5
141	Using fluorodeoxyglucose positron emission tomography to assess tumor volume during radiotherapy for non-small-cell lung cancer and its potential impact on adaptive dose escalation and normal tissue sparing. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 1228-34	4	121
140	Liver function after irradiation based on computed tomographic portal vein perfusion imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 70, 154-60	4	40
139	The impact of dose on parotid salivary recovery in head and neck cancer patients treated with radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 660-9	4	153
138	Predicting outcome of patients with high-grade gliomas after radiotherapy using quantitative analysis of T1-weighted magnetic resonance imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 1476-83	4	6

137	Physical models and simpler dosimetric descriptors of radiation late toxicity. <i>Seminars in Radiation Oncology</i> , 2007 , 17, 108-20	5.5	47
136	How extensive of a 4D dataset is needed to estimate cumulative dose distribution plan evaluation metrics in conformal lung therapy?. <i>Medical Physics</i> , 2007 , 34, 233-45	4.4	61
135	Synchronized dynamic dose reconstruction. <i>Medical Physics</i> , 2007 , 34, 91-102	4.4	31
134	A pilot study of [18F]fluorodeoxyglucose positron emission tomography scans during and after radiation-based therapy in patients with non small-cell lung cancer. <i>Journal of Clinical Oncology</i> , 2007 , 25, 3116-23	2.2	134
133	Effect of daily localization and correction on the setup uncertainty: dependences on the measurement uncertainty, re-positioning uncertainty and action level. <i>Physics in Medicine and Biology</i> , 2007 , 52, 6575-87	3.8	6
132	The impact of breathing motion versus heterogeneity effects in lung cancer treatment planning. <i>Medical Physics</i> , 2007 , 34, 1462-73	4.4	10
131	Three-dimensional conformal radiation may deliver considerable dose of incidental nodal irradiation in patients with early stage node-negative non-small cell lung cancer when the tumor is large and centrally located. <i>Radiotherapy and Oncology</i> , 2007 , 82, 153-9	5.3	29
130	Potential for dose-escalation and reduction of risk in pancreatic cancer using IMRT optimization with lexicographic ordering and gEUD-based cost functions. <i>Medical Physics</i> , 2007 , 34, 521-9	4.4	39
129	The prediction of radiation-induced liver dysfunction using a local dose and regional venous perfusion model. <i>Medical Physics</i> , 2007 , 34, 604-12	4.4	29
128	The clinical application of intensity-modulated radiation therapy. <i>Seminars in Radiation Oncology</i> , 2006 , 16, 224-31	5.5	17
127	A practical approach for quantitative estimates of voxel-by-voxel liver perfusion using DCE imaging and a compartmental model. <i>Medical Physics</i> , 2006 , 33, 3057-62	4.4	10
126	Ideal spatial radiotherapy dose distributions subject to positional uncertainties. <i>Physics in Medicine and Biology</i> , 2006 , 51, 6329-47	3.8	14
125	Advances in radiation oncology. <i>Annual Review of Medicine</i> , 2006 , 57, 19-31	17.4	50
124	Long-term results of high-dose conformal radiotherapy for patients with medically inoperable T1-3N0 non-small-cell lung cancer: is low incidence of regional failure due to incidental nodal irradiation?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 64, 120-6	4	64
123	Survival prediction in high-grade gliomas by MRI perfusion before and during early stage of RT [corrected]. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 64, 876-85	4	113
122	Multiple fields may offer better esophagus sparing without increased probability of lung toxicity in optimized IMRT of lung tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 65, 255-65	4	25
121	In response to Dr. Yan et al.. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 64, 1614-1615		
120	Final toxicity results of a radiation-dose escalation study in patients with non-small-cell lung cancer (NSCLC): predictors for radiation pneumonitis and fibrosis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 65, 1075-86	4	264

