

Paul J Keall

List of Publications by Year in descending order

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Version: 2024-02-01

423
papers

16,592
citations

17587

60
h-index

18395

114
g-index

432
all docs

432
docs citations

432
times ranked

6104
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospective randomized trial comparing two devices for deep inspiration breath hold management in breast radiotherapy: Results of the BRAVEHeart trial. <i>Advances in Radiation Oncology</i> , 2024, , 101572.	1.2	0
2	Data-driven rapid 4D cone-beam CT reconstruction for new generation linacs. <i>Physics in Medicine and Biology</i> , 2024, 69, 18NT02.	3.0	0
3	Rapid distortion correction enables accurate magnetic resonance imaging-guided real-time adaptive radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2023, 25, 100414.	2.8	1
4	MArkerless image Guidance using Intrafraction Kilovoltage x-ray imaging (MAGIK): study protocol for a phase I interventional study for lung cancer radiotherapy. <i>BMJ Open</i> , 2022, 12, e057135.	2.1	0
5	A novel semiautomated method for background activity and biological tumour volume definition to improve standardisation of 18F-FET PET imaging in glioblastoma. <i>EJNMMI Physics</i> , 2022, 9, 9.	2.8	4
6	The markerless lung target tracking AAPM Grand Challenge (MATCH) results. <i>Medical Physics</i> , 2022, 49, 1161-1180.	2.9	15
7	A systematic review of assessment approaches to predict opioid misuse in people with cancer. <i>Supportive Care in Cancer</i> , 2022, 30, 5645-5658.	2.2	5
8	Reducing 4DCBCT imaging dose and time: exploring the limits of adaptive acquisition and motion compensated reconstruction. <i>Physics in Medicine and Biology</i> , 2022, 67, 065002.	3.0	2
9	Magnetic resonance imaging (MRI) guided proton therapy: A review of the clinical challenges, potential benefits and pathway to implementation. <i>Radiotherapy and Oncology</i> , 2022, 170, 37-47.	0.6	22
10	Experimental characterisation of the magnetic field correction factor, k_B , for Roos chambers in a parallel MRI-linac. <i>Physics in Medicine and Biology</i> , 2022, 67, 095017.	3.0	2
11	Integrated MRI-guided radiotherapy – opportunities and challenges. <i>Nature Reviews Clinical Oncology</i> , 2022, 19, 458-470.	27.1	62
12	Investigating the use of machine learning to generate ventilation images from CT scans. <i>Medical Physics</i> , 2022, 49, 5258-5267.	2.9	6
13	Repeatability of radiotherapy dose-painting prescriptions derived from a multiparametric magnetic resonance imaging model of glioblastoma infiltration. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 23, 8-15.	2.8	4
14	CARDiac and RESpiratory adaptive Computed Tomography (CARE-CT): a proof-of-concept digital phantom study. <i>Physical and Engineering Sciences in Medicine</i> , 2022, 45, 1257-1271.	2.5	2
15	MLC tracking for lung SABR is feasible, efficient and delivers high-precision target dose and lower normal tissue dose. <i>Radiotherapy and Oncology</i> , 2021, 155, 131-137.	0.6	20
16	A Review of Cardiac Radioablation (CR) for Arrhythmias: Procedures, Technology, and Future Opportunities. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 783-800.	0.8	43
17	Adapting to the motion of multiple independent targets using multileaf collimator tracking for locally advanced prostate cancer: Proof of principle simulation study. <i>Medical Physics</i> , 2021, 48, 114-124.	2.9	3
18	AAPM Task Group 264: The safe clinical implementation of MLC tracking in radiotherapy. <i>Medical Physics</i> , 2021, 48, e44-e64.	2.9	49

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19	Toward real-time verification for MLC tracking treatments using time-resolved EPID imaging. Medical Physics, 2021, 48, 953-964.	2.9	3
20	Minimizing 4DCBCT imaging dose and scan time with Respiratory Motion Guided 4DCBCT: a pre-clinical investigation. Biomedical Physics and Engineering Express, 2021, 7, 025009.	1.2	1
21	Cardiac radioablation for atrial fibrillation: Target motion characterization and treatment delivery considerations. Medical Physics, 2021, 48, 931-941.	2.9	20
22	Reducing 4DCBCT scan time and dose through motion compensated acquisition and reconstruction. Physics in Medicine and Biology, 2021, 66, 075002.	3.0	3
23	Adaptive Cardiac Cone Beam computed Tomography (ACROBEAT): Developing the next generation of cardiac cone beam CT imaging. Medical Physics, 2021, 48, 2543-2552.	2.9	4
24	Dose-based optimisation for multi-leaf collimator tracking during radiation therapy. Physics in Medicine and Biology, 2021, 66, 065027.	3.0	5
25	Pre-treatment and real-time image guidance for a fixed-beam radiotherapy system. Physics in Medicine and Biology, 2021, 66, 064003.	3.0	1
26	Quantification of the geometric uncertainty when using implanted markers as a surrogate for lung tumor motion. Medical Physics, 2021, 48, 2724-2732.	2.9	5
27	Study protocol of the LARK (TROG 17.03) clinical trial: a phase II trial investigating the dosimetric impact of Liver Ablative Radiotherapy using Kilovoltage intrafraction monitoring. BMC Cancer, 2021, 21, 494.	2.6	5
28	The adaptation and investigation of cone-beam CT reconstruction algorithms for horizontal rotation fixed-gantry scans of rabbits. Physics in Medicine and Biology, 2021, 66, 105012.	3.0	2
29	A real-time IGRT method using a Kalman filter framework to extract 3D positions from 2D projections. Physics in Medicine and Biology, 2021, 66, 214001.	3.0	1
30	First experimental evaluation of multi-target multileaf collimator tracking during volumetric modulated arc therapy for locally advanced prostate cancer. Radiotherapy and Oncology, 2021, 160, 212-220.	0.6	3
31	Proof-of-concept for x-ray based real-time image guidance during cardiac radioablation. Physics in Medicine and Biology, 2021, 66, 175010.	3.0	1
32	The first-in-human implementation of adaptive 4D cone beam CT for lung cancer radiotherapy: 4DCBCT in less time with less dose. Radiotherapy and Oncology, 2021, 161, 29-34.	0.6	5
33	MRI-guided cardiac-induced target motion tracking for atrial fibrillation cardiac radioablation. Radiotherapy and Oncology, 2021, 164, 138-145.	0.6	5
34	Real-time dose-guidance in radiotherapy: Proof of principle. Radiotherapy and Oncology, 2021, 164, 175-182.	0.6	8
35	Measurements of human tolerance to horizontal rotation within an MRI scanner: Towards gantry-free radiation therapy. Journal of Medical Imaging and Radiation Oncology, 2021, 65, 112-119.	1.9	6
36	Simulated multileaf collimator tracking for stereotactic liver radiotherapy guided by kilovoltage intrafraction monitoring: Dosimetric gain and target overdose trends. Radiotherapy and Oncology, 2020, 144, 93-100.	0.6	8

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37	The first prospective implementation of markerless lung target tracking in an experimental quality assurance procedure on a standard linear accelerator. <i>Physics in Medicine and Biology</i> , 2020, 65, 025008.	3.0	9
38	First experimental investigation of simultaneously tracking two independently moving targets on an MRI-Linac using real-time MRI and MLC tracking. <i>Medical Physics</i> , 2020, 47, 6440-6449.	2.9	24
39	Towards MR-guided electron therapy: Measurement and simulation of clinical electron beams in magnetic fields. <i>Physica Medica</i> , 2020, 78, 83-92.	0.7	1
40	Toward improved 3D carotid artery imaging with Adaptive Cardiac cOne BEAM computed Tomography (ACROBEAT). <i>Medical Physics</i> , 2020, 47, 5749-5760.	2.9	4
41	Is multileaf collimator tracking or gating a better intrafraction motion adaptation strategy? An analysis of the TROG 15.01 stereotactic prostate ablative radiotherapy with KIM (SPARK) trial. <i>Radiotherapy and Oncology</i> , 2020, 151, 234-241.	0.6	10
42	Experimental evaluation of the dosimetric impact of intrafraction prostate rotation using film measurement with a 6DoF robotic arm. <i>Medical Physics</i> , 2020, 47, 6068-6076.	2.9	2
43	Medical physics challenges in clinical MR-guided radiotherapy. <i>Radiation Oncology</i> , 2020, 15, 93.	2.6	106
44	Dosimetric Optimization and Commissioning of a High Field Inline MRI-Linac. <i>Frontiers in Oncology</i> , 2020, 10, 136.	2.9	13
45	Real-Time Image Guided Ablative Prostate Cancer Radiation Therapy: Results From the TROG 15.01 SPARK Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 530-538.	0.8	35
46	Reducing 4D CT imaging artifacts at the source: first experimental results from the respiratory adaptive computed tomography (REACT) system. <i>Physics in Medicine and Biology</i> , 2020, 65, 075012.	3.0	4
47	Geometric uncertainty analysis of MLC tracking for lung SABR. <i>Physics in Medicine and Biology</i> , 2020, 65, 235040.	3.0	6
48	Technical Note: Experimental characterization of the dose deposition in parallel MRI-Linacs at various magnetic field strengths. <i>Medical Physics</i> , 2019, 46, 5152-5158.	2.9	7
49	Real-time direct diaphragm tracking using kV imaging on a standard linear accelerator. <i>Medical Physics</i> , 2019, 46, 4481-4489.	2.9	15
50	Time-resolved volumetric MRI in MRI-guided radiotherapy: an <i>in silico</i> comparative analysis. <i>Physics in Medicine and Biology</i> , 2019, 64, 185013.	3.0	24
51	Motion Management in Stereotactic Body Radiation Therapy. , 2019, , 195-215.		1
52	FLASH radiotherapy: Newsflash or flash in the pan?. <i>Medical Physics</i> , 2019, 46, 4287-4290.	2.9	32
53	SPARE: Sparse-view reconstruction challenge for 4D cone-beam CT from a 1-min scan. <i>Medical Physics</i> , 2019, 46, 3799-3811.	2.9	50
54	The accuracy and precision of the KIM motion monitoring system used in the multi-institutional TROG 15.01 Stereotactic Prostate Ablative Radiotherapy with KIM (SPARK) trial. <i>Medical Physics</i> , 2019, 46, 4725-4737.	2.9	15

