

Randall K Ten Haken

List of Publications by Year in descending order

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247
papers

21,245
citations

10986
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139
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249
all docs

249
docs citations

249
times ranked

11889
citing authors

#	ARTICLE	IF	CITATIONS
1	In Reply to Tsurugai et al.. International Journal of Radiation Oncology Biology Physics, 2022, 113, 229.	0.8	0
2	Improved prediction of radiation pneumonitis by combining biological and radiobiological parameters using a data-driven Bayesian network analysis. Translational Oncology, 2022, 21, 101428.	3.7	6
3	Precision radiotherapy via information integration of expert human knowledge and AI recommendation to optimize clinical decision making. Computer Methods and Programs in Biomedicine, 2022, 221, 106927.	4.7	8
4	Local Control After Stereotactic Body Radiation Therapy for Liver Tumors. International Journal of Radiation Oncology Biology Physics, 2021, 110, 188-195.	0.8	131
5	Radiation Doseâ€Volume Effects for Liver SBRT. International Journal of Radiation Oncology Biology Physics, 2021, 110, 196-205.	0.8	67
6	Individualized Adaptive Radiation Therapy Allows for Safe Treatment of Hepatocellular Carcinoma in Patients With Child-Turcotte-Pugh B Liver Disease. International Journal of Radiation Oncology Biology Physics, 2021, 109, 212-219.	0.8	20
7	In Reply to Klement etÂal. International Journal of Radiation Oncology Biology Physics, 2021, 110, 250-251.	0.8	0
8	TNFR1 and the TNFÎ axis as a targetable mediator of liver injury from stereotactic body radiation therapy. Translational Oncology, 2021, 14, 100950.	3.7	14
9	A deep survival interpretable radiomics model of hepatocellular carcinoma patients. Physica Medica, 2021, 82, 295-305.	0.7	27
10	A Bayesian dose-finding design for outcomes evaluated with uncertainty. Clinical Trials, 2021, 18, 279-285.	1.6	0
11	Investigating the SPECT Dose-Function Metrics Associated With Radiation-Induced Lung Toxicity Risk in Patients With Non-small Cell Lung Cancer Undergoing Radiation Therapy. Advances in Radiation Oncology, 2021, 6, 100666.	1.2	3
12	Integrating Multiomics Information in Deep Learning Architectures for Joint Actuarial Outcome Prediction in Non-Small Cell Lung Cancer Patients After Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 110, 893-904.	0.8	31
13	A situational awareness Bayesian network approach for accurate and credible personalized adaptive radiotherapy outcomes prediction in lung cancer patients. Physica Medica, 2021, 87, 11-23.	0.7	9
14	Dynamic stochastic deep learning approaches for predicting geometric changes in head and neck cancer. Physics in Medicine and Biology, 2021, 66, 225006.	3.0	3
15	Feasibility of functionâ€guided lung treatment planning with parametric response mapping. Journal of Applied Clinical Medical Physics, 2021, 22, 80-89.	1.9	1
16	Quantum deep reinforcement learning for clinical decision support in oncology: application to adaptive radiotherapy. Scientific Reports, 2021, 11, 23545.	3.3	13
17	Machine Learning and Imaging Informatics in Oncology. Oncology, 2020, 98, 344-362.	1.9	40
18	Quantumâ€inspired algorithm for radiotherapy planning optimization. Medical Physics, 2020, 47, 5-18.	3.0	12

