

Lei Dong

List of Publications by Year in descending order

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203
papers

14,383
citations

17440

63
h-index

21540

114
g-index

206
all docs

206
docs citations

206
times ranked

8343
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Two-Voltage and Three-Voltage Linear Methods for Deriving Ion Recombination Correction Factors in Proton FLASH Irradiation. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 263-270.	3.7	7
2	Development of Ultra-High Dose-Rate (FLASH) Particle Therapy. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 252-262.	3.7	17
3	AAPM Task Group Report 290: Respiratory motion management for particle therapy. Medical Physics, 2022, 49, .	3.0	30
4	Fetal dose from proton pencil beam scanning craniospinal irradiation during pregnancy: a Monte Carlo study. Physics in Medicine and Biology, 2022, 67, 035003.	3.0	5
5	Advanced Topics in Particle Radiotherapy. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 247-251.	3.7	0
6	Management of Motion and Anatomical Variations in Charged Particle Therapy: Past, Present, and Into the Future. Frontiers in Oncology, 2022, 12, 806153.	2.8	17
7	Emerging Technologies in Mitigating the Risks of Cardiac Toxicity From Breast Radiotherapy. Seminars in Radiation Oncology, 2022, 32, 270-281.	2.2	3
8	Linear energy transfer weighted beam orientation optimization for intensityâ€modulated proton therapy. Medical Physics, 2021, 48, 57-70.	3.0	15
9	Current delivery limitations of proton PBS for FLASH. Radiotherapy and Oncology, 2021, 155, 212-218.	0.6	35
10	Roadmap: proton therapy physics and biology. Physics in Medicine and Biology, 2021, 66, 05RM01.	3.0	67
11	Tissue-specific deformable image registration using a spatial-contextual filter. Computerized Medical Imaging and Graphics, 2021, 88, 101849.	5.8	3
12	Cherenkov imaging for total skin electron therapy: an evaluation of dose uniformity. , 2021, 11628, .		2
13	Simultaneous Multiple Liver Metastasis Treated with Pencil Beam Proton Stereotactic Body Radiotherapy (SBRT). International Journal of Particle Therapy, 2021, 8, 89-94.	1.8	2
14	Abstract IA-019: Preclinical studies with proton FLASH radiotherapy in mice and canines: Biological effects, biophysical considerations and potential mechanisms. , 2021, , .		0
15	Dual-Energy Computed Tomography Proton-Dose Calculation with Scripting and Modified Hounsfield Units. International Journal of Particle Therapy, 2021, 8, 62-72.	1.8	6
16	Characterization of a highâ€resolution 2D transmission ion chamber for independent validation of proton pencil beam scanning of conventional and FLASH dose delivery. Medical Physics, 2021, 48, 3948-3957.	3.0	16
17	FLASH Proton Radiotherapy Spares Normal Epithelial and Mesenchymal Tissues While Preserving Sarcoma Response. Cancer Research, 2021, 81, 4808-4821.	0.9	77
18	Comparison of FLASH Proton Entrance and the Spread-Out Bragg Peak Dose Regions in the Spruing of Mouse Intestinal Crypts and in a Pancreatic Tumor Model. Cancers, 2021, 13, 4244.	3.7	48