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55	In the future, emission-guided radiation therapy will play a critical role in clinical radiation oncology. <i>Medical Physics</i> , 2019, 46, 1519-1522.	2.9	3
56	Real-time intrafraction motion monitoring in external beam radiotherapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 15TR01.	3.0	141
57	Dual cardiac and respiratory gated thoracic imaging via adaptive gantry velocity and projection rate modulation on a linear accelerator: A Proof-of-Concept Simulation Study. <i>Medical Physics</i> , 2019, 46, 4116-4126.	2.9	9
58	MRI Linac Systems. , 2019, , 155-168.		6
59	Imaging of regional ventilation: Is CT ventilation imaging the answer? A systematic review of the validation data. <i>Radiotherapy and Oncology</i> , 2019, 137, 175-185.	0.6	22
60	Technical Note: The first live treatment on a 1.0 Tesla inline MRI linac. <i>Medical Physics</i> , 2019, 46, 3254-3258.	2.9	14
61	Dosimetric impact of intrafraction rotations in stereotactic prostate radiotherapy: A subset analysis of the TROG 15.01 SPARK trial. <i>Radiotherapy and Oncology</i> , 2019, 136, 143-147.	0.6	24
62	See, Think, and Act: Real-Time Adaptive Radiotherapy. <i>Seminars in Radiation Oncology</i> , 2019, 29, 228-235.	2.3	38
63	A six-degree-of-freedom robotic motion system for quality assurance of real-time image-guided radiotherapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 105021.	3.0	10
64	Both four-dimensional computed tomography and four-dimensional cone beam computed tomography under-predict lung target motion during radiotherapy. <i>Radiotherapy and Oncology</i> , 2019, 135, 65-73.	0.6	49
65	A deep learning framework for automatic detection of arbitrarily shaped fiducial markers in intrafraction fluoroscopic images. <i>Medical Physics</i> , 2019, 46, 2286-2297.	2.9	21
66	A retrospective 4D MRI based on 2D diaphragm profiles for lung cancer patients. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2019, 63, 360-369.	1.9	10
67	Technical Note: In silico and experimental evaluation of two leaf-fitting algorithms for MLC tracking based on exposure error and plan complexity. <i>Medical Physics</i> , 2019, 46, 1814-1820.	2.9	2
68	Towards patient connected imaging with ACROBEAT: Adaptive CaRdiac cOne BEAm computed Tomography. <i>Physics in Medicine and Biology</i> , 2019, 64, 065006.	3.0	3
69	Real-time respiratory triggered four dimensional cone-beam CT halves imaging dose compared to conventional 4D CBCT. <i>Physics in Medicine and Biology</i> , 2019, 64, 07NT01.	3.0	4
70	TROG 18.01 phase III randomised clinical trial of the Novel Integration of New prostate radiation schedules with adjuvant Androgen deprivation: NINJA study protocol. <i>BMJ Open</i> , 2019, 9, e030731.	2.1	20
71	The VAMPIRE challenge: A multi-institutional validation study of CT ventilation imaging. <i>Medical Physics</i> , 2019, 46, 1198-1217.	2.9	64
72	In Reply to Dahele and Verbakel. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 283-284.	0.8	1

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73	Development and commissioning of a full-size prototype fixed-beam radiotherapy system with horizontal patient rotation. <i>Medical Physics</i> , 2019, 46, 1331-1340.	2.9	7
74	A ROI-based global motion model established on 4DCT and 2D cine-MRI data for MRI-guidance in radiation therapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 045002.	3.0	28
75	A Feasibility Study of Single-inhalation, Single-energy Xenon-enhanced CT for High-resolution Imaging of Regional Lung Ventilation in Humans. <i>Academic Radiology</i> , 2019, 26, 38-49.	2.4	3
76	Respiratory Deformation Estimation in X-Ray-Guided IMRT Using a Bilinear Model. <i>Informatik Aktuell</i> , 2019, , 315-320.	0.0	0
77	Decoupling Respiratory and Angular Variation in Rotational X-ray Scans Using a Prior Bilinear Model. <i>Lecture Notes in Computer Science</i> , 2019, , 583-594.	2.0	1
78	Feasibility study on 3D image reconstruction from 2D orthogonal cine-MRI for MRI-guided radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 389-400.	1.9	44
79	A CBCT study of the gravity-induced movement in rotating rabbits. <i>Physics in Medicine and Biology</i> , 2018, 63, 105012.	3.0	7
80	Review of Real-Time 3-Dimensional Image Guided Radiation Therapy on Standard-Equipped Cancer Radiation Therapy Systems: Are We at the Tipping Point for the Era of Real-Time Radiation Therapy?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 922-931.	0.8	48
81	Potential improvements of lung and prostate MLC tracking investigated by treatment simulations. <i>Medical Physics</i> , 2018, 45, 2218-2229.	2.9	10
82	Passive magnetic shielding in MRI-Linac systems. <i>Physics in Medicine and Biology</i> , 2018, 63, 075008.	3.0	14
83	The accuracy and precision of Kilovoltage Intrafraction Monitoring (KIM) six degree-of-freedom prostate motion measurements during patient treatments. <i>Radiotherapy and Oncology</i> , 2018, 126, 236-243.	0.6	17
84	Electromagnetic-Guided MLC Tracking Radiation Therapy for Prostate Cancer Patients: Prospective Clinical Trial Results. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 387-395.	0.8	22
85	A comparison of gantry-mounted x-ray-based real-time target tracking methods. <i>Medical Physics</i> , 2018, 45, 1222-1232.	2.9	10
86	Audiovisual biofeedback improves the correlation between internal/external surrogate motion and lung tumor motion. <i>Medical Physics</i> , 2018, 45, 1009-1017.	2.9	22
87	Impact of audiovisual biofeedback on interfraction respiratory motion reproducibility in liver cancer stereotactic body radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 133-139.	1.9	0
88	The first clinical implementation of real-time image-guided adaptive radiotherapy using a standard linear accelerator. <i>Radiotherapy and Oncology</i> , 2018, 127, 6-11.	0.6	58
89	CT ventilation imaging derived from breath hold CT exhibits good regional accuracy with Galligas PET. <i>Radiotherapy and Oncology</i> , 2018, 127, 267-273.	0.6	18
90	Moderately hypofractionated prostate external-beam radiotherapy: an emerging standard. <i>British Journal of Radiology</i> , 2018, 91, 20170807.	2.2	13

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91	Investigation of the XCAT phantom as a validation tool in cardiac MRI tracking algorithms. <i>Physica Medica</i> , 2018, 45, 44-51.	0.7	16
92	4-Dimensional Cone Beam Computed Tomographyâ€“Measured Target Motion Underrepresents Actual Motion. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 932-940.	0.8	8
93	Technical Requirements for Lung Cancer Radiotherapy. , 2018, , 318-329.e2.		2
94	An interdimensional correlation framework for real-time estimation of six degree of freedom target motion using a single x-ray imager during radiotherapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 015010.	3.0	4
95	Patient reported outcomes of slow, single arc rotation: Do we need rotating gantries?. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 553-561.	1.9	13
96	A phantom study to create synthetic CT from orthogonal twodimensional cine MRI and evaluate the effect of irregular breathing. , 2018, 2018, 4162-4165.		2
97	Investigating multi-leaf collimator tracking in stereotactic arrhythmic radioablation (STAR) treatments for atrial fibrillation. <i>Physics in Medicine and Biology</i> , 2018, 63, 195008.	3.0	16
98	Cone-beam CT reconstruction with gravity-induced motion. <i>Physics in Medicine and Biology</i> , 2018, 63, 205007.	3.0	5
99	An augmented correlation framework for the estimation of tumour translational and rotational motion during external beam radiotherapy treatments using intermittent monoscopic x-ray imaging and an external respiratory signal. <i>Physics in Medicine and Biology</i> , 2018, 63, 205003.	3.0	5
100	Imageâ€“based retrospective 4D <sc>MRI</sc> in external beam radiotherapy: A comparative study with a digital phantom. <i>Medical Physics</i> , 2018, 45, 3161-3172.	2.9	21
101	Changes in Regional Ventilation During Treatment and Dosimetric Advantages of CT Ventilation Image Guided Radiation Therapy for Locally Advanced Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1366-1373.	0.8	19
102	An <i>in silico</i> performance characterization of respiratory motion guided 4DCT for high-quality low-dose lung cancer imaging. <i>Physics in Medicine and Biology</i> , 2018, 63, 155012.	3.0	11
103	Influence of respiratory motion management technique on radiation pneumonitis risk with robotic stereotactic body radiation therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 48-57.	1.8	8
104	Realâ€“time high spatial resolution dose verification in stereotactic motion adaptive arc radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 173-184.	1.8	5
105	Quantifying the reproducibility of lung ventilation images between 4â€“Dimensional Cone Beam <sc>CT</sc> and 4â€“Dimensional <sc>CT</sc>. <i>Medical Physics</i> , 2017, 44, 1771-1781.	2.9	9
106	Quantification of intrafraction prostate motion and its dosimetric effect on VMAT. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 317-324.	1.4	6
107	Evaluating the accuracy of 4Dâ€“<sc>CT</sc> ventilation imaging: First comparison with Technegas <sc>SPECT</sc> ventilation. <i>Medical Physics</i> , 2017, 44, 4045-4055.	2.9	25
108	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.	3.0	12