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19	Introduction to machine and deep learning for medical physicists. Medical Physics, 2020, 47, e127-e147.	3.0	68
20	Central Airway Toxicity After High Dose Radiation: A Combined Analysis of Prospective Clinical Trials for Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2020, 108, 587-596.	0.8	8
21	Artificial Intelligence: reshaping the practice of radiological sciences in the 21st century. British Journal of Radiology, 2020, 93, 20190855.	2.2	63
22	Balancing accuracy and interpretability of machine learning approaches for radiation treatment outcomes modeling. BJR Open, 2019, 1, 20190021.	0.6	45
23	Predictive Models to Determine Clinically Relevant Deviations in Delivered Dose for Head and Neck Cancer. Practical Radiation Oncology, 2019, 9, e422-e431.	2.1	19
24	Combining handcrafted features with latent variables in machine learning for prediction of radiation-induced lung damage. Medical Physics, 2019, 46, 2497-2511.	3.0	38
25	Circulating microRNAs as biomarkers of radiation-induced cardiac toxicity in non-small-cell lung cancer. Journal of Cancer Research and Clinical Oncology, 2019, 145, 1635-1643.	2.5	24
26	Greater reduction in mid-treatment FDG-PET volume may be associated with worse survival in non-small cell lung cancer. Radiotherapy and Oncology, 2019, 132, 241-249.	0.6	20
27	Artificial Neural Network With Composite Architectures for Prediction of Local Control in Radiotherapy. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 242-249.	3.7	15
28	Development of a Fully Cross-Validated Bayesian Network Approach for Local Control Prediction in Lung Cancer. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 232-241.	3.7	42
29	Prediction of Radiation Esophagitis in Non-Small Cell Lung Cancer Using Clinical Factors, Dosimetric Parameters, and Pretreatment Cytokine Levels. Translational Oncology, 2018, 11, 102-108.	3.7	10
30	Modeling of Normal Tissue Complications Using Imaging and Biomarkers After Radiation Therapy for Hepatocellular Carcinoma. International Journal of Radiation Oncology Biology Physics, 2018, 100, 335-343.	0.8	43
31	A model combining age, equivalent uniform dose and IL-8 may predict radiation esophagitis in patients with non-small cell lung cancer. Radiotherapy and Oncology, 2018, 126, 506-510.	0.6	10
32	Serum MicroRNA Signature Predicts Response to High-Dose Radiation Therapy in Locally Advanced Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 100, 107-114.	0.8	28
33	Using Indocyanine Green Extraction to Predict Liver Function After Stereotactic Body Radiation Therapy for Hepatocellular Carcinoma. International Journal of Radiation Oncology Biology Physics, 2018, 100, 131-137.	0.8	18
34	Individualized Adaptive Stereotactic Body Radiotherapy for Liver Tumors in Patients at High Risk for Liver Damage. JAMA Oncology, 2018, 4, 40.	7.1	140
35	Prospects and Challenges for Clinical Decision Support in the Era of Big Data. JCO Clinical Cancer Informatics, 2018, 2, 1-12.	2.1	23
36	Radiation Therapy Outcomes Models in the Era of Radiomics and Radiogenomics: Uncertainties and Validation. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1070-1073.	0.8	31

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37	Early Changes in Serial CBCT-Measured Parotid Gland Biomarkers Predict Chronic Xerostomia After Head and Neck Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1319-1329.	0.8	43
38	Machine learning and modeling: Data, validation, communication challenges. Medical Physics, 2018, 45, e834-e840.	3.0	67
39	Modeling Patient-Specific Dose-Function Response for Enhanced Characterization of Personalized Functional Damage. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1265-1275.	0.8	5
40	The Role of Machine Learning in Knowledge-Based Response-Adapted Radiotherapy. Frontiers in Oncology, 2018, 8, 266.	2.8	30
41	Can radiomics personalise immunotherapy?. Lancet Oncology, The, 2018, 19, 1138-1139.	10.7	25
42	A multiobjective Bayesian networks approach for joint prediction of tumor local control and radiation pneumonitis in nonsmallâ€cell lung cancer (<scp>NSCLC</scp>) for responseâ€adapted radiotherapy. Medical Physics, 2018, 45, 3980-3995.	3.0	43
43	An analysis of knowledge-based planning for stereotactic body radiation therapy of the spine. Practical Radiation Oncology, 2017, 7, e355-e360.	2.1	38
44	Unraveling biophysical interactions of radiation pneumonitis in non-small-cell lung cancer via Bayesian network analysis. Radiotherapy and Oncology, 2017, 123, 85-92.	0.6	50
45	Developing and Validating a Survival Prediction Model for NSCLC Patients Through Distributed Learning Across 3 Countries. International Journal of Radiation Oncology Biology Physics, 2017, 99, 344-352.	0.8	102
46	Effect of Midtreatment PET/CT-Adapted Radiation Therapy With Concurrent Chemotherapy in Patients With Locally Advanced Nonâ€Small-Cell Lung Cancer. JAMA Oncology, 2017, 3, 1358.	7.1	177
47	Lower Incidence of Esophagitis in the Elderly Undergoing Definitive Radiation Therapy for Lung Cancer. Journal of Thoracic Oncology, 2017, 12, 539-546.	1.1	12
48	Plasma Levels of IL-8 and TGF-Î²1 Predict Radiation-Induced Lung Toxicity in Non-Small Cell Lung Cancer: A Validation Study. International Journal of Radiation Oncology Biology Physics, 2017, 98, 615-621.	0.8	48
49	Radiation-induced lung toxicity in non-small-cell lung cancer: Understanding the interactions of clinical factors and cytokines with the dose-toxicity relationship. Radiotherapy and Oncology, 2017, 125, 66-72.	0.6	14
50	Deep reinforcement learning for automated radiation adaptation in lung cancer. Medical Physics, 2017, 44, 6690-6705.	3.0	161
51	Radiation Sensitivity of the Liver: Models and Clinical Data. , 2017, , 39-47.		2
52	Implementing Radiation Dose-Volume Liver Response in Biomechanical Deformable Image Registration. International Journal of Radiation Oncology Biology Physics, 2017, 99, 1004-1012.	0.8	20
53	Radiogenomics and radiotherapy response modeling. Physics in Medicine and Biology, 2017, 62, R179-R206.	3.0	43
54	Big Data in Designing Clinical Trials: Opportunities and Challenges. Frontiers in Oncology, 2017, 7, 187.	2.8	36

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55	Cardiac Events After Radiation Therapy: Combined Analysis of Prospective Multicenter Trials for Locally Advanced Nonâ€‘Small-Cell Lung Cancer. <i>Journal of Clinical Oncology</i> , 2017, 35, 1395-1402.	1.6	283
56	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.	1.2	20
57	Optimizing global liver function in radiation therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2016, 61, 6465-6484.	3.0	13
58	Priority-driven plan optimization in locally advanced lung patients based on perfusion SPECT imaging. <i>Advances in Radiation Oncology</i> , 2016, 1, 281-289.	1.2	10
59	MINIO1.13: Prediction of Lung Toxicity in the Definitive Radiotherapy of Nonâ€‘Small Cell Lung Cancer using Clinical, Dosimetric and Biologic Factors. <i>Journal of Thoracic Oncology</i> , 2016, 11, S264-S265.	1.1	0
60	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, 645-652.	0.8	11
61	The big data effort in radiation oncology: Data mining or data farming?. <i>Advances in Radiation Oncology</i> , 2016, 1, 260-271.	1.2	58
62	Local and Global Function Model of the Liver. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 181-188.	0.8	26
63	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.	1.6	2
64	Use a survival model to correlate single-nucleotide polymorphisms of DNA repair genes with radiation doseâ€‘response in patients with non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2015, 117, 77-82.	0.6	15
65	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.	1.6	1
66	MRI to delineate the gross tumor volume of nasopharyngeal cancers: which sequences and planes should be used?. <i>Radiology and Oncology</i> , 2014, 48, 323-330.	1.7	9
67	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, 145-151.	0.8	30
68	Arterial Perfusion Imagingâ€‘Defined Subvolume of Intrahepatic Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 167-174.	0.8	15
69	Response-driven imaging biomarkers for predicting radiation necrosis of the brain. <i>Physics in Medicine and Biology</i> , 2014, 59, 2535-2547.	3.0	11
70	Estimating functional liver reserve following hepatic irradiation: Adaptive normal tissue response models. <i>Radiotherapy and Oncology</i> , 2014, 111, 418-423.	0.6	36
71	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, 313-321.	0.8	22
72	Timing and intensity of changes in FDG uptake with symptomatic esophagitis during radiotherapy or chemo-radiotherapy. <i>Radiation Oncology</i> , 2014, 9, 37.	2.7	22