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19	A Probability-Based Investigation on the Setup Robustness of Pencil-beam Proton Radiation Therapy for Skull-Base Meningioma. <i>International Journal of Particle Therapy</i> , 2021, 7, 34-45.	1.8	0
20	Deep learning for automatic target volume segmentation in radiation therapy: a review. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4847-4858.	2.0	19
21	Increase in Superficial Dose in Whole-Breast Irradiation With Halcyon Straight-Through Linac Compared With Traditional C-arm Linac With Flattening Filter: In-Vivo Dosimetry and Planning Study. <i>Advances in Radiation Oncology</i> , 2020, 5, 120-126.	1.2	18
22	Cherenkov imaging for total skin electron therapy (TSET). <i>Medical Physics</i> , 2020, 47, 201-212.	3.0	22
23	Technical Note: Dosimetric characterization of the dynamic beam flattening MLC sequence on a ring shaped, Jawless Linear Accelerator with double stacked MLC. <i>Medical Physics</i> , 2020, 47, 948-957.	3.0	7
24	Inter-fraction robustness of intensity-modulated proton therapy in the post-operative treatment of oropharyngeal and oral cavity squamous cell carcinomas. <i>British Journal of Radiology</i> , 2020, 93, 20190638.	2.2	12
25	Initial clinical experience treating patients with palliative radiotherapy for malignant pleural mesothelioma on the Halcyon™ linear accelerator. <i>Annals of Palliative Medicine</i> , 2020, 9, 2903-2912.	1.2	2
26	Dose to Highly Functional Ventilation Zones Improves Prediction of Radiation Pneumonitis for Proton and Photon Lung Cancer Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 79-87.	0.8	16
27	Per-fraction positional and dosimetric performance of prone breast tangential radiotherapy on Halcyon™ linear accelerator assessed with daily rapid kilo-voltage cone beam computed tomography: a single-institution pilot study. <i>Radiation Oncology</i> , 2020, 15, 258.	2.7	2
28	Higher Dose Volumes May Be Better for Evaluating Radiation Pneumonitis in Lung Proton Therapy Patients Compared With Traditional Photon-Based Dose Constraints. <i>Advances in Radiation Oncology</i> , 2020, 5, 943-950.	1.2	6
29	Evaluation of an a priori scatter correction algorithm for cone-beam computed tomography based range and dose calculations in proton therapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 89-94.	2.9	9
30	Initial Clinical Experience Treating Patients With Gynecologic Cancers on a 6MV Flattening Filter Free O-Ring Linear Accelerator. <i>Advances in Radiation Oncology</i> , 2020, 5, 920-928.	1.2	4
31	Fraction-variant beam orientation optimization for intensity-modulated proton therapy. <i>Medical Physics</i> , 2020, 47, 3826-3834.	3.0	3
32	A novel energy layer optimization framework for spot-scanning proton arc therapy. <i>Medical Physics</i> , 2020, 47, 2072-2084.	3.0	27
33	Long-term Inter-protocol kV CBCT image quality assessment for a ring-gantry linac via automated QA approach. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 015025.	1.2	3
34	Design, Implementation, and In-Vivo Validation of a Novel Proton FLASH Radiation Therapy System. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 440-448.	0.8	274
35	Initial Evaluation of a Novel Cone-Beam CT-Based Semi-Automated Online Adaptive Radiotherapy System for Head and Neck Cancer Treatment – A Timing and Automation Quality Study. <i>Cureus</i> , 2020, 12, e9660.	0.5	21
36	Initial Clinical Experience Treating Patients With Lung Cancer on a 6MV-Flattening-Filter-Free O-Ring Linear Accelerator. <i>Cureus</i> , 2020, 12, e10325.	0.5	1

