Mitsuhiro Nakamura

List of Publications by Year in Descending Order

139 papers	1,465 citations	19 h-index	32 g-index
146 ext. papers	1,810 ext. citations	2.6 avg, IF	4.34 L-index

#	Paper	IF	Citations
139	Dosiomic feature comparison between dose-calculation algorithms used for lung stereotactic body radiation therapy.. *Radiological Physics and Technology*, **2022**, 15, 63	1.7	0
138	Vulnerabilities of radiomic features to respiratory motion on four-dimensional computed tomography-based average intensity projection images: A phantom study.. *Journal of Applied Clinical Medical Physics*, **2022**, e13498	2.3	2
137	Clinical results of dynamic tumor-tracking stereotactic body radiotherapy with real-time monitoring for liver tumors using a gimbal-mounted linac: A multi-institutional phase II study.. *Journal of Clinical Oncology*, **2022**, 40, 441-441	2.2	
136	Stepwise deep neural network (stepwise-net) for head and neck auto-segmentation on CT images.. *Computers in Biology and Medicine*, **2022**, 143, 105295	7	1
135	Development of AI-driven prediction models to realize real-time tumor tracking during radiotherapy.. *Radiation Oncology*, **2022**, 17, 42	4.2	0
134	Deep learning-based auto segmentation using generative adversarial network on magnetic resonance images obtained for head and neck cancer patients.. *Journal of Applied Clinical Medical Physics*, **2022**, e13579	2.3	
133	Evaluation of correlation between intrafractional residual setup errors and accumulation of delivered dose distributions in single isocenter volumetric modulated arc therapy for multiple brain metastases.. *Physica Medica*, **2022**, 98, 45-52	2.7	0
132	Multi-institutional phase II study on the safety and efficacy of dynamic tumor tracking-stereotactic body radiotherapy for lung tumors.. *Radiotherapy and Oncology*, **2022**, 172, 18-22	5.3	0
131	Multi-institutional dose-segmented dosiomic analysis for predicting radiation pneumonitis after lung stereotactic body radiation therapy. *Medical Physics*, **2021**, 48, 1781-1791	4.4	10
130	Survey on utilization of flattening filter-free photon beams in Japan. *Journal of Radiation Research*, **2021**, 62, 726-734	2.4	0
129	Reducing variability among treatment machines using knowledge-based planning for head and neck, pancreatic, and rectal cancer. *Journal of Applied Clinical Medical Physics*, **2021**, 22, 245-254	2.3	3
128	Geometric and dosimetric impact of 3D generative adversarial network-based metal artifact reduction algorithm on VMAT and IMPT for the head and neck region. *Radiation Oncology*, **2021**, 16, 96	4.2	1
127	Development of a physical geometric phantom for deformable image registration credentialing of radiotherapy centers for a clinical trial. *Journal of Applied Clinical Medical Physics*, **2021**, 22, 255-265	2.3	1
126	Statistical deformation reconstruction using multi-organ shape features for pancreatic cancer localization. *Medical Image Analysis*, **2021**, 67, 101829	15.4	10
125	Statistical shape model-based planning organ-at-risk volume: application to pancreatic cancer patients. *Physics in Medicine and Biology*, **2021**, 66, 014001	3.8	3
124	Image-to-Graph Convolutional Network for Deformable Shape Reconstruction from a Single Projection Image. *Lecture Notes in Computer Science*, **2021**, 259-268	0.9	2
123	Actual delivered dose calculation on intra-irradiation cone-beam computed tomography images: a phantom study. *Physics in Medicine and Biology*, **2021**, 66, 015007	3.8	0

122	Development of in-house fully residual deep convolutional neural network-based segmentation software for the male pelvic CT. *Radiation Oncology*, **2021**, 16, 135	4.2	0
121	Highly hypofractionated intensity-modulated radiation therapy for nonmetastatic prostate cancer with a simultaneous integrated boost to intraprostatic lesions: a planning study. *Japanese Journal of Radiology*, **2021**, 1	2.9	
120	Photoneutron-induced damage reduction for cardiac implantable electronic devices using neutron-shielding sheