

An analysis of thoracic and abdominal tumour motion for patients

Physics in Medicine and Biology

53, 3623-3640

DOI: [10.1088/0031-9155/53/13/016](https://doi.org/10.1088/0031-9155/53/13/016)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Sum-frequency generation in a multimode laser field. Soviet Journal of Quantum Electronics, 1981, 11, 920-922.	0.1	3
2	A Method to Estimate Mean Position, Motion Magnitude, Motion Correlation, and Trajectory of a Tumor From Cone-Beam CT Projections for Image-Guided Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2008, 72, 1587-1596.	0.4	82
3	Four-dimensional IMRT treatment planning using a DMLC motion-tracking algorithm. Physics in Medicine and Biology, 2009, 54, 3821-3835.	1.6	37
4	Use of MV and kV imager correlation for maintaining continuous real-time 3D internal marker tracking during beam interruptions. Physics in Medicine and Biology, 2009, 54, 91-105.	1.6	14
5	Deriving motion from megavoltage localization cone beam computed tomography scans. Physics in Medicine and Biology, 2009, 54, 4195-4212.	1.6	15
6	Validation of a computational method for assessing the impact of intra-fraction motion on helical tomotherapy plans. Physics in Medicine and Biology, 2009, 54, 6611-6621.	1.6	9
7	Accuracy in the localization of thoracic and abdominal tumors using respiratory displacement, velocity, and phase. Medical Physics, 2009, 36, 386-393.	1.6	33
8	Investigation of motion sickness and inertial stability on a moving couch for intra-fraction motion compensation. Acta Oncologica, 2009, 48, 1198-1203.	0.8	20
9	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.	0.4	100
10	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.	0.4	39
11	Pancreatic Tumor Motion on a Single Planning 4D-CT Does Not Correlate With Intrafraction Tumor Motion During Treatment. American Journal of Clinical Oncology: Cancer Clinical Trials, 2009, 32, 364-368.	0.6	92
12	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.	0.4	63
13	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.	0.4	26
14	Lung Dose for Minimally Moving Thoracic Lesions Treated With Respiration Gating. International Journal of Radiation Oncology Biology Physics, 2010, 77, 285-291.	0.4	6
15	Feasibility Study for Markerless Tracking of Lung Tumors in Stereotactic Body Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2010, 78, 618-627.	0.4	68
16	Real-time tumor tracking using sequential kV imaging combined with respiratory monitoring: a general framework applicable to commonly used IGRT systems. Physics in Medicine and Biology, 2010, 55, 3299-3316.	1.6	50
17	Failure mode and effect analysis-based quality assurance for dynamic MLC tracking systems. Medical Physics, 2010, 37, 6466-6479.	1.6	64
18	Prospective detection of large prediction errors: a hypothesis testing approach. Physics in Medicine and Biology, 2010, 55, 3885-3904.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Using cone-beam CT projection images to estimate the average and complete trajectory of a fiducial marker moving with respiration. <i>Physics in Medicine and Biology</i> , 2010, 55, 7439-7452.	1.6	14
20	Online prediction of respiratory motion: multidimensional processing with low-dimensional feature learning. <i>Physics in Medicine and Biology</i> , 2010, 55, 3011-3025.	1.6	62
21	A computational method for estimating the dosimetric effect of intra-fraction motion on step-and-shoot IMRT and compensator plans. <i>Physics in Medicine and Biology</i> , 2010, 55, 4187-4202.	1.6	22
22	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.	0.8	50
23	Geometric accuracy of dynamic MLC tracking with an implantable wired electromagnetic transponder. <i>Acta Oncologica</i> , 2011, 50, 944-951.	0.8	28
24	Intelligent sensing of biomedical signals - Lung tumor motion prediction for accurate radiotherapy. , 2011, , .		2
25	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.	1.6	13
26	Analyzing the impact of intrafraction motion: Correlation of different dose metrics with changes in target D95%. <i>Medical Physics</i> , 2011, 38, 4505-4511.	1.6	21
27	Expanding the use of real-time electromagnetic tracking in radiation oncology. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 34-49.	0.8	41
28	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.	0.4	44
29	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.	0.4	60
30	Statistical analysis of target motion in gated lung stereotactic body radiation therapy. <i>Physics in Medicine and Biology</i> , 2011, 56, 1385-1395.	1.6	31
31	Macroscopic stability of high β^2 MAST plasmas. <i>Nuclear Fusion</i> , 2011, 51, 073040.	1.6	39
32	Photometric study of eclipsing binaries in the Large Magellanic Cloud – I. W UMa type binaries in the Large Magellanic Cloud. <i>Research in Astronomy and Astrophysics</i> , 2011, 11, 175-180.	0.7	7
33	Investigation of a novel algorithm for true 4D-VMAT planning with comparison to tracked, gated and static delivery. <i>Medical Physics</i> , 2011, 38, 2698-2707.	1.6	28
34	Evaluation of motion management strategies based on required margins. <i>Physics in Medicine and Biology</i> , 2012, 57, 6347-6369.	1.6	13
35	Mining pattern sequences in respiratory tumor motion data. , 2012, 2012, 5262-5.		2
36	Respiratory motion prediction for tumor following radiotherapy by using time-variant seasonal autoregressive techniques. , 2012, 2012, 6028-31.		4