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37	Experience in commissioning the halcyon linac. Medical Physics, 2019, 46, 4304-4313.	3.0	35
38	Dosimetric impact and detectability of multi-leaf collimator positioning errors on Varian Halcyon. Journal of Applied Clinical Medical Physics, 2019, 20, 47-55.	1.9	14
39	A Super-Learner Model for Tumor Motion Prediction and Management in Radiation Therapy: Development and Feasibility Evaluation. Scientific Reports, 2019, 9, 14868.	3.3	22
40	Initial Clinical Experience Treating Patients with Breast Cancer on a 6-MV Flattening-Filter-Free O-Ring Linear Accelerator. Advances in Radiation Oncology, 2019, 4, 571-578.	1.2	14
41	Report of the AAPM TG-256 on the relative biological effectiveness of proton beams in radiation therapy. Medical Physics, 2019, 46, e53-e78.	3.0	189
42	Robust beam orientation optimization for intensity-modulated proton therapy. Medical Physics, 2019, 46, 3356-3370.	3.0	28
43	Characterization of the Megavoltage Cone-Beam Computed Tomography (MV-CBCT) System on HalcyonTM for IGRT: Image Quality Benchmark, Clinical Performance, and Organ Doses. Frontiers in Oncology, 2019, 9, 496.	2.8	11
44	Multi-Institutional Dosimetric Evaluation of Modern Day Stereotactic Radiosurgery (SRS) Treatment Options for Multiple Brain Metastases. Frontiers in Oncology, 2019, 9, 483.	2.8	64
45	Design and commissioning of an image-guided small animal radiation platform and quality assurance protocol for integrated proton and x-ray radiobiology research. Physics in Medicine and Biology, 2019, 64, 135013.	3.0	22
46	Spine SBRT With Halcyon: Plan Quality, Modulation Complexity, Delivery Accuracy, and Speed. Frontiers in Oncology, 2019, 9, 319.	2.8	23
47	Influence of intravenous contrast agent on dose calculation in proton therapy using dual energy CT. Physics in Medicine and Biology, 2019, 64, 125024.	3.0	14
48	Dosimetric Performance and Planning/Delivery Efficiency of a Dual-Layer Stacked and Staggered MLC on Treating Multiple Small Targets: A Planning Study Based on Single-Isocenter Multi-Target Stereotactic Radiosurgery (SRS) to Brain Metastases. Frontiers in Oncology, 2019, 9, 7.	2.8	28
49	Dosimetric Characterization of the Dual Layer MLC System for an O-Ring Linear Accelerator. Technology in Cancer Research and Treatment, 2019, 18, 153303381988364.	1.9	12
50	On-line dose-guidance to account for inter-fractional motion during proton therapy. Physics and Imaging in Radiation Oncology, 2019, 9, 7-13.	2.9	7
51	Robust optimization for intensity-modulated proton therapy with soft spot sensitivity regularization. Medical Physics, 2019, 46, 1408-1425.	3.0	13
52	Piezo-enhanced acoustic detection module for mid-infrared trace gas sensing using a grooved quartz tuning fork. Optics Express, 2019, 27, 35267.	3.4	12
53	Integrated beam orientation and scanning-spot optimization in intensity-modulated proton therapy for brain and unilateral head and neck tumors. Medical Physics, 2018, 45, 1338-1350.	3.0	45
54	Technical Note: Solving the "Chinese postman problem" for effective contour deformation. Medical Physics, 2018, 45, 767-772.	3.0	0