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109	Development and testing of a database of NIH research funding of AAPM members: A report from the AAPM Working Group for the Development of a Research Database (WGDRD). <i>Medical Physics</i> , 2017, 44, 1590-1601.	2.9	14
110	Stereotactic prostate adaptive radiotherapy utilising kilovoltage intrafraction monitoring: the TROG 15.01 SPARK trial. <i>BMC Cancer</i> , 2017, 17, 180.	2.6	40
111	Innovations in Radiotherapy Technology. <i>Clinical Oncology</i> , 2017, 29, 120-128.	1.4	22
112	The integration of MRI in radiation therapy: collaboration of radiographers and radiation therapists. <i>Journal of Medical Radiation Sciences</i> , 2017, 64, 61-68.	1.6	51
113	IGRT and motion management during lung SBRT delivery. <i>Physica Medica</i> , 2017, 44, 113-122.	0.7	61
114	Commissioning and quality assurance for VMAT delivery systems: An efficient time-resolved system using real-time EPID imaging. <i>Medical Physics</i> , 2017, 44, 3909-3922.	2.9	10
115	Future of medical physics: Real-time MRI-guided proton therapy. <i>Medical Physics</i> , 2017, 44, e77-e90.	2.9	104
116	The first clinical implementation of a real-time six degree of freedom target tracking system during radiation therapy based on Kilovoltage Intrafraction Monitoring (KIM). <i>Radiotherapy and Oncology</i> , 2017, 123, 37-42.	0.6	39
117	Audiovisual biofeedback guided breath-hold improves lung tumor position reproducibility and volume consistency. <i>Advances in Radiation Oncology</i> , 2017, 2, 354-362.	1.2	15
118	Technical Note: The design and function of a horizontal patient rotation system for the purposes of fixed-beam cancer radiotherapy. <i>Medical Physics</i> , 2017, 44, 2490-2502.	2.9	12
119	A Bayesian approach for three-dimensional markerless tumor tracking using kV imaging during lung radiotherapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 3065-3080.	3.0	39
120	A longitudinal four-dimensional computed tomography and cone beam computed tomography dataset for image-guided radiation therapy research in lung cancer. <i>Medical Physics</i> , 2017, 44, 762-771.	2.9	69
121	An MRI-compatible patient rotation system " design, construction, and first organ deformation results. <i>Medical Physics</i> , 2017, 44, 581-588.	2.9	28
122	Experimental verification of dose enhancement effects in a lung phantom from inline magnetic fields. <i>Radiotherapy and Oncology</i> , 2017, 125, 433-438.	0.6	14
123	Real-time intrafraction prostate motion during linac based stereotactic radiotherapy with rectal displacement. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 130-136.	1.8	20
124	Technical note: TROG 15.01 SPARK trial multi-institutional imaging dose measurement. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 358-363.	1.8	10
125	Performance assessment of a programmable five degrees-of-freedom motion platform for quality assurance of motion management techniques in radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 643-649.	1.4	8
126	Quantifying the accuracy and precision of a novel real-time 6 degree-of-freedom kilovoltage intrafraction monitoring (KIM) target tracking system. <i>Physics in Medicine and Biology</i> , 2017, 62, 5744-5759.	3.0	11

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127	MLC tracking for lung SABR reduces planning target volumes and dose to organs at risk. Radiotherapy and Oncology, 2017, 124, 18-24.	0.6	32
128	Innovative detectors for quality assurance dosimetry in SBRT of stationary and movable targets. Journal of Physics: Conference Series, 2017, 777, 012014.	0.4	0
129	New pathways for end-to-end validation of CT ventilation imaging (CTVI) using deformable image registration. , 2016, , .		9
130	The impact of breathing guidance and prospective gating during thoracic 4DCT imaging: an XCAT study utilizing lung cancer patient motion. Physics in Medicine and Biology, 2016, 61, 6485-6501.	3.0	17
131	A novel electron accelerator for MRI-Linac radiotherapy. Medical Physics, 2016, 43, 1285-1294.	2.9	15
132	Reconstruction of implanted marker trajectories from cone-beam CT projection images using interdimensional correlation modeling. Medical Physics, 2016, 43, 4643-4654.	2.9	11
133	An EPID-based system for gantry-resolved MLC quality assurance for VMAT. Journal of Applied Clinical Medical Physics, 2016, 17, 348-365.	1.8	13
134	Online 4D ultrasound guidance for real-time motion compensation by MLC tracking. Medical Physics, 2016, 43, 5695-5704.	2.9	33
135	Technical Note: Experimental results from a prototype high-field inline MRI-Linac. Medical Physics, 2016, 43, 5188-5194.	2.9	45
136	Quantifying the accuracy of the tumor motion and area as a function of acceleration factor for the simulation of the dynamic keyhole magnetic resonance imaging method. Medical Physics, 2016, 43, 2639-2648.	2.9	6
137	Performance of a clinical gridded electron gun in magnetic fields: Implications for MRI-Linac therapy. Medical Physics, 2016, 43, 5903-5914.	2.9	10
138	Towards real-time MRI-guided 3D localization of deforming targets for non-invasive cardiac radiosurgery. Physics in Medicine and Biology, 2016, 61, 7848-7863.	3.0	23
139	Functional imaging equivalence and proof of concept for image-guided adaptive radiotherapy with fixed gantry and rotating couch. Advances in Radiation Oncology, 2016, 1, 365-372.	1.2	10
140	Real-Time 3D Image Guidance Using a Standard LINAC: Measured Motion, Accuracy, and Precision of the First Prospective Clinical Trial of Kilovoltage Intrafraction Monitoring-Guided Gating for Prostate Cancer Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 94, 1015-1021.	0.8	48
141	A dosimetric comparison of real-time adaptive and non-adaptive radiotherapy: A multi-institutional study encompassing robotic, gimbaled, multileaf collimator and couch tracking. Radiotherapy and Oncology, 2016, 119, 159-165.	0.6	83
142	Motion prediction in MRI-guided radiotherapy based on interleaved orthogonal cine-MRI. Physics in Medicine and Biology, 2016, 61, 872-887.	3.0	67
143	CT ventilation functional image-based IMRT treatment plans are comparable to SPECT ventilation functional image-based plans. Radiotherapy and Oncology, 2016, 118, 521-527.	0.6	36
144	The impact of audiovisual biofeedback on 4D functional and anatomic imaging: Results of a lung cancer pilot study. Radiotherapy and Oncology, 2016, 120, 267-272.	0.6	10

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145	The first patient treatment of electromagnetic-guided real time adaptive radiotherapy using MLC tracking for lung SABR. <i>Radiotherapy and Oncology</i> , 2016, 121, 19-25.	0.6	84
146	The first implementation of respiratory triggered 4DCBCT on a linear accelerator. <i>Physics in Medicine and Biology</i> , 2016, 61, 3488-3499.	3.0	17
147	Audiovisual Biofeedback Improves Cine-Magnetic Resonance Imaging Measured Lung Tumor Motion Consistency. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 628-636.	0.8	26
148	The first patient treatment of computed tomography ventilation functional image-guided radiotherapy for lung cancer. <i>Radiotherapy and Oncology</i> , 2016, 118, 227-231.	0.6	85
149	Measurement of preoperative lobar lung function with computed tomography ventilation imaging: progress towards rapid stratification of lung cancer lobectomy patients with abnormal lung function. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 1075-1082.	1.4	21
150	TU-H-202-00: CT Ventilation Imaging: The New Clinical Reality of Functional Avoidance and Response Assessment in Lung Cancer Radiation Therapy. <i>Medical Physics</i> , 2016, 43, 3770-3770.	2.9	0
151	The first clinical treatment with kilovoltage intrafraction monitoring (KIM): A real-time image guidance method. <i>Medical Physics</i> , 2015, 42, 354-358.	2.9	71
152	Quantifying the impact of respiratory-gated 4D CT acquisition on thoracic image quality: A digital phantom study. <i>Medical Physics</i> , 2015, 42, 324-334.	2.9	19
153	First clinical implementation of audiovisual biofeedback in liver cancer stereotactic body radiation therapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2015, 59, 654-656.	1.9	4
154	Measuring interfraction and intrafraction lung function changes during radiation therapy using four-dimensional cone beam CT ventilation imaging. <i>Medical Physics</i> , 2015, 42, 1255-1267.	2.9	36
155	Estimating lung ventilation directly from 4D CT Hounsfield unit values. <i>Medical Physics</i> , 2015, 43, 33-43.	2.9	46
156	Technical Note: A novel leaf sequencing optimization algorithm which considers previous underdose and overdose events for MLC tracking radiotherapy. <i>Medical Physics</i> , 2015, 43, 132-136.	2.9	5
157	Dose enhancement in radiotherapy of small lung tumors using inline magnetic fields: A Monte Carlo based planning study. <i>Medical Physics</i> , 2015, 43, 368-377.	2.9	32
158	Prostate motion during radiotherapy of prostate cancer patients with and without application of a hydrogel spacer: a comparative study. <i>Radiation Oncology</i> , 2015, 10, 215.	2.6	32
159	Quantification of lung tumor rotation with automated landmark extraction using orthogonal cine MRI images. <i>Physics in Medicine and Biology</i> , 2015, 60, 7165-7178.	3.0	21
160	Markerless tumor tracking using short kilovoltage imaging arcs for lung image-guided radiotherapy. <i>Physics in Medicine and Biology</i> , 2015, 60, 9437-9454.	3.0	27
161	MagicPlate-512: A 2D silicon detector array for quality assurance of stereotactic motion adaptive radiotherapy. <i>Medical Physics</i> , 2015, 42, 2992-3004.	2.9	22
162	Six Degrees-of-Freedom Prostate and Lung Tumor Motion Measurements Using Kilovoltage Intrafraction Monitoring. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 368-375.	0.8	60