#	ARTICLE	IF	CITATIONS
37	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.	1.6	16
38	Hybrid MV-kV 3D respiratory motion tracking during radiation therapy with low imaging dose. <i>Physics in Medicine and Biology</i> , 2012, 57, 8455-8469.	1.6	14
39	External respiratory motion: Shape analysis and custom realistic respiratory trace generation. <i>Medical Physics</i> , 2012, 39, 4999-5003.	1.6	9
40	Accuracy and sensitivity of four-dimensional dose calculation to systematic motion variability in stereotactic body radiotherapy (SBRT) for lung cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 303-317.	0.8	11
41	Real-time 2D/3D registration for tumor motion tracking during radiotherapy. , 2012, , .		3
42	Feasibility of low-dose single-view 3D fiducial tracking concurrent with external beam delivery. <i>Medical Physics</i> , 2012, 39, 2163-2169.	1.6	8
43	Mitigating Errors in External Respiratory Surrogate-Based Models of Tumor Position. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e709-e716.	0.4	15
44	Quantification of the Variability of Diaphragm Motion and Implications for Treatment Margin Construction. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e399-e407.	0.4	55
45	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.	0.4	48
46	Monitoring tumor motion by real time 2D/3D registration during radiotherapy. <i>Radiotherapy and Oncology</i> , 2012, 102, 274-280.	0.3	71
47	A comparison of tumor motion characteristics between early stage and locally advanced stage lung cancers. <i>Radiotherapy and Oncology</i> , 2012, 104, 33-38.	0.3	39
50	Compensating for Quasi-periodic Motion in Robotic Radiosurgery. , 2012, , .		25
51	Evaluation of a lung tumor autocontouring algorithm for intrafractional tumor tracking using low-field MRI: A phantom study. <i>Medical Physics</i> , 2012, 39, 1481-1494.	1.6	34
52	An artificial neural network (ANN)-based lung-tumor motion predictor for intrafractional MR tumor tracking. <i>Medical Physics</i> , 2012, 39, 4423-4433.	1.6	32
53	Impact of the MLC on the MRI field distortion of a prototype MRI-linac. <i>Medical Physics</i> , 2013, 40, 121705.	1.6	23
54	Variations in magnitude and directionality of respiratory target motion throughout full treatment courses of stereotactic body radiotherapy for tumors in the liver. <i>Acta Oncologica</i> , 2013, 52, 1437-1444.	0.8	47
55	Real-Time Tumor Tracking in the Lung Using an Electromagnetic Tracking System. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 477-483.	0.4	70
56	A comparison of phase, amplitude, and velocity binning for cone-beam computed tomographic projection-based motion reconstruction. <i>Practical Radiation Oncology</i> , 2013, 3, e209-e217.	1.1	3