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73	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	30
74	Prediction of Liver Function by Using Magnetic Resonance-based Portal Venous Perfusion Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 258-263.	0.8	60
75	Utility of Normal Tissue-to-Tumor \hat{I}_{\pm}/\hat{I}^2 Ratio When Evaluating Isodoses of Isoeffective Radiation Therapy Treatment Plans. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, e81-e87.	0.8	19
76	Predictive Models for Regional Hepatic Function Based on ^{99m}Tc -IDA SPECT and Local Radiation Dose for Physiologic Adaptive Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 1000-1006.	0.8	31
77	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, 956-963.	0.8	42
78	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.	0.8	50
79	FusionArc optimization: A hybrid volumetric modulated arc therapy (VMAT) and intensity modulated radiation therapy (IMRT) planning strategy. <i>Medical Physics</i> , 2013, 40, 071713.	3.0	22
80	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.	1.6	11
81	Concurrent Temozolomide and Dose-Escalated Intensity-Modulated Radiation Therapy in Newly Diagnosed Glioblastoma. <i>Clinical Cancer Research</i> , 2012, 18, 273-279.	7.0	115
82	Sensitivity analysis for lexicographic ordering in radiation therapy treatment planning. <i>Medical Physics</i> , 2012, 39, 3445-3455.	3.0	20
83	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-e638.	0.8	46
84	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, 1528-1533.	0.8	28
85	Dosimetric Analysis of Radiation-induced Gastric Bleeding. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, e1-e6.	0.8	18
86	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-e222.	0.8	88
87	Dosimetric implications of residual seminal vesicle motion in fiducial-guided intensity-modulated radiotherapy for prostate cancer. <i>Medical Dosimetry</i> , 2012, 37, 240-244.	0.9	8
88	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
89	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-e99.	0.8	216
90	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, 71-78.	1.1	37

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91	Functional and Molecular Image Guidance in Radiotherapy Treatment Planning Optimization. <i>Seminars in Radiation Oncology</i> , 2011, 21, 111-118.	2.2	32
92	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, 1259-1265.	0.8	77
93	Radiation-Associated Kidney Injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S108-S115.	0.8	245
94	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-S154.	0.8	101
95	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, 782-788.	0.8	39
96	Radiation Dose-Volume Effects in the Stomach and Small Bowel. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S101-S107.	0.8	457
97	Radiation-Associated Liver Injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S94-S100.	0.8	592
98	Parotid Gland Function After Radiotherapy: The Combined Michigan and Utrecht Experience. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 449-453.	0.8	155
99	Use of Normal Tissue Complication Probability Models in the Clinic. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S10-S19.	0.8	1,376
100	Guest Editor's Introduction to QUANTEC: A Users Guide. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S1-S2.	0.8	166
101	Imaging for Assessment of Radiation-Induced Normal Tissue Effects. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S140-S144.	0.8	34
102	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-S9.	0.8	879
103	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, 334-340.	0.8	9
104	Association of ¹¹ C-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, 479-485.	0.8	135
105	Designing Targets for Elective Nodal Irradiation in Lung Cancer Radiotherapy: A Planning Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 1397-1403.	0.8	6
106	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, 1228-1234.	0.8	137
107	Liver Function After Irradiation Based on Computed Tomographic Portal Vein Perfusion Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 154-160.	0.8	47
108	A Pilot Study of [¹⁸ F]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, 3116-3123.	1.6	154

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109	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, 6575-6587.	3.0	6
110	The impact of breathing motion versus heterogeneity effects in lung cancer treatment planning. <i>Medical Physics</i> , 2007, 34, 1462-1473.	3.0	12
111	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, 153-159.	0.6	37
112	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, 521-529.	3.0	46
113	The prediction of radiation-induced liver dysfunction using a local dose and regional venous perfusion model. <i>Medical Physics</i> , 2007, 34, 604-612.	3.0	34
114	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, 660-669.	0.8	189
115	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, 1476-1483.	0.8	7
116	Physical Models and Simpler Dosimetric Descriptors of Radiation Late Toxicity. <i>Seminars in Radiation Oncology</i> , 2007, 17, 108-120.	2.2	52
117	Ideal spatial radiotherapy dose distributions subject to positional uncertainties. <i>Physics in Medicine and Biology</i> , 2006, 51, 6329-6347.	3.0	14
118	Advances in Radiation Oncology. <i>Annual Review of Medicine</i> , 2006, 57, 19-31.	12.2	58
119	An application of Bayesian statistical methods to adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , 2006, 51, 3603-3603.	3.0	0
120	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, 120-126.	0.8	78
121	Clinical investigation survival prediction in high-grade gliomas by MRI perfusion before and during early stage of RT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 876-885.	0.8	128
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, 255-265.	0.8	28
123	In response to Dr. Yan et al.. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 1614-1615.	0.8	0
124	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, 1075-1086.	0.8	294
125	Reporting and analyzing statistical uncertainties in Monte Carlo-based treatment planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 65, 1249-1259.	0.8	76
126	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. (<i>Int J Radiat Oncol Biol Phys</i> 2006;65:189-195). <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, 1272.	0.8	9