#	ARTICLE	IF	CITATIONS
163	Improving thoracic four-dimensional cone-beam CT reconstruction with anatomical-adaptive image regularization (AAIR). <i>Physics in Medicine and Biology</i> , 2015, 60, 841-868.	3.0	9
164	Determining appropriate imaging parameters for kilovoltage intrafraction monitoring: an experimental phantom study. <i>Physics in Medicine and Biology</i> , 2015, 60, 4835-4847.	3.0	12
165	Multileaf Collimator Tracking Improves Dose Delivery for Prostate Cancer Radiation Therapy: Results of the First Clinical Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 1141-1147.	0.8	61
166	Proton beam deflection in MRI fields: Implications for MRI-guided proton therapy. <i>Medical Physics</i> , 2015, 42, 2113-2124.	2.9	69
167	Audiovisual biofeedback breathing guidance for lung cancer patients receiving radiotherapy: a multi-institutional phase II randomised clinical trial. <i>BMC Cancer</i> , 2015, 15, 526.	2.6	13
168	Breathing guidance in radiation oncology and radiology: A systematic review of patient and healthy volunteer studies. <i>Medical Physics</i> , 2015, 42, 5490-5509.	2.9	30
169	Quantifying the image quality and dose reduction of respiratory triggered 4D cone-beam computed tomography with patient-measured breathing. <i>Physics in Medicine and Biology</i> , 2015, 60, 9493-9513.	3.0	16
170	The Nano-X Linear Accelerator. <i>Technology in Cancer Research and Treatment</i> , 2015, 14, 565-572.	1.9	23
171	Quasi-breath-hold (QBH) Biofeedback in Gated 3D Thoracic MRI: Feasibility Study. <i>Progress in Medical Physics</i> , 2014, 25, 72.	0.4	1
172	Investigating the Feasibility of Rapid MRI for Image-Guided Motion Management in Lung Cancer Radiotherapy. <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	41
173	Fast motion-including dose error reconstruction for VMAT with and without MLC tracking. <i>Physics in Medicine and Biology</i> , 2014, 59, 7279-7296.	3.0	22
174	IMRT Treatment Planning on 4D Geometries for the Era of Dynamic MLC Tracking. <i>Technology in Cancer Research and Treatment</i> , 2014, 13, 505-515.	1.9	7
175	Motion management during IMAT treatment of mobile lung tumors—A comparison of MLC tracking and gated delivery. <i>Medical Physics</i> , 2014, 41, 101707.	2.9	18
176	DMLC tracking and gating can improve dose coverage for prostate VMAT. <i>Medical Physics</i> , 2014, 41, 091705.	2.9	43
177	Dynamic keyhole: A novel method to improve MR images in the presence of respiratory motion for real-time MRI. <i>Medical Physics</i> , 2014, 41, 072304.	2.9	9
178	Toward the development of intrafraction tumor deformation tracking using a dynamic multi-leaf collimator. <i>Medical Physics</i> , 2014, 41, 061703.	2.9	56
179	The potential of positron emission tomography for intratreatment dynamic lung tumor tracking: A phantom study. <i>Medical Physics</i> , 2014, 41, 021718.	2.9	18
180	Quality assurance for the clinical implementation of kilovoltage intrafraction monitoring for prostate cancer VMAT. <i>Medical Physics</i> , 2014, 41, 111712.	2.9	26

#	ARTICLE	IF	CITATIONS
181	Magnetization curves of sintered heavy tungsten alloys for applications in MRI-guided radiotherapy. <i>Medical Physics</i> , 2014, 41, 061707.	2.9	0
182	The first clinical implementation of electromagnetic transponder-guided MLC tracking. <i>Medical Physics</i> , 2014, 41, 020702.	2.9	137
183	Image quality in thoracic 4D cone-beam CT: A sensitivity analysis of respiratory signal, binning method, reconstruction algorithm, and projection angular spacing. <i>Medical Physics</i> , 2014, 41, 041912.	2.9	34
184	Motion management within two respiratory-gating windows: feasibility study of dual quasi-breath-hold technique in gated medical procedures. <i>Physics in Medicine and Biology</i> , 2014, 59, 6583-6594.	3.0	10
185	Radiotherapy beyond cancer: Target localization in real-time MRI and treatment planning for cardiac radiosurgery. <i>Medical Physics</i> , 2014, 41, 120702.	2.9	39
186	Optimizing 4DCBCT projection allocation to respiratory bins. <i>Physics in Medicine and Biology</i> , 2014, 59, 5631-5649.	3.0	18
187	The internal-external respiratory motion correlation is unaffected by audiovisual biofeedback. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2014, 37, 97-102.	1.4	7
188	A novel electron gun for inline MRI-linac configurations. <i>Medical Physics</i> , 2014, 41, 022301.	2.9	5
189	Respiratory motion guided four dimensional cone beam computed tomography: encompassing irregular breathing. <i>Physics in Medicine and Biology</i> , 2014, 59, 579-595.	3.0	19
190	Electron contamination modeling and reduction in a 1 T open bore inline MRI-linac system. <i>Medical Physics</i> , 2014, 41, 051708.	2.9	41
191	Pulmonary Ventilation Imaging Based on 4-Dimensional Computed Tomography: Comparison With Pulmonary Function Tests and ASPECT Ventilation Images. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 414-422.	0.8	82
192	The Australian Magnetic Resonance Imaging-Linac Program. <i>Seminars in Radiation Oncology</i> , 2014, 24, 203-206.	2.3	311
193	Registration of clinical volumes to beams-eye-view images for real-time tracking. <i>Medical Physics</i> , 2014, 41, 121703.	2.9	22
194	Audiovisual biofeedback improves image quality and reduces scan time for respiratory-gated 3D MRI. <i>Journal of Physics: Conference Series</i> , 2014, 489, 012033.	0.4	7
195	Three-dimensional MRI-linac intra-fraction guidance using multiple orthogonal cine-MRI planes. <i>Physics in Medicine and Biology</i> , 2013, 58, 4943-4950.	3.0	83
196	Impact of the MLC on the MRI field distortion of a prototype MRI-linac. <i>Medical Physics</i> , 2013, 40, 121705.	2.9	23
197	Evaluation of 4-dimensional Computed Tomography to 4-dimensional Cone-Beam Computed Tomography Deformable Image Registration for Lung Cancer Adaptive Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 372-379.	0.8	52
198	Respiratory triggered 4D cone-beam computed tomography: A novel method to reduce imaging dose. <i>Medical Physics</i> , 2013, 40, 041901.	2.9	26

#	ARTICLE	IF	CITATIONS
199	The impact of leaf width and plan complexity on DMLC tracking of prostate intensity modulated arc therapy. <i>Medical Physics</i> , 2013, 40, 111717.	2.9	9
200	Time-resolved dose reconstruction by motion encoding of volumetric modulated arc therapy fields delivered with and without dynamic multi-leaf collimator tracking. <i>Acta Oncologica</i> , 2013, 52, 1497-1503.	1.8	13
201	Markerless EPID image guided dynamic multi-leaf collimator tracking for lung tumors. <i>Physics in Medicine and Biology</i> , 2013, 58, 4195-4204.	3.0	46
202	Real-time estimation of prostate tumor rotation and translation with a kV imaging system based on an iterative closest point algorithm. <i>Physics in Medicine and Biology</i> , 2013, 58, 8517-8533.	3.0	42
203	Estimation of effective imaging dose for kilovoltage intratreatment monitoring of the prostate position during cancer radiotherapy. <i>Physics in Medicine and Biology</i> , 2013, 58, 5983-5996.	3.0	14
204	Dosimetric benefit of DMLC tracking for conventional and sub-volume boosted prostate intensity-modulated arc radiotherapy. <i>Physics in Medicine and Biology</i> , 2013, 58, 2349-2361.	3.0	11
205	Optimizing 4D cone beam computed tomography acquisition by varying the gantry velocity and projection time interval. <i>Physics in Medicine and Biology</i> , 2013, 58, 1705-1723.	3.0	30
206	Real-time soft tissue motion estimation for lung tumors during radiotherapy delivery. <i>Medical Physics</i> , 2013, 40, 091713.	2.9	30
207	Validating and improving CT ventilation imaging by correlating with ventilation 4D-PET/CT using ⁶⁸ Ga-labeled nanoparticles. <i>Medical Physics</i> , 2013, 41, 011910.	2.9	82
208	Increasing dependence on industry-funded research creates higher risk of biased reporting in medical physics. <i>Medical Physics</i> , 2013, 40, 100601.	2.9	0
209	4D CT lung ventilation images are affected by the 4D CT sorting method. <i>Medical Physics</i> , 2013, 40, 101907.	2.9	53
210	Time-resolved dose distributions to moving targets during volumetric modulated arc therapy with and without dynamic MLC tracking. <i>Medical Physics</i> , 2013, 40, 111723.	2.9	24
211	Audiovisual biofeedback improves motion prediction accuracy. <i>Medical Physics</i> , 2013, 40, 041705.	2.9	20
212	Introduction to 4D Motion Modeling and 4D Radiotherapy. <i>Biological and Medical Physics Series</i> , 2013, , 1-21.	0.0	2
213	SU-E-J-139: Real-Time Motion Management Will Increase the Patient Population Eligible for Lung SBRT. <i>Medical Physics</i> , 2013, 40, 183-183.	2.9	2
214	SU-E-J-142: Respiratory Guidance for Lung Cancer Patients: An Investigation of Audiovisual Biofeedback Training and Effectiveness. <i>Medical Physics</i> , 2013, 40, 183-183.	2.9	4
215	TU-A-WAB-08: Strong Evidence for Physiologic Correlation of 4D-CT Ventilation Imaging with Respiratory-Correlated Gallium 68 PET/CT in Humans. <i>Medical Physics</i> , 2013, 40, 424-424.	2.9	3
216	WEA-A-134-1: Registration of Clinical Volumes to Beams-Eye-View Images for Real-Time Tracking. <i>Medical Physics</i> , 2013, 40, 471-471.	2.9	2