#	ARTICLE	IF	CITATIONS
57	4D VMAT, gated VMAT, and 3D VMAT for stereotactic body radiation therapy in lung. <i>Physics in Medicine and Biology</i> , 2013, 58, 749-770.	1.6	39
58	Interventional Endocardial Motion Estimation from Electroanatomical Mapping Data: Application to Scar Characterization. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 1217-1224.	2.5	8
59	Comparative study of layered and volumetric rescanning for different scanning speeds of proton beam in liver patients. <i>Physics in Medicine and Biology</i> , 2013, 58, 7905-7920.	1.6	76
60	Quantifying variability of intrafractional target motion in stereotactic body radiotherapy for lung cancers. <i>Journal of Applied Clinical Medical Physics</i> , 2013, 14, 140-152.	0.8	18
61	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.	1.6	24
62	Audiovisual biofeedback improves motion prediction accuracy. <i>Medical Physics</i> , 2013, 40, 041705.	1.6	20
63	A study of longitudinal tumor motion in helical tomotherapy using a cylindrical phantom. <i>Journal of Applied Clinical Medical Physics</i> , 2013, 14, 52-61.	0.8	9
64	A Time-Varying Seasonal Autoregressive Model-Based Prediction of Respiratory Motion for Tumor following Radiotherapy. <i>Computational and Mathematical Methods in Medicine</i> , 2013, 2013, 1-9.	0.7	8
65	A comparison of the dosimetric effects of intrafraction motion on step-and-shoot, compensator, and helical tomotherapy-based IMRT. <i>Journal of Applied Clinical Medical Physics</i> , 2013, 14, 121-132.	0.8	6
66	A Respiratory Motion Prediction Based on Time-Variant Seasonal Autoregressive Model for Real-Time Image-Guided Radiotherapy. , 0, , .		2
67	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.	1.6	19
68	Evaluation of respiratory pattern during respiratory-gated radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2014, 37, 731-742.	1.4	8
69	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.	0.8	7
70	The potential of positron emission tomography for intratreatment dynamic lung tumor tracking: A phantom study. <i>Medical Physics</i> , 2014, 41, 021718.	1.6	18
71	Real-time intensity based 2D/3D registration using kV-MV image pairs for tumor motion tracking in image guided radiotherapy. , 2014, , .		2
72	A margin-based analysis of the dosimetric impact of motion on step-and-shoot IMRT lung plans. <i>Radiation Oncology</i> , 2014, 9, 46.	1.2	5
73	Comment on "Initial states of qubit environment models leading to conserved quantities". <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 168001.	0.7	1
74	Retrospective evaluation of CTV to PTV margins using CyberKnife in patients with thoracic tumors. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 59-72.	0.8	14