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127	The Clinical Application of Intensity-Modulated Radiation Therapy. Seminars in Radiation Oncology, 2006, 16, 224-231.	2.2	20
128	A practical approach for quantitative estimates of voxel-by-voxel liver perfusion using DCE imaging and a compartmental model. Medical Physics, 2006, 33, 3057-3062.	3.0	11
129	How extensive of a 4D dataset is needed to estimate cumulative dose distribution plan evaluation	3.0	64
130	Synchronized dynamic dose reconstruction. Medical Physics, 2006, 34, 91-102.	3.0	34
131	Body Mass Index Predicts the Incidence of Radiation Pneumonitis in Breast Cancer Patients. Cancer Journal (Sudbury, Mass), 2005, 11, 390-398.	2.0	15
132	Prospective study of inner ear radiation dose and hearing loss in head-and-neck cancer patients. International Journal of Radiation Oncology Biology Physics, 2005, 61, 1393-1402.	0.8	176
133	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. International Journal of Radiation Oncology Biology Physics, 2005, 62, 328-332.	0.8	36
134	Use of principal component analysis to evaluate the partial organ tolerance of normal tissues to radiation. International Journal of Radiation Oncology Biology Physics, 2005, 62, 829-837.	0.8	57
135	CT-based definition of thoracic lymph node stations: An atlas from the University of Michigan. International Journal of Radiation Oncology Biology Physics, 2005, 63, 170-178.	0.8	134
136	Esophagus sparing with IMRT in lung tumor irradiation: An EUD-based optimization technique. International Journal of Radiation Oncology Biology Physics, 2005, 63, 179-187.	0.8	43
137	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. International Journal of Radiation Oncology Biology Physics, 2005, 63, 324-333.	0.8	450
138	Retrospective analysis of prostate cancer patients with implanted gold markers using off-line and adaptive therapy protocols. International Journal of Radiation Oncology Biology Physics, 2005, 63, 123-133.	0.8	61
139	Benefit of using biologic parameters (EUD and NTCP) in IMRT optimization for treatment of intrahepatic tumors. International Journal of Radiation Oncology Biology Physics, 2005, 62, 571-578.	0.8	60
140	Evaluating the influence of setup uncertainties on treatment planning for focal liver tumors. International Journal of Radiation Oncology Biology Physics, 2005, 63, 610-614.	0.8	26
141	Non-Small Cell Lung Cancer Therapy-Related Pulmonary Toxicity: An Update on Radiation Pneumonitis and Fibrosis. Seminars in Oncology, 2005, 32, 42-54.	2.2	158
142	Partial Volume Tolerance of the Liver to Radiation. Seminars in Radiation Oncology, 2005, 15, 279-283.	2.2	244
143	Monte Carlo-based lung cancer treatment planning incorporating PET-defined target volumes. Journal of Applied Clinical Medical Physics, 2005, 6, 65-76.	1.9	6
144	A Bayesian mixture model relating dose to critical organs and functional complication in 3D conformal radiation therapy. Biostatistics, 2005, 6, 615-632.	1.5	13

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145	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, 8739-8747.	1.6	308
146	Use of Magnetic Resonance Imaging to Assess Blood-Brain/Blood-Glioma Barrier Opening During Conformal Radiotherapy. <i>Journal of Clinical Oncology</i> , 2005, 23, 4127-4136.	1.6	149
147	An application of Bayesian statistical methods to adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , 2005, 50, 3849-3858.	3.0	30
148	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, 801-815.	3.0	21
149	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, 176-181.	0.6	101
150	Dose reconstruction in deforming lung anatomy: Dose grid size effects and clinical implications. <i>Medical Physics</i> , 2005, 32, 2487-2495.	3.0	95
151	Monte Carlo-based lung cancer treatment planning incorporating PET-defined target volumes. <i>Journal of Applied Clinical Medical Physics</i> , 2005, 6, 65-76.	1.9	4
152	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, 925-932.	3.0	26
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