#	ARTICLE	IF	CITATIONS
217	TH-A-WAB-03: Radiation Dose Changes Pulmonary Function Measured by 4D-CT Ventilation Imaging. Medical Physics, 2013, 40, 520-520.	2.9	2
218	SU-E-J-130: Impact of Audiovisual Biofeedback Respiratory Training On 4D-CT Image Quality. Medical Physics, 2013, 40, 180-180.	2.9	0
219	WE-A-134-06: Performance Characterization of Kilovoltage Intrafraction Monitoring; a Novel Real-Time Tumor Localization Modality. Medical Physics, 2013, 40, 470-470.	2.9	0
220	WE-G-134-07: Respiratory Motion Guided Four Dimensional Cone Beam Computed Tomography: Image Quality Analysis. Medical Physics, 2013, 40, 513-513.	2.9	0
221	SU-F-500-05: MRI-Linac Systems: Can a Standard MLC Be Incorporated Into Such a Device?. Medical Physics, 2013, 40, 383-383.	2.9	0
222	WE-C-116-05: Residual Respiratory Motion Management Within a Gating Window Using Quasi-Breath-Hold (QBH) Biofeedback. Medical Physics, 2013, 40, 484-484.	2.9	0
223	WE-C-WAB-04: Comparison of 4D-CT Ventilation Imaging with SPECT Ventilation Imaging for Thoracic Cancer Patients. Medical Physics, 2013, 40, 478-478.	2.9	0
224	SU-E-J-03: Impact of Gated and Conventional 4DCT Acquisition On Imaging Artifacts in a Digital Phantom. Medical Physics, 2013, 40, 149-149.	2.9	0
225	SU-E-J-118: Quantifying Intrafractional Prostate Rotation From Cone-Beam Computed Tomography with Radiopaque Markers. Medical Physics, 2013, 40, 178-178.	2.9	0
226	SU-E-T-329: An Oracle Solution for Performance Benchmarking of Dynamic Multi-Leaf Collimator Algorithms. Medical Physics, 2013, 40, 280-280.	2.9	0
227	WE-G-134-06: Image Quality in Thoracic 4D Cone-Beam CT: A Sensitivity Analysis of Respiratory Signal Source, Binning Method, and Reconstruction Algorithm. Medical Physics, 2013, 40, 513-513.	2.9	0
228	TH-A-WAB-09: The Potential of Positron Emission Tomography (PET) for Intra-Treatment Dynamic Tumor Tracking During Radiotherapy: A Phantom Study. Medical Physics, 2013, 40, 521-521.	2.9	0
229	TU-G-141-08: Impact of Audiovisual Biofeedback Respiratory Training On 4D-PET Image Quality. Medical Physics, 2013, 40, 457-458.	2.9	0
230	TU-G-141-09: Real Time Estimation of Prostate Tumor Rotation and Translation with a KV Imaging System Based On An Iterative Closest Point Algorithm. Medical Physics, 2013, 40, 458-458.	2.9	1
231	TU-E-141-04: Dose Reconstruction for DMLC Tracking and Gating in Adaptive Prostate Radiotherapy. Medical Physics, 2013, 40, 447-447.	2.9	0
232	Audiovisual biofeedback improves diaphragm motion reproducibility in MRI. Medical Physics, 2012, 39, 6921-6928.	2.9	43
233	A method of dose reconstruction for moving targets compatible with dynamic treatments. Medical Physics, 2012, 39, 6237-6246.	2.9	88
234	Electron contamination modeling and skin dose in 6 MV longitudinal field MRIgRT: Impact of the MRI and MRI fringe field. Medical Physics, 2012, 39, 874-890.	2.9	58

#	ARTICLE	IF	CITATIONS
235	Experimental investigation of a general real-time 3D target localization method using sequential kV imaging combined with respiratory monitoring. <i>Physics in Medicine and Biology</i> , 2012, 57, 7395-7407.	3.0	16
236	The impact of audio-visual biofeedback on 4D PET images: Results of a phantom study. <i>Medical Physics</i> , 2012, 39, 1046-1057.	2.9	18
237	Megavoltage Image-Based Dynamic Multileaf Collimator Tracking of a NiTi Stent in Porcine Lungs on a Linear Accelerator. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e321-e327.	0.8	20
238	Electromagnetic Detection and Real-Time DMLC Adaptation to Target Rotation During Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e545-e553.	0.8	43
239	Image-Based Dynamic Multileaf Collimator Tracking of Moving Targets During Intensity-Modulated Arc Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, e265-e271.	0.8	48
240	Kilovoltage Intrafraction Monitoring for Prostate Intensity Modulated Arc Therapy: First Clinical Results. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, e655-e661.	0.8	96
241	Reproducibility of Four-dimensional Computed Tomography-based Lung Ventilation Imaging. <i>Academic Radiology</i> , 2012, 19, 1554-1565.	2.4	56
242	The dosimetric impact of inversely optimized arc radiotherapy plan modulation for real-time dynamic MLC tracking delivery. <i>Medical Physics</i> , 2012, 39, 1588-1594.	2.9	18
243	Measurement of patient imaging dose for real-time kilovoltage x-ray intrafraction tumour position monitoring in prostate patients. <i>Physics in Medicine and Biology</i> , 2012, 57, 2969-2980.	3.0	20
244	SU-C-213CD-05: Respiratory Signal Triggered 4D Cone-Beam Computed Tomography on a Linear Accelerator. <i>Medical Physics</i> , 2012, 39, 3605-3605.	2.9	4
245	SU-D-BRB-01: 4D-CT Lung Ventilation Images Vary with 4D-CT Sorting Techniques. <i>Medical Physics</i> , 2012, 39, 3614-3614.	2.9	1
246	TUâ€Aâ€BRAâ€06: EPID Operation in a Biâ€Directional MRIâ€Linac System: A Monte Carlo Study. <i>Medical Physics</i> , 2012, 39, 3889-3889.	2.9	1
247	TUâ€Aâ€BRAâ€10: Realâ€Time Markerless Tumor Tracking with MV Imaging and a Dynamic Multiâ€Leaf Collimator (DMLC). <i>Medical Physics</i> , 2012, 39, 3890-3890.	2.9	1
248	WE-G-217A-03: Respiratory-Related External/Internal Motion Based MR Image Reconstruction Using Dynamic Keyhole for Real-Time Tumor Monitoring. <i>Medical Physics</i> , 2012, 39, 3975-3975.	2.9	0
249	TH-E-BRA-11: Real-Time Tumor Localization with Kilovoltage Intrafraction Monitoring: First Clinical Implementation for Prostate Intensity Modulated Arc Therapy. <i>Medical Physics</i> , 2012, 39, 4014-4014.	2.9	0
250	SU-E-T-20: Removal of Electron Contamination in Longitudinal Field MRI-Linac Systems: A Monte Carlo Study. <i>Medical Physics</i> , 2012, 39, 3706-3706.	2.9	0
251	WE-G-213CD-07: Enhancing Respiratory Motion Prediction Accuracy Using Audiovisual (AV) Biofeedback. <i>Medical Physics</i> , 2012, 39, 3972-3972.	2.9	0
252	MO-F-BRA-02: Evaluation of 4D CT to 4D Cone-Beam CT Deformable Image Registration for Lung Cancer Adaptive Radiation Therapy. <i>Medical Physics</i> , 2012, 39, 3875-3875.	2.9	0

#	ARTICLE	IF	CITATIONS
253	Geometric accuracy of dynamic MLC tracking with an implantable wired electromagnetic transponder. <i>Acta Oncologica</i> , 2011, 50, 944-951.	1.8	28
254	Dynamic multileaf collimator control for motion adaptive radiotherapy: An optimization approach. , 2011, , .		8
255	Tracking latency in image-based dynamic MLC tracking with direct image access. <i>Acta Oncologica</i> , 2011, 50, 952-959.	1.8	33
256	A study of the effect of in-plane and perpendicular magnetic fields on beam characteristics of electron guns in medical linear accelerators. <i>Medical Physics</i> , 2011, 38, 4174-4185.	2.9	26
257	Experimental investigation of a moving averaging algorithm for motion perpendicular to the leaf travel direction in dynamic MLC target tracking. <i>Medical Physics</i> , 2011, 38, 3924-3931.	2.9	13
258	A method for robust segmentation of arbitrarily shaped radiopaque structures in cone-beam CT projections. <i>Medical Physics</i> , 2011, 38, 2151-2156.	2.9	33
259	Impact of Four-Dimensional Computed Tomography Pulmonary Ventilation Imaging-Based Functional Avoidance for Lung Cancer Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 279-288.	0.8	131
260	Real-Time Target Position Estimation Using Stereoscopic Kilovoltage/Megavoltage Imaging and External Respiratory Monitoring for Dynamic Multileaf Collimator Tracking. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 269-278.	0.8	46
261	Electromagnetic-Guided Dynamic Multileaf Collimator Tracking Enables Motion Management for Intensity-Modulated Arc Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 312-320.	0.8	60
262	Hypofractionation Results in Reduced Tumor Cell Kill Compared to Conventional Fractionation for Tumors With Regions of Hypoxia. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 1188-1195.	0.8	152
263	Investigation of four-dimensional computed tomography-based pulmonary ventilation imaging in patients with emphysematous lung regions. <i>Physics in Medicine and Biology</i> , 2011, 56, 2279-2298.	3.0	70
264	Linac-Based Image Guided Intensity Modulated Radiation Therapy. <i>Medical Radiology</i> , 2011, , 275-312.	0.0	0
265	Four-dimensional computed tomography pulmonary ventilation images vary with deformable image registration algorithms and metrics. <i>Medical Physics</i> , 2011, 38, 1348-1358.	2.9	64
266	Modeling the TrueBeam linac using a CAD to Geant4 geometry implementation: Dose and IAEA-compliant phase space calculations. <i>Medical Physics</i> , 2011, 38, 4018-4024.	2.9	94
267	SU-E-J-156: A Feasibility Study for Real-Time Tumor Tracking Using Positron Emission Tomography (PET). <i>Medical Physics</i> , 2011, 38, 3479-3479.	2.9	2
268	WE-G-214-05: Robotic Linac Adaptation (RLA) with a Novel Electron Gun Design for the In-Line MRI-Linac Configuration. <i>Medical Physics</i> , 2011, 38, 3831-3831.	2.9	1
269	SU-E-J-159: Correlation of Respiration-Induced Motion of an External Surrogate and Implanted Internal Markers. <i>Medical Physics</i> , 2011, 38, 3479-3480.	2.9	0
270	TU-C-214-04: Prototype of a Real-Time Adaptive Therapy System Integrating Automatic Soft Tissue Localization with Dynamic Multileaf Collimator (DMLC) Adaptation. <i>Medical Physics</i> , 2011, 38, 3756-3757.	2.9	0