#	ARTICLE	IF	CITATIONS
75	An externally and internally deformable, programmable lung motion phantom. <i>Medical Physics</i> , 2015, 42, 2585-2593.	1.6	25
76	Impact of scanning parameters and breathing patterns on image quality and accuracy of tumor motion reconstruction in 4D CBCT: a phantom study. <i>Journal of Applied Clinical Medical Physics</i> , 2015, 16, 195-212.	0.8	22
77	Neural network based autocontouring algorithm for intrafractional lung tumor tracking using Linac MR. <i>Medical Physics</i> , 2015, 42, 2296-2310.	1.6	37
78	Calculating Patient Similarity Based on Respiration Induced Tumor Motion. , 2015, , .		1
79	Effect of MLC tracking latency on conformal volumetric modulated arc therapy (VMAT) plans in 4D stereotactic lung treatment. <i>Radiotherapy and Oncology</i> , 2015, 117, 491-495.	0.3	33
80	Multimodality Guidance for Accurate Bronchoscopic Insertion of Fiducial Markers. <i>Journal of Thoracic Oncology</i> , 2015, 10, 324-330.	0.5	38
82	Breathing guidance in radiation oncology and radiology: A systematic review of patient and healthy volunteer studies. <i>Medical Physics</i> , 2015, 42, 5490-5509.	1.6	28
83	Efficient parameter estimation for anatomy deformation models used in 4D-CT. <i>MATEC Web of Conferences</i> , 2016, 76, 02003.	0.1	0
84	Characterizing spatiotemporal information loss in sparse sampling based dynamic MRI for monitoring respiration induced tumor motion in radiotherapy. <i>Medical Physics</i> , 2016, 43, 2807-2820.	1.6	3
85	Reconstruction of implanted marker trajectories from cone-beam CT projection images using interdimensional correlation modeling. <i>Medical Physics</i> , 2016, 43, 4643-4654.	1.6	11
86	Online 4D ultrasound guidance for real-time motion compensation by MLC tracking. <i>Medical Physics</i> , 2016, 43, 5695-5704.	1.6	33
87	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. <i>Medical Physics</i> , 2016, 43, 2639-2648.	1.6	6
88	Four-dimensional computed tomography prediction of inter- and intrafractional upper gastrointestinal tumor motion during fractionated stereotactic body radiation therapy. <i>Practical Radiation Oncology</i> , 2016, 6, 176-182.	1.1	7
89	A dosimetric comparison of real-time adaptive and non-adaptive radiotherapy: A multi-institutional study encompassing robotic, gimbaled, multileaf collimator and couch tracking. <i>Radiotherapy and Oncology</i> , 2016, 119, 159-165.	0.3	82
90	Inverse 4D conformal planning for lung SBRT using particle swarm optimization. <i>Physics in Medicine and Biology</i> , 2016, 61, 6181-6202.	1.6	18
91	Evaluating tracking and prediction of tumor motion in a motion-compensating system for adaptive radiotherapy. , 2016, , .		2
92	Experimental investigation of irregular motion impact on 4D PET-based particle therapy monitoring. <i>Physics in Medicine and Biology</i> , 2016, 61, N20-N34.	1.6	6
93	Assessment of Lung Tumour Motion and Volume Size Dependencies Using Various Evaluation Measures. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2016, 47, 30-42.e1.	0.2	2

#	ARTICLE	IF	CITATIONS
94	Motion and volumetric change as demonstrated by 4DCT: The effects of abdominal compression on the GTV, lungs, and heart in lung cancer patients. <i>Practical Radiation Oncology</i> , 2016, 6, 352-359.	1.1	11
95	An experimentally validated couch and MLC tracking simulator used to investigate hybrid couchâ€MLC tracking. <i>Medical Physics</i> , 2017, 44, 798-809.	1.6	20
96	Predictive modeling of respiratory tumor motion for real-time prediction of baseline shifts. <i>Physics in Medicine and Biology</i> , 2017, 62, 1791-1809.	1.6	10
97	Comparison of 2D and 3D modeled tumor motion estimation/prediction for dynamic tumor tracking during arc radiotherapy. <i>Physics in Medicine and Biology</i> , 2017, 62, N168-N179.	1.6	1
98	Temporal resolution required for accurate evaluation of the interplay effect in spot scanning proton therapy. <i>Journal of the Korean Physical Society</i> , 2017, 70, 720-725.	0.3	4
99	A particle filter motion prediction algorithm based on an autoregressive model for real-time MRI-guided radiotherapy of lung cancer. <i>Biomedical Physics and Engineering Express</i> , 2017, 3, 035001.	0.6	15
100	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.	1.6	38
101	Planning 4D intensity-modulated arc therapy for tumor tracking with a multileaf collimator. <i>Physics in Medicine and Biology</i> , 2017, 62, 1480-1500.	1.6	5
102	Robust optimization of <sc>VMAT</sc> for lung cancer: Dosimetric implications of motion compensation techniques. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 104-116.	0.8	33
103	Effect of intra-fraction motion on the accumulated dose for free-breathing MR-guided stereotactic body radiation therapy of renal-cell carcinoma. <i>Physics in Medicine and Biology</i> , 2017, 62, 7407-7424.	1.6	32
104	MLC tracking for lung SABR reduces planning target volumes and dose to organs at risk. <i>Radiotherapy and Oncology</i> , 2017, 124, 18-24.	0.3	31
105	Developing a low dimensional patient class profile in accordance to their respiration-induced tumor motion. <i>Proceedings of the VLDB Endowment</i> , 2017, 10, 1610-1621.	2.1	1
106	Potential improvements of lung and prostate MLC tracking investigated by treatment simulations. <i>Medical Physics</i> , 2018, 45, 2218-2229.	1.6	10
107	A comparison of gantryâ€mounted x-rayâ€based realâ€time target tracking methods. <i>Medical Physics</i> , 2018, 45, 1222-1232.	1.6	10
108	Feasibility of predicting tumor motion using online data acquired during treatment and a generalized neural network optimized with offline patient tumor trajectories. <i>Medical Physics</i> , 2018, 45, 830-845.	1.6	30
109	Optimization of training periods for the estimation model of three-dimensional target positions using an external respiratory surrogate. <i>Radiation Oncology</i> , 2018, 13, 73.	1.2	0
110	rConverse. , 2018, 2, 1-27.		19
111	Assessment of Per-Endoscopic Placement of Fiducial Gold Markers for Small Peripheral Lung Nodules< 20<mm Before Stereotactic Radiation Therapy. <i>Chest</i> , 2018, 153, 387-394.	0.4	14