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55	Whole Breast Irradiation with Halcyon [®] , [®] 2.0: Workflow and Efficiency of Field-in-Field Treatment with Dynamic Beam Flattening Technique and kV Cone Beam Computed Tomography. <i>Cureus</i> , 2018, 10, e3510.	0.5	10
56	Automated Knowledge-Based Intensity-Modulated Proton Planning: An International Multicenter Benchmarking Study. <i>Cancers</i> , 2018, 10, 420.	3.7	21
57	Efficient double-scattering proton therapy with a patient-specific bolus. <i>Physica Medica</i> , 2018, 50, 1-6.	0.7	1
58	Current State of Image Guidance in Radiation Oncology: Implications for PTV Margin Expansion and Adaptive Therapy. <i>Seminars in Radiation Oncology</i> , 2018, 28, 238-247.	2.2	21
59	Impact of Multi-leaf Collimator Parameters on Head and Neck Plan Quality and Delivery: A Comparison between Halcyon [®] , [®] and Truebeam [®] Treatment Delivery Systems. <i>Cureus</i> , 2018, 10, e3648.	0.5	20
60	Consensus Guidelines for Implementing Pencil-Beam Scanning Proton Therapy for Thoracic Malignancies on Behalf of the PTCOG Thoracic and Lymphoma Subcommittee. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 41-50.	0.8	162
61	Comparison of multi-institutional Varian ProBeam pencil beam scanning proton beam commissioning data. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 96-107.	1.9	42
62	Field-Specific Intensity-modulated Proton Therapy Optimization Technique for Breast Cancer Patients with Tissue Expanders Containing Metal Ports. <i>Cureus</i> , 2017, 9, e1698.	0.5	8
63	Learning anatomy changes from patient populations to create artificial CT images for voxel-level validation of deformable image registration. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 246-258.	1.9	14
64	Perturbation of water-equivalent thickness as a surrogate for respiratory motion in proton therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 368-378.	1.9	19
65	Impact of fractionation and number of fields on dose homogeneity for intra-fractionally moving lung tumors using scanned carbon ion treatment. <i>Radiotherapy and Oncology</i> , 2016, 118, 498-503.	0.6	9
66	Digital reconstruction of high-quality daily 4D cone-beam CT images using prior knowledge of anatomy and respiratory motion. <i>Computerized Medical Imaging and Graphics</i> , 2015, 40, 30-38.	5.8	7
67	Improved human observer performance in digital reconstructed radiograph verification in head and neck cancer radiotherapy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1667-1673.	2.8	4
68	Impact of respiratory motion on worst-case scenario optimized intensity modulated proton therapy for lung cancers. <i>Practical Radiation Oncology</i> , 2015, 5, e77-e86.	2.1	75
69	Position effects of acoustic micro-resonator in quartz enhanced photoacoustic spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 364-370.	7.8	36
70	Forecasting longitudinal changes in oropharyngeal tumor morphology throughout the course of head and neck radiation therapy. <i>Medical Physics</i> , 2014, 41, 081708.	3.0	2
71	A serial 4DCT study to quantify range variations in charged particle radiotherapy of thoracic cancers. <i>Journal of Radiation Research</i> , 2014, 55, 309-319.	1.6	17
72	Dosimetric benefits of robust treatment planning for intensity modulated proton therapy for base-of-skull cancers. <i>Practical Radiation Oncology</i> , 2014, 4, 384-391.	2.1	56

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73	Auto-segmentation of low-risk clinical target volume for head and neck radiation therapy. Practical Radiation Oncology, 2014, 4, e31-e37.	2.1	28
74	Predicting oropharyngeal tumor volume throughout the course of radiation therapy from pretreatment computed tomography data using general linear models. Medical Physics, 2014, 41, 051705.	3.0	5
75	Advantages of simulating thoracic cancer patients in an upright position. Practical Radiation Oncology, 2014, 4, e53-e58.	2.1	35
76	Statistical Modeling Approach to Quantitative Analysis of Interobserver Variability in Breast Contouring. International Journal of Radiation Oncology Biology Physics, 2014, 89, 214-221.	0.8	22
77	A six-year review of more than 13,000 patient-specific IMRT QA results from 13 different treatment sites. Journal of Applied Clinical Medical Physics, 2014, 15, 196-206.	1.9	30
78	Image Guided Radiation Therapy (IGRT) Technologies for Radiation Therapy Localization and Delivery. International Journal of Radiation Oncology Biology Physics, 2013, 87, 33-45.	0.8	120
79	Patterns of Disease Recurrence Following Treatment of Oropharyngeal Cancer With Intensity Modulated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2013, 85, 941-947.	0.8	99
80	Modeling respiratory motion for reducing motion artifacts in 4D CT images. Medical Physics, 2013, 40, 041716.	3.0	47
81	Anatomic variation and dosimetric consequences of neoadjuvant hormone therapy before radiation therapy for prostate cancer. Practical Radiation Oncology, 2013, 3, 329-336.	2.1	1
82	Anatomic distribution of [18 F] fluorodeoxyglucose-avid lymph nodes in patients with cervical cancer. Practical Radiation Oncology, 2013, 3, 45-53.	2.1	21
83	Anatomic Distribution of Fluorodeoxyglucose-Avid Para-aortic Lymph Nodes in Patients With Cervical Cancer. International Journal of Radiation Oncology Biology Physics, 2013, 85, 1045-1050.	0.8	33
84	Osteoradionecrosis and Radiation Dose to the Mandible in Patients With Oropharyngeal Cancer. International Journal of Radiation Oncology Biology Physics, 2013, 85, 415-420.	0.8	209
85	Oncology Scan—Improvements in Dose Calculation, Deformable Registration, and MR-Guided Radiation Delivery. International Journal of Radiation Oncology Biology Physics, 2013, 86, 395-397.	0.8	6
86	Adaptive radiotherapy for head and neck cancer—Dosimetric results from a prospective clinical trial. Radiotherapy and Oncology, 2013, 106, 80-84.	0.6	168
87	Automatic contouring of brachial plexus using a multi-atlas approach for lung cancer radiation therapy. Practical Radiation Oncology, 2013, 3, e139-e147.	2.1	37
88	Physics Controversies in Proton Therapy. Seminars in Radiation Oncology, 2013, 23, 88-96.	2.2	127
89	Anisotropic Margin Expansions in 6 Anatomic Directions for Oropharyngeal Image Guided Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2013, 87, 596-601.	0.8	11
90	Statistical Assessment of Proton Treatment Plans Under Setup and Range Uncertainties. International Journal of Radiation Oncology Biology Physics, 2013, 86, 1007-1013.	0.8	53