#	ARTICLE	IF	CITATIONS
271	SU-C-224-01: 3D Dosimetry with Gels and Optical Tomography of Dynamic MLC Tracking Based on an Electromagnetic Transponder System. Medical Physics, 2011, 38, 3365-3365.	2.9	0
272	SU-E-T-682: Skin Dose Changes in Transverse Field MRIGRT: The ERE or the LFP?. Medical Physics, 2011, 38, 3647-3647.	2.9	0
273	SU-E-T-304: Proposed Design and Shielding Requirements of a Mini Linear Accelerator Treatment System. Medical Physics, 2011, 38, 3557-3557.	2.9	0
274	SU-E-T-679: Electron Contamination Modeling in Longitudinal Field MRI-Linac Systems. Medical Physics, 2011, 38, 3646-3646.	2.9	0
275	SU-D-110-04: Visual Biofeedback Combined with MRI for Respiratory-Gated MR Imaging. Medical Physics, 2011, 38, 3387-3387.	2.9	0
276	WE-G-214-09: Validation of 4D-CT Pulmonary Ventilation Imaging: Characterization of the Reproducibility. Medical Physics, 2011, 38, 3832-3832.	2.9	0
277	SU-E-J-167: Estimation of Effective Dose from a Single KV Imager for Real-Time Intrafraction Tumor Position Monitoring. Medical Physics, 2011, 38, 3481-3482.	2.9	0
278	MO-F-BRC-01: 3D Target Trajectory Reconstruction Using CBCT Projection Images. Medical Physics, 2011, 38, 3723-3723.	2.9	0
279	TU-A-BRB-11: 4D Optimization for Respiratory Phase-Dependent IMRT Treatment Planning. Medical Physics, 2011, 38, 3741-3741.	2.9	0
280	Tumor-tracking radiotherapy of moving targets; verification using 3D polymer gel, 2D ion-chamber array and biplanar diode array. Journal of Physics: Conference Series, 2010, 250, 012051.	0.4	6
281	37, 5627-5633.	2.9	27
282	Investigation of the effects of treatment planning variables in small animal radiotherapy dose distributions. Medical Physics, 2010, 37, 590-599.	2.9	20
283	Commissioning and quality assurance for a respiratory training system based on audiovisual biofeedback. Journal of Applied Clinical Medical Physics, 2010, 11, 42-56.	1.8	16
284	Dynamic Multileaf Collimator Tracking of Respiratory Target Motion Based on a Single Kilovoltage Imager During Arc Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2010, 77, 600-607.	0.8	63
285	Implementation of a New Method for Dynamic Multileaf Collimator Tracking of Prostate Motion in Arc Radiotherapy Using a Single kV Imager. International Journal of Radiation Oncology Biology Physics, 2010, 76, 914-923.	0.8	59
286	Quantification of Artifact Reduction With Real-Time Cine Four-Dimensional Computed Tomography Acquisition Methods. International Journal of Radiation Oncology Biology Physics, 2010, 76, 1242-1250.	0.8	27
287	Development of a Micro-Computed Tomography-Based Image-Guided Conformal Radiotherapy System for Small Animals. International Journal of Radiation Oncology Biology Physics, 2010, 78, 297-305.	0.8	67
288	Stereotactic body radiation therapy: The report of AAPM Task Group 101. Medical Physics, 2010, 37, 4078-4101.	2.9	1,700

#	ARTICLE	IF	CITATIONS
289	Real-time tumor tracking using sequential kV imaging combined with respiratory monitoring: a general framework applicable to commonly used IGRT systems. <i>Physics in Medicine and Biology</i> , 2010, 55, 3299-3316.	3.0	52
290	Failure mode and effect analysis-based quality assurance for dynamic MLC tracking systems. <i>Medical Physics</i> , 2010, 37, 6466-6479.	2.9	64
291	4998-5005.	2.9	65
292	Online prediction of respiratory motion: multidimensional processing with low-dimensional feature learning. <i>Physics in Medicine and Biology</i> , 2010, 55, 3011-3025.	3.0	63
293	TU-E-204B-02: A Study of the Effect of Inline and Perpendicular Magnetic Fields on Beam Characteristics of Medical Linear Accelerator Electron Guns. <i>Medical Physics</i> , 2010, 37, 3376-3376.	2.9	3
294	Linking computer-aided design (CAD) to Geant4-based Monte Carlo simulations for precise implementation of complex treatment head geometries. <i>Physics in Medicine and Biology</i> , 2010, 55, N211-N220.	3.0	27
295	Dynamic MLC tracking of moving targets with a single kV imager for 3D conformal and IMRT treatments. <i>Acta Oncologica</i> , 2010, 49, 1092-1100.	1.8	51
296	Real-time dynamic MLC tracking for inversely optimized arc radiotherapy. <i>Radiotherapy and Oncology</i> , 2010, 94, 218-223.	0.6	62
297	SU-CC-19: Electromagnetic Detection and Real-Time DMLC Correction of Rotation during Radiotherapy. <i>Medical Physics</i> , 2010, 37, 3149-3149.	2.9	1
298	TU-E-204B-04: DMLC Implementation of a Prostate Intrafraction Motion Correction Strategy Based on Failure Detection Concept. <i>Medical Physics</i> , 2010, 37, 3402-3402.	2.9	1
299	WE-C-204B-07: Real-Time MRI for Soft-Tissue-Based IGRT of Moving and Deforming Lung Tumors. <i>Medical Physics</i> , 2010, 37, 3424-3424.	2.9	1
300	Image-Guided Adaptive Radiotherapy. , 2010, , 213-223.		2
301	TU-E-204B-01: First Demonstration of Image-Based Dynamic MLC Tracking of a Moving Target during Intensity Modulated Arc Therapy. <i>Medical Physics</i> , 2010, 37, 3401-3401.	2.9	0
302	TH-D-19B-03: Monte Carlo Simulations of Beam Characteristics for a Compact Plasma Proton Accelerator. <i>Medical Physics</i> , 2010, 37, 3467-3467.	2.9	0
303	TU-C-204B-03: Reducing Imaging Dose without Sacrificing Target Localization Accuracy: A Feasibility Study. <i>Medical Physics</i> , 2010, 37, 3384-3384.	2.9	0
304	SU-CC-407: Modeling a New Varian Linac Using a CAD to Geant4 Geometry Implementation: Dose and IAEA-Compliant Phase Space Calculations. <i>Medical Physics</i> , 2010, 37, 3280-3280.	2.9	0
305	SU-EE-33-03: Audiovisual Biofeedback Significantly Reduces Motion Blurring Artifacts in Four-Dimensional (4D) PET Images. <i>Medical Physics</i> , 2010, 37, 3097-3097.	2.9	0
306	WE-D-204B-02: Correlated 3D Respiratory Motion Prediction with Low-Dimensional Feature-Based Learning. <i>Medical Physics</i> , 2010, 37, 3429-3429.	2.9	0