#	ARTICLE	IF	CITATIONS
112	Real-Time Tumor Motion Tracking in 3D Using Planning 4D CT Images during Image-Guided Radiation Therapy. <i>Algorithms</i> , 2018, 11, 155.	1.2	2
113	Super-resolution T2-weighted 4D MRI for image guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2018, 129, 486-493.	0.3	16
114	Technical Note: Real-time 3D MRI in the presence of motion for MRI-guided radiotherapy: 3D Dynamic keyhole imaging with super-resolution. <i>Medical Physics</i> , 2019, 46, 4631-4638.	1.6	8
115	Real-time direct diaphragm tracking using kV imaging on a standard linear accelerator. <i>Medical Physics</i> , 2019, 46, 4481-4489.	1.6	14
116	Evaluating a potential technique with local optical flow vectors for automatic organ-at-risk (OAR) intrusion detection and avoidance during radiotherapy. <i>Physics in Medicine and Biology</i> , 2019, 64, 145008.	1.6	5
117	Development and prospective in-patient proof-of-concept validation of a surface photogrammetry-based volumetric motion model for lung radiotherapy. <i>Medical Physics</i> , 2019, 46, 5407-5420.	1.6	4
118	The ideal couch tracking system—Requirements and evaluation of current systems. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 152-159.	0.8	5
119	A conceptual study on real-time adaptive radiation therapy optimization through ultra-fast beamlet control. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 055016.	0.6	2
120	Reducing the tracking drift of an uncounted tumor for a portal-image-based dynamically adapted conformal radiotherapy treatment. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 1657-1672.	1.6	7
121	A novel deformable lung phantom with programably variable external and internal correlation. <i>Medical Physics</i> , 2019, 46, 1995-2005.	1.6	7
122	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.	1.6	2
123	Clinical experience with lung-specific electromagnetic transponders for real-time tumor tracking in lung stereotactic body radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2019, 12, 30-37.	1.2	11
124	Adopting Advanced Radiotherapy Techniques in the Treatment of Paediatric Extracranial Malignancies: Challenges and Future Directions. <i>Clinical Oncology</i> , 2019, 31, 50-57.	0.6	2
125	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.	1.6	9
126	Direct tumor visual feedback during free breathing in 0.35T MRgRT. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 241-247.	0.8	14
127	Definition of internal target volumes based on planar X-ray fluoroscopic images for lung and hepatic stereotactic body radiation therapy. Comparison to inhale/exhale CT technique. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 56-64.	0.8	1
128	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.	1.6	19
129	Self-contained deep learning-based boosting of 4D cone-beam CT reconstruction. <i>Medical Physics</i> , 2020, 47, 5619-5631.	1.6	20