119	Reporting and analyzing statistical uncertainties in Monte Carlo-based treatment planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 65, 1249-59	4	56
118	Prediction of radiation-induced liver disease by Lyman normal-tissue complication probability model in three-dimensional conformal radiation therapy for primary liver carcinoma: in regards to Xu et al. (Int J Radiat Oncol Biol Phys 2006;65:189-195). <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 66, 1272, author reply 1272-3	4	6
117	Normal tissue complication probability modeling for acute esophagitis in patients treated with conformal radiation therapy for non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2005 , 77, 176-81	5.3	81
116	Dose reconstruction in deforming lung anatomy: dose grid size effects and clinical implications. <i>Medical Physics</i> , 2005 , 32, 2487-95	4.4	81
115	Body mass index predicts the incidence of radiation pneumonitis in breast cancer patients. <i>Cancer Journal (Sudbury, Mass)</i> , 2005 , 11, 390-8	2.2	14
114	Prospective study of inner ear radiation dose and hearing loss in head-and-neck cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 61, 1393-402	4	140
113	Evaluating changes in tumor volume using magnetic resonance imaging during the course of radiotherapy treatment of high-grade gliomas: Implications for conformal dose-escalation studies. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 62, 328-32	4	30
112	Use of principal component analysis to evaluate the partial organ tolerance of normal tissues to radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 62, 829-37	4	55
111	CT-based definition of thoracic lymph node stations: an atlas from the University of Michigan. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 170-8	4	105
110	Esophagus sparing with IMRT in lung tumor irradiation: an EUD-based optimization technique. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 179-87	4	38
109	High-dose radiation improved local tumor control and overall survival in patients with inoperable/unresectable non-small-cell lung cancer: long-term results of a radiation dose escalation study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 324-33	4	399
108	Retrospective analysis of prostate cancer patients with implanted gold markers using off-line and adaptive therapy protocols. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 123-33	4	54
107	Benefit of using biologic parameters (EUD and NTCP) in IMRT optimization for treatment of intrahepatic tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 62, 571-8	4	54
106	Evaluating the influence of setup uncertainties on treatment planning for focal liver tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 610-4	4	25
105	Non-small cell lung cancer therapy-related pulmonary toxicity: an update on radiation pneumonitis and fibrosis. <i>Seminars in Oncology</i> , 2005 , 32, S42-54	5.5	137
104	Partial volume tolerance of the liver to radiation. <i>Seminars in Radiation Oncology</i> , 2005 , 15, 279-83	5.5	207
103	Monte Carlo-based lung cancer treatment planning incorporating PET-defined target volumes. <i>Journal of Applied Clinical Medical Physics</i> , 2005 , 6, 65-76	2.3	5
102	A Bayesian mixture model relating dose to critical organs and functional complication in 3D conformal radiation therapy. <i>Biostatistics</i> , 2005 , 6, 615-32	3.7	10

101	Phase II trial of high-dose conformal radiation therapy with concurrent hepatic artery floxuridine for unresectable intrahepatic malignancies. <i>Journal of Clinical Oncology</i> , 2005 , 23, 8739-47	2.2	271
100	Use of magnetic resonance imaging to assess blood-brain/blood-glioma barrier opening during conformal radiotherapy. <i>Journal of Clinical Oncology</i> , 2005 , 23, 4127-36	2.2	125
99	An application of Bayesian statistical methods to adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , 2005 , 50, 3849-58	3.8	27
98	The influence of beam model differences in the comparison of dose calculation algorithms for lung cancer treatment planning. <i>Physics in Medicine and Biology</i> , 2005 , 50, 801-15	3.8	19
97	Monte Carlo-based lung cancer treatment planning incorporating PET-defined target volumes. <i>Journal of Applied Clinical Medical Physics</i> , 2005 , 6, 65-76	2.3	4
96	Accounting for center-of-mass target motion using convolution methods in Monte Carlo-based dose calculations of the lung. <i>Medical Physics</i> , 2004 , 31, 925-32	4.4	22
95	Defining target volumes for non-small cell lung carcinoma. <i>Seminars in Radiation Oncology</i> , 2004 , 14, 308-14	5.5	34
94	In response to Dr. Tom and Dr. Fenwick. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 58, 1319-1320	4	7
93	Time to metabolic atrophy after permanent prostate seed implantation based on magnetic resonance spectroscopic imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 59, 665-73	4	57
92	Results following treatment to doses of 92.4 or 102.9 Gy on a phase I dose escalation study for non-small cell lung cancer. <i>Lung Cancer</i> , 2004 , 44, 79-88	5.9	66
91	Salivary gland sparing and improved target irradiation by conformal and intensity modulated irradiation of head and neck cancer. <i>World Journal of Surgery</i> , 2003 , 27, 832-7	3.3	154
90	Alterations in normal liver doses due to organ motion. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 57, 1472-9	4	55
89	Comparing different NTCP models that predict the incidence of radiation pneumonitis. Normal tissue complication probability. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 55, 724-35	4	367
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