#	ARTICLE	IF	CITATIONS
307	TUâ€ƒâ€ƒ204Bâ€ƒ05: Feasibility of Markerless 3D Tumor Trajectory Tracking in CBCT Projections Using Digital Subtraction Method. Medical Physics, 2010, 37, 3402-3402.	2.9	0
308	TUâ€ƒâ€ƒ204Bâ€ƒ07: Realâ€ƒTime 3D Target Position Estimation Using a Single KV Imager Combined with an External Respiratory Monitor during Arc and Static Beam Delivery. Medical Physics, 2010, 37, 3402-3403.	2.9	0
309	TUâ€ƒâ€ƒ204Bâ€ƒ09: Rapid MR Imaging for Realâ€ƒTime Target Tracking Using Temporal Sparsity. Medical Physics, 2010, 37, 3395-3395.	2.9	0
310	WEâ€ƒâ€ƒ204Bâ€ƒ03: 4D Treatment Delivery to Account for Motion, Rotation, and Deformation of Tumors and Normal Tissues. Medical Physics, 2010, 37, 3423-3423.	2.9	0
311	A bone composition model for Monte Carlo x-ray transport simulations. Medical Physics, 2009, 36, 1008-1018.	2.9	28
312	Four-dimensional IMRT treatment planning using a DMLC motion-tracking algorithm. Physics in Medicine and Biology, 2009, 54, 3821-3835.	3.0	37
313	Real-time profiling of respiratory motion: baseline drift, frequency variation and fundamental pattern change. Physics in Medicine and Biology, 2009, 54, 4777-4792.	3.0	58
314	Introduction and a Word of Thanks. Medical Physics, 2009, 36, 2354-2354.	2.9	0
315	Accuracy in the localization of thoracic and abdominal tumors using respiratory displacement, velocity, and phase. Medical Physics, 2009, 36, 386-393.	2.9	33
316	Real-time prostate trajectory estimation with a single imager in arc radiotherapy: a simulation study. Physics in Medicine and Biology, 2009, 54, 4019-4035.	3.0	49
317	DMLC motion tracking of moving targets for intensity modulated arc therapy treatment â€œ a feasibility study. Acta Oncol ³ gica, 2009, 48, 245-250.	1.8	48
318	Commissioning of a novel microCT/RT system for small animal conformal radiotherapy. Physics in Medicine and Biology, 2009, 54, 3727-3740.	3.0	41
319	Evolving technological changes and the impact on our profession. Australasian Physical and Engineering Sciences in Medicine, 2009, 32, x-xi.	1.4	1
320	Toward Submillimeter Accuracy in the Management of Intrafraction Motion: The Integration of Real-Time Internal Position Monitoring and Multileaf Collimator Target Tracking. International Journal of Radiation Oncology Biology Physics, 2009, 74, 575-582.	0.8	100
321	First Demonstration of Combined kV/MV Image-Guided Real-Time Dynamic Multileaf-Collimator Target Tracking. International Journal of Radiation Oncology Biology Physics, 2009, 74, 859-867.	0.8	114
322	Monte Carlo dose verification of prostate patients treated with simultaneous integrated boost intensity modulated radiation therapy. Radiation Oncology, 2009, 4, 18.	2.6	8
323	Integration of Real-Time Internal Electromagnetic Position Monitoring Coupled With Dynamic Multileaf Collimator Tracking: An Intensity-Modulated Radiation Therapy Feasibility Study. International Journal of Radiation Oncology Biology Physics, 2009, 74, 868-875.	0.8	39
324	Four-dimensional inverse treatment planning with inclusion of implanted fiducials in IMRT segmented fields. Medical Physics, 2009, 36, 2215-2221.	2.9	44

#	ARTICLE	IF	CITATIONS
325	Kilovoltage beam Monte Carlo dose calculations in submillimeter voxels for small animal radiotherapy. Medical Physics, 2009, 36, 4991-4999.	2.9	36
326	Considerations and limitations of fast Monte Carlo electron transport in radiation therapy based on precalculated data. Medical Physics, 2009, 36, 530-540.	2.9	9
327	SU-FF-T-648: Time Analysis of Image-Based Dynamic MLC Tracking. Medical Physics, 2009, 36, 2674-2674.	2.9	1
328	TH-D-213A-03: Physiological Validation of 4D-CT-Based Ventilation Imaging in Patients with Chronic Obstructive Pulmonary Disease (COPD). Medical Physics, 2009, 36, 2821-2821.	2.9	4
329	SU-FF-J-158: An Open Source Software Tool for Treatment Planning for Small Animal Conformal Radiotherapy. Medical Physics, 2009, 36, 2513-2513.	2.9	0
330	TU-C-303A-03: Real-Time Profiling of Respiratory Motion and Its Application to Continuous Horizon Prediction. Medical Physics, 2009, 36, 2724-2725.	2.9	1
331	TH-C-BRC-10: Evaluation of a Micro-CT Based 3D Conformal Animal Radiotherapy System. Medical Physics, 2009, 36, 2800-2800.	2.9	0
332	SU-FF-J-30: Experimental Investigation of Moving Average Algorithm for Tracking Organ Motion. Medical Physics, 2009, 36, 2482-2482.	2.9	0
333	SU-FF-T-400: Monte Carlo Simulations of Compact Plasma Accelerators for Proton Radiotherapy. Medical Physics, 2009, 36, 2614-2614.	2.9	0
334	TH-D-BRC-07: Impact of Respiratory Biofeedback On Adaptively Sampled 4D-CBCT Image Quality: Initial Experiences. Medical Physics, 2009, 36, 2813-2813.	2.9	0
335	TU-E-BRC-04: Strategies for Real-Time MR Imaging for Integrated MRI+Linac Systems. Medical Physics, 2009, 36, 2745-2745.	2.9	0
336	SU-DD-A3-04: Monte Carlo Simulation of a MicroCT-Based Small Animal Radiotherapy System. Medical Physics, 2009, 36, 2425-2425.	2.9	0
337	WE-C-303A-02: A Real-Time Target Positioning Method Using Combined KV/MV Imaging and External Respiratory Monitoring for DMLC Target Tracking. Medical Physics, 2009, 36, 2763-2763.	2.9	0
338	SU-FF-J-164: A Calibration Method for Positioning Small Animal Radiotherapy Subjects Using MicroCT. Medical Physics, 2009, 36, 2515-2515.	2.9	0
339	WE-A-BRD-01: Locating and Targeting Moving Tumors with Radiation Beams. Medical Physics, 2009, 36, 2753-2753.	2.9	1
340	SU-FF-T-155: Four-Dimensional Inverse Treatment Planning with Inclusion of Implanted Fiducials in IMRT Segmented Fields. Medical Physics, 2009, 36, 2555-2556.	2.9	0
341	SU-FF-J-155: The Influence of Material Assignment On Monte Carlo Dose Calculations for Kilovoltage Small Animal Radiotherapy. Medical Physics, 2009, 36, 2512-2512.	2.9	0
342	SU-FF-J-162: In Vivo Biological Evaluation of Micro-CT Based 3D Conformal Radiotherapy System. Medical Physics, 2009, 36, 2514-2514.	2.9	0

#	ARTICLE	IF	CITATIONS
343	SU-FF-T-671: Investigation of Effects of Treatment Planning Variables On Small Animal Therapy Dose Distributions. <i>Medical Physics</i> , 2009, 36, 2679-2679.	2.9	0
344	TH-C-BRC-09: Commissioning of a 3D MicroCT-Based Small Animal Radiotherapy System. <i>Medical Physics</i> , 2009, 36, 2799-2800.	2.9	0
345	WE-E-303A-01: Image-Guided Therapies: Advances in Imaging, Modeling, and New Applications. <i>Medical Physics</i> , 2009, 36, 2785-2785.	2.9	0
346	A Method to Estimate Mean Position, Motion Magnitude, Motion Correlation, and Trajectory of a Tumor From Cone-Beam CT Projections for Image-Guided Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 1587-1596.	0.8	83
347	Retrospective Analysis of Artifacts in Four-Dimensional CT Images of 50 Abdominal and Thoracic Radiotherapy Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 1250-1258.	0.8	220
348	Comparison of Intensity-Modulated Radiotherapy Planning Based on Manual and Automatically Generated Contours Using Deformable Image Registration in Four-Dimensional Computed Tomography of Lung Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 572-581.e2.	0.8	20
349	Investigating the Temporal Effects of Respiratory-Gated and Intensity-Modulated Radiotherapy Treatment Delivery on In Vitro Survival: An Experimental and Theoretical Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 1547-1552.	0.8	24
350	A Deliverable Four-Dimensional Intensity-Modulated Radiation Therapy-Planning Method for Dynamic Multileaf Collimator Tumor Tracking Delivery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 1526-1536.	0.8	29
351	A new formula for normal tissue complication probability (NTCP) as a function of equivalent uniform dose (EUD). <i>Physics in Medicine and Biology</i> , 2008, 53, 23-36.	3.0	113
352	Esophagus and spinal cord motion relative to GTV motion in four-dimensional CTs of lung cancer patients. <i>Radiotherapy and Oncology</i> , 2008, 87, 44-48.	0.6	6
353	Management of three-dimensional intrafraction motion through real-time DMLC tracking. <i>Medical Physics</i> , 2008, 35, 2050-2061.	2.9	153
354	The development and investigation of a prototype three-dimensional compensator for whole brain radiation therapy. <i>Physics in Medicine and Biology</i> , 2008, 53, 2267-2276.	3.0	5
355	A monoscopic method for real-time tumour tracking using combined occasional x-ray imaging and continuous respiratory monitoring. <i>Physics in Medicine and Biology</i> , 2008, 53, 2837-2855.	3.0	42
356	An analysis of thoracic and abdominal tumour motion for stereotactic body radiotherapy patients. <i>Physics in Medicine and Biology</i> , 2008, 53, 3623-3640.	3.0	161
357	Three-dimensional prostate position estimation with a single x-ray imager utilizing the spatial probability density. <i>Physics in Medicine and Biology</i> , 2008, 53, 4331-4353.	3.0	84
358	Development and preliminary evaluation of a prototype audiovisual biofeedback device incorporating a patient-specific guiding waveform. <i>Physics in Medicine and Biology</i> , 2008, 53, N197-N208.	3.0	76
359	Locating and targeting moving tumors with radiation beams. <i>Medical Physics</i> , 2008, 35, 5684-5694.	2.9	40
360	Anniversary Paper: Role of medical physicists and the AAPM in improving geometric aspects of treatment accuracy and precision. <i>Medical Physics</i> , 2008, 35, 828-839.	2.9	11