#	ARTICLE	IF	CITATIONS
130	Validation of 4D Monte Carlo dose calculations using a programmable deformable lung phantom. <i>Physica Medica</i> , 2020, 76, 16-27.	0.4	7
131	Dose deviations induced by respiratory motion for radiotherapy of lung tumors: Impact of CT reconstruction, plan complexity, and fraction size. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 68-79.	0.8	11
132	Real-time prediction of tumor motion using a dynamic neural network. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 529-539.	1.6	10
133	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.	0.3	18
135	Use of a motion phantom to verify dose accuracy in different delivery techniques for lung tumors in SBRT. <i>Therapeutic Radiology and Oncology</i> , 0, .	0.2	0
136	Dosimetric evaluation of MRI-guided multi-leaf collimator tracking and trailing for lung stereotactic body radiation therapy. <i>Medical Physics</i> , 2021, 48, 1520-1532.	1.6	20
137	Simultaneous multi-slice accelerated 4D-MRI for radiotherapy guidance. <i>Physics in Medicine and Biology</i> , 2021, 66, 095014.	1.6	10
138	Real-Time Respiratory Tumor Motion Prediction Based on a Temporal Convolutional Neural Network: Prediction Model Development Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e27235.	2.1	8
139	Comparison of modeling accuracy between Radixact® and CyberKnife® Synchrony® respiratory tracking system. <i>Biomedical Physics and Engineering Express</i> , 2021, 7, 067001.	0.6	5
140	Strategies for Motion Robust Proton Therapy With Pencil Beam Scanning for Esophageal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 539-548.	0.4	13
141	Introduction to 4D Motion Modeling and 4D Radiotherapy. <i>Biological and Medical Physics Series</i> , 2013, , 1-21.	0.3	2
142	Improved Techniques to Assign Accurate Phase Information Of Respiratory Signals for 4D CT Reconstruction. <i>IFMBE Proceedings</i> , 2009, , 652-655.	0.2	0
143	Relation Between Tumor Size and Range of Motion in IMRT Treatment Planning for Thoracic Lesions. <i>Journal of Cancer Science & Therapy</i> , 2010, 02, .	1.7	1
144	Robotiksysteme für die Radiochirurgie. , 2011, , 295-302.		0
145	4D CT image acquisition errors in SBRT of liver identified using correlation. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 164-173.	0.8	0
146	Dosimetric effect of intra-fractional and inter-fractional target motion in lung cancer radiotherapy techniques. <i>International Journal of Cancer Therapy and Oncology</i> , 2015, 3, 343.	0.2	1
147	Clinical experience of MRI ^{4D} QUASAR motion phantom for latency measurements in 0.35T MR-LINAC. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 128-136.	0.8	12
148	Hidden Markov Model-based Extraction of Target Objects in X-ray Image Sequence for Lung Radiation Therapy. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2020, 140, 49-60.	0.1	1

#	ARTICLE	IF	CITATIONS
149	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.	0.8	0
150	Target margin design through analyzing a large cohort of clinical log data in the cyberknife system. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13476.	0.8	7
151	The markerless lung target tracking AAPM Grand Challenge (MATCH) results. <i>Medical Physics</i> , 2022, 49, 1161-1180.	1.6	15
152	Can bronchoscopically implanted anchored electromagnetic transponders be used to monitor tumor position and lung inflation during deep inspiration breath-hold lung radiotherapy?. <i>Medical Physics</i> , 2022, 49, 2621-2630.	1.6	3
153	Tracking target/chest relationship changes during motion-synchronized tomotherapy treatments. <i>Medical Physics</i> , 2022, , .	1.6	3
154	Improved Tumor Image Estimation in X-Ray Fluoroscopic Images by Augmenting 4DCT Data for Radiotherapy. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2022, 26, 471-482.	0.5	1
155	A novel external/internal tumor tracking approach to compensate for respiratory motion baseline drifts. <i>Physics in Medicine and Biology</i> , 2023, 68, 055017.	1.6	1