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91	Effectiveness of robust optimization in intensity-modulated proton therapy planning for head and neck cancers. <i>Medical Physics</i> , 2013, 40, 051711.	3.0	135
92	A technique to use CT images for <i>in vivo</i> detection and quantification of the spatial distribution of radiation-induced esophagitis. <i>Journal of Applied Clinical Medical Physics</i> , 2013, 14, 91-98.	1.9	14
93	A novel dose-based positioning method for CT image-guided proton therapy. <i>Medical Physics</i> , 2013, 40, 051714.	3.0	13
94	Fast range-corrected proton dose approximation method using prior dose distribution. <i>Physics in Medicine and Biology</i> , 2012, 57, 3555-3569.	3.0	14
95	<i>Medical Physics</i> , 2012, 39, 5136-5144.	3.0	20
96	A Beam-Specific Planning Target Volume (PTV) Design for Proton Therapy to Account for Setup and Range Uncertainties. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e329-e336.	0.8	145
97	Dose Constraints to Prevent Radiation-Induced Brachial Plexopathy in Patients Treated for Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e391-e398.	0.8	67
98	Adaptive Radiotherapy for Head-and-Neck Cancer: Initial Clinical Outcomes From a Prospective Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 986-993.	0.8	205
99	Metabolic Imaging Biomarkers of Postradiotherapy Xerostomia. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 1609-1616.	0.8	19
100	Do Intermediate Radiation Doses Contribute to Late Rectal Toxicity? An Analysis of Data From Radiation Therapy Oncology Group Protocol 94-06. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, 390-395.	0.8	26
101	Quantifying the Interfractional Displacement of the Gastroesophageal Junction During Radiation Therapy for Esophageal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, e273-e280.	0.8	31
102	Current clinical coverage of Radiation Therapy Oncology Group-defined target volumes for postmastectomy radiation therapy. <i>Practical Radiation Oncology</i> , 2012, 2, 201-209.	2.1	30
103	An evidence based review of proton beam therapy: The report of ASTRO's emerging technology committee. <i>Radiotherapy and Oncology</i> , 2012, 103, 8-11.	0.6	212
104	A comparison of tumor motion characteristics between early stage and locally advanced stage lung cancers. <i>Radiotherapy and Oncology</i> , 2012, 104, 33-38.	0.6	39
105	Use of fractional dose-volume histograms to model risk of acute rectal toxicity among patients treated on RTOG 94-06. <i>Radiotherapy and Oncology</i> , 2012, 104, 109-113.	0.6	11
106	Quality assurance for image-guided radiation therapy utilizing CT-based technologies: A report of the AAPM TG-179. <i>Medical Physics</i> , 2012, 39, 1946-1963.	3.0	251
107	Comprehensive analysis of proton range uncertainties related to patient stopping-power-ratio estimation using the stoichiometric calibration. <i>Physics in Medicine and Biology</i> , 2012, 57, 4095-4115.	3.0	273
108	A statistical modeling approach for evaluating auto-segmentation methods for image-guided radiotherapy. <i>Computerized Medical Imaging and Graphics</i> , 2012, 36, 492-500.	5.8	13