#	ARTICLE	IF	CITATIONS
361	On the accuracy of a moving average algorithm for target tracking during radiation therapy treatment delivery. <i>Medical Physics</i> , 2008, 35, 2356-2365.	2.9	32
362	SU-DD-A3-05: Experimental Investigation of a Monoscopic Real-Time Tumor Tracking Method Combining Occasional X-Ray Imaging and Continuous External Respiratory Monitoring. <i>Medical Physics</i> , 2008, 35, 2634-2634.	2.9	0
363	SU-GG-J-21: Accuracy in the Localization of Thoracic Tumors Using Respiratory Displacement, Velocity, and Phase. <i>Medical Physics</i> , 2008, 35, 2683-2683.	2.9	0
364	Geometric uncertainty of 2D projection imaging in monitoring 3D tumor motion. <i>Physics in Medicine and Biology</i> , 2007, 52, 3439-3454.	3.0	37
365	Respiratory gating for radiation therapy is not ready for prime time. <i>Medical Physics</i> , 2007, 34, 867-870.	2.9	25
366	Design and evaluation of a variable aperture collimator for conformal radiotherapy of small animals using a microCT scanner. <i>Medical Physics</i> , 2007, 34, 4359-4367.	2.9	86
367	An analysis of 6-MV versus 18-MV photon energy plans for intensity-modulated radiation therapy (IMRT) of lung cancer. <i>Radiotherapy and Oncology</i> , 2007, 82, 55-62.	0.6	52
368	Report of the AAPM Task Group No. 105: Issues associated with clinical implementation of Monte Carlo-based photon and electron external beam treatment planning. <i>Medical Physics</i> , 2007, 34, 4818-4853.	2.9	572
369	Tumor and normal tissue motion in the thorax during respiration: Analysis of volumetric and positional variations using 4D CT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 296-307.	0.8	108
370	Is There a Selection Bias in Radiotherapy Dose-Escalation Protocols?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 1359-1365.	0.8	3
371	Computational Challenges for Image-Guided Radiation Therapy: Framework and Current Research. <i>Seminars in Radiation Oncology</i> , 2007, 17, 245-257.	2.3	58
372	E14-01: Image guided radiotherapy (IGRT): physicist's perspective. <i>Journal of Thoracic Oncology</i> , 2007, 2, S264.	1.1	0
373	Improving IMRT dose accuracy via deliverable Monte Carlo optimization for the treatment of head and neck cancer patients. <i>Medical Physics</i> , 2006, 33, 4033-4043.	2.9	37
374	<i>Physics</i> , 2006, 33, 3874-3900.	2.9	1,882
375	Monte Carlo-based dosimetry of head-and-neck patients treated with SIB-IMRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 968-977.	0.8	33
376	Audio-visual biofeedback for respiratory-gated radiotherapy: Impact of audio instruction and audio-visual biofeedback on respiratory-gated radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 65, 924-933.	0.8	222
377	Geometric accuracy of a real-time target tracking system with dynamic multileaf collimator tracking system. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 65, 1579-1584.	0.8	163
378	The clinical implementation of respiratory-gated intensity-modulated radiotherapy. <i>Medical Dosimetry</i> , 2006, 31, 152-162.	0.8	76

#	ARTICLE	IF	CITATIONS
379	4D Treatment Planning. , 2006, , 259-267.		1
380	Effect of patient setup errors on simultaneously integrated boost head and neck IMRT treatment plans. International Journal of Radiation Oncology Biology Physics, 2005, 63, 422-433.	0.8	83
381	A novel platform simulating irregular motion to enhance assessment of respiration-correlated radiation therapy procedures. Journal of Applied Clinical Medical Physics, 2005, 6, 13-21.	1.8	18
382	Displacement-based binning of time-dependent computed tomography image data sets. Medical Physics, 2005, 33, 235-246.	2.9	52
383	Photon-beam subsource sensitivity to the initial electron-beam parameters. Medical Physics, 2005, 32, 1164-1175.	2.9	31
384	Four-dimensional radiotherapy planning for DMLC-based respiratory motion tracking. Medical Physics, 2005, 32, 942-951.	2.9	276
385	Letter to the editor concerning Senan et al., [Radiother Oncol 2004;71:139-146]. Radiotherapy and Oncology, 2005, 74, 346-347.	0.6	1
386	E34. Respiratory gated and four-dimensional tumor tracking radiotherapy. Lung Cancer, 2005, 49, S56.	2.0	0
387	Real-time DMLC IMRT delivery for mobile and deforming targets. Medical Physics, 2005, 32, 3037-3048.	2.9	70
388	Deformed CT reconstruction from limited projection data. International Congress Series, 2005, 1281, 104-108.	0.2	5
389	A novel platform simulating irregular motion to enhance assessment of respiration-correlated radiation therapy procedures. Journal of Applied Clinical Medical Physics, 2005, 6, 13-21.	1.8	14
390	Monte Carlo-based treatment planning for a spoiler system with experimental validation using plane-parallel ionization chambers. Physics in Medicine and Biology, 2004, 49, 5145-5155.	3.0	2
391	Monte Carlo source model for photon beam radiotherapy: photon source characteristics. Medical Physics, 2004, 31, 3106-3121.	2.9	49
392	Monte Carlo computation of dosimetric amorphous silicon electronic portal images. Medical Physics, 2004, 31, 2135-2146.	2.9	116
393	4-dimensional computed tomography imaging and treatment planning. Seminars in Radiation Oncology, 2004, 14, 81-90.	2.3	446
394	Tumor control probability predictions for genetic radiotherapy. International Journal of Radiation Oncology Biology Physics, 2003, 57, 255-263.	0.8	9
395	Patient training in respiratory-gated radiotherapy. Medical Dosimetry, 2003, 28, 7-11.	0.8	226
396	Radiotherapy dose calculations in the presence of hip prostheses. Medical Dosimetry, 2003, 28, 107-112.	0.8	49

#	ARTICLE	IF	CITATIONS
397	Image reconstruction and the effect on dose calculation for hip prostheses. Medical Dosimetry, 2003, 28, 113-117.	0.8	20
398	Determining the incident electron fluence for Monte Carlo-based photon treatment planning using a standard measured data set. Medical Physics, 2003, 30, 574-582.	2.9	93
399	Dosimetric considerations for patients with HIP prostheses undergoing pelvic irradiation. Report of the AAPM Radiation Therapy Committee Task Group 63. Medical Physics, 2003, 30, 1162-1182.	2.9	223
400	Clinical evidence that more precisely defined dose distributions will improve cancer survival and decrease morbidity. Medical Physics, 2003, 30, 1281-1282.	2.9	8
401	Dm rather than Dw should be used in Monte Carlo treatment planning. Medical Physics, 2002, 29, 922-924.	2.9	74
402	Incorporating multi-leaf collimator leaf sequencing into iterative IMRT optimization. Medical Physics, 2002, 29, 952-959.	2.9	76
403	The effect of dose calculation accuracy on inverse treatment planning. Physics in Medicine and Biology, 2002, 47, 391-407.	3.0	96
404	A method for photon beam Monte Carlo multileaf collimator particle transport. Physics in Medicine and Biology, 2002, 47, 3225-3249.	3.0	104
405	A Monte Carlo study of radiation transport through multileaf collimators. Medical Physics, 2001, 28, 2497-2506.	2.9	93
406	Reply to 'Comments on 'Converting absorbed dose to medium to absorbed dose to water for Monte Carlo based photon beam dose calculations' '. Physics in Medicine and Biology, 2000, 45, L18-L19.	3.0	10
407	Reply to 'Source distribution in adjoint Monte Carlo calculation'. Physics in Medicine and Biology, 2000, 45, L8-L10.	3.0	0
408	The effect of statistical uncertainty on inverse treatment planning based on Monte Carlo dose calculation. Physics in Medicine and Biology, 2000, 45, 3601-3613.	3.0	53
409	A method for determining multileaf collimator transmission and scatter for dynamic intensity modulated radiotherapy. Medical Physics, 2000, 27, 2231-2241.	2.9	101
410	The impact of Monte Carlo dose calculations on treatment outcomes. , 2000, , 425-427.		2
411	Dynamic-MLC Modeling for Monte Carlo dose calculations. , 2000, , 455-457.		2
412	Errors in inverse treatment planning based on inaccurate dose calculation. , 2000, , 548-550.		5
413	Performance benchmarks of the MCV Monte Carlo system. , 2000, , 129-131.		20
414	An analytical model of a kilovoltage beam phase space. Medical Physics, 1999, 26, 2000-2006.	2.9	9

#	ARTICLE	IF	CITATIONS
415	Comparison of kilovoltage x-ray and electron beam dose distributions for radiotherapy of the sternum. <i>Medical Dosimetry</i> , 1999, 24, 141-144.	0.8	3
416	Monte Carlo-based inverse treatment planning. <i>Physics in Medicine and Biology</i> , 1999, 44, 1885-1896.	3.0	64
417	Electron transport in photon and electron beam modeling. <i>Medical Physics</i> , 1997, 24, 1181-1181.	2.9	0
418	Super-Monte Carlo: A 3-D electron beam dose calculation algorithm. <i>Medical Physics</i> , 1996, 23, 2023-2034.	2.9	47
419	Superposition dose calculation incorporating Monte Carlo generated electron track kernels. <i>Medical Physics</i> , 1996, 23, 479-485.	2.9	52
420	Accounting for primary electron scatter in x-ray beam convolution calculations. <i>Medical Physics</i> , 1995, 22, 1413-1418.	2.9	29
421	Atrial fibrillation cardiac radioablation target visibility on magnetic resonance imaging. <i>Physical and Engineering Sciences in Medicine</i> , 0, , .	2.5	0
422	An investigation of the conformity, feasibility and expected clinical benefits of multiparametric MRI-guided dose painting radiotherapy in glioblastoma. <i>Neuro-Oncology Advances</i> , 0, , .	0.7	1
423	Radiotherapy protocol compliance in routine clinical practice for patients with stages Iâ€“III nonâ€“smallâ€“cell lung cancer. <i>Journal of Medical Imaging and Radiation Oncology</i> , 0, , .	1.9	0