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109	Assessment of shoulder position variation and its impact on IMRT and VMAT doses for head and neck cancer. <i>Radiation Oncology</i> , 2012, 7, 19.	2.7	34
110	Automating RTOG-defined target volumes for postmastectomy radiation therapy. <i>Practical Radiation Oncology</i> , 2011, 1, 97-104.	2.1	4
111	Dosimetry tools and techniques for IMRT. <i>Medical Physics</i> , 2011, 38, 1313-1338.	3.0	359
112	Toward a better understanding of the gamma index: Investigation of parameters with a surface-based	3.0	44
113	Intensity-Modulated Proton Therapy Further Reduces Normal Tissue Exposure During Definitive Therapy for Locally Advanced Distal Esophageal Tumors: A Dosimetric Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, 1336-1342.	0.8	122
114	Estimation of $\hat{\Gamma}_{\pm}/\hat{\Gamma}^2$ for Late Rectal Toxicity Based on RTOG 94-06. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, 600-605.	0.8	76
115	Adaptive Radiation Therapy for Head and Neck Cancer—Can an Old Goal Evolve into a New Standard?. <i>Journal of Oncology</i> , 2011, 2011, 1-13.	1.3	56
116	Daily Alignment Results of In-Room Computed Tomography-Guided Stereotactic Body Radiation Therapy for Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 473-480.	0.8	25
117	Evaluation of Tumor Position and PTV Margins Using Image Guidance and Respiratory Gating. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 1578-1585.	0.8	24
118	Lack of Correlation Between External Fiducial Positions and Internal Tumor Positions During Breath-Hold CT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 1586-1591.	0.8	36
119	Candidate Dosimetric Predictors of Long-Term Swallowing Dysfunction After Oropharyngeal Intensity-Modulated Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 1356-1365.	0.8	156
120	Late Rectal Toxicity on RTOG 94-06: Analysis Using a Mixture Lyman Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 1253-1260.	0.8	60
121	The precision of respiratory-gated delivery of synchrotron-based pulsed beam proton therapy. <i>Physics in Medicine and Biology</i> , 2010, 55, 7633-7647.	3.0	14
122	A CT-based software tool for evaluating compensator quality in passively scattered proton therapy. <i>Physics in Medicine and Biology</i> , 2010, 55, 6759-6771.	3.0	10
123	A Volumetric Trend Analysis of the Prostate and Seminal Vesicles During a Course of Intensity-Modulated Radiation Therapy. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2010, 33, 173-175.	1.3	7
124	Effectiveness of Using Fewer Implanted Fiducial Markers for Prostate Target Alignment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 1283-1289.	0.8	33
125	Automatic Segmentation of Whole Breast Using Atlas Approach and Deformable Image Registration. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 1493-1500.	0.8	102
126	Tumor-Volume Simulation During Radiotherapy for Head-and-Neck Cancer Using a Four-Level Cell Population Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 595-602.	0.8	26

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127	Proton Radiotherapy for Liver Tumors: Dosimetric Advantages Over Photon Plans. <i>Medical Dosimetry</i> , 2008, 33, 259-267.	0.9	83
128	Stereotactic Body Radiation Therapy in Centrally and Superiorly Located Stage I or Isolated Recurrent Non-small-Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 967-971.	0.8	251
129	Long-Term Results of the M. D. Anderson Randomized Dose-Escalation Trial for Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 67-74.	0.8	1,137
130	Quantification of Prostate and Seminal Vesicle Interfraction Variation During IMRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 813-820.	0.8	74
131	Comparison of 2D Radiographic Images and 3D Cone Beam Computed Tomography for Positioning Head-and-Neck Radiotherapy Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 916-925.	0.8	112
132	Daily Bone Alignment With Limited Repeat CT Correction Rivals Daily Ultrasound Alignment for Prostate Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 274-280.	0.8	3
133	Improving Soft-Tissue Contrast in Four-Dimensional Computed Tomography Images of Liver Cancer Patients Using a Deformable Image Registration Method. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 201-209.	0.8	13
134	Performance Evaluation of Automatic Anatomy Segmentation Algorithm on Repeat or Four-Dimensional Computed Tomography Images Using Deformable Image Registration Method. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 210-219.	0.8	98
135	Efficiency of respiratory-gated delivery of synchrotron-based pulsed proton irradiation. <i>Physics in Medicine and Biology</i> , 2008, 53, 1947-1959.	3.0	30
136	Improving accuracy of electron density measurement in the presence of metallic implants using orthovoltage computed tomography. <i>Medical Physics</i> , 2008, 35, 1932-1941.	3.0	19
137	Image-guided Radiation Therapy for Non-small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2008, 3, 177-186.	1.1	101
138	A technique for reducing patient setup uncertainties by aligning and verifying daily positioning of a moving tumor using implanted fiducials. <i>Journal of Applied Clinical Medical Physics</i> , 2008, 9, 110-122.	1.9	5
139	Objective assessment of deformable image registration in radiotherapy: A multi-institution study. <i>Medical Physics</i> , 2008, 35, 5944-5953.	3.0	132
140	A novel patch-field design using an optimized grid filter for passively scattered proton beams. <i>Physics in Medicine and Biology</i> , 2007, 52, N265-N275.	3.0	14
141	Monte Carlo simulations of the dosimetric impact of radiopaque fiducial markers for proton radiotherapy of the prostate. <i>Physics in Medicine and Biology</i> , 2007, 52, 2937-2952.	3.0	83
142	The Effect of Dental Artifacts, Contrast Media, and Experience on Interobserver Contouring Variations in Head and Neck Anatomy. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2007, 30, 191-198.	1.3	33
143	Evaluation of respiratory-induced target motion for esophageal tumors at the gastroesophageal junction. <i>Radiotherapy and Oncology</i> , 2007, 84, 283-289.	0.6	73
144	Is a 3-mm intrafractional margin sufficient for daily image-guided intensity-modulated radiation therapy of prostate cancer?. <i>Radiotherapy and Oncology</i> , 2007, 85, 251-259.	0.6	35

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145	Accuracy of two heterogeneity dose calculation algorithms for IMRT in treatment plans designed using an anthropomorphic thorax phantom. <i>Medical Physics</i> , 2007, 34, 1850-1857.	3.0	60
146	Disease-control rates following intensity-modulated radiation therapy for small primary oropharyngeal carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 438-444.	0.8	130
147	Reducing metal artifacts in cone-beam CT images by preprocessing projection data. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 924-932.	0.8	209
148	Effect of anatomic motion on proton therapy dose distributions in prostate cancer treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 620-629.	0.8	89
149	Investigation of bladder dose and volume factors influencing late urinary toxicity after external beam radiotherapy for prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 1059-1065.	0.8	127
150	4D Proton treatment planning strategy for mobile lung tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 906-914.	0.8	178
151	Assessing Respiration-Induced Tumor Motion and Internal Target Volume Using Four-Dimensional Computed Tomography for Radiotherapy of Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 531-540.	0.8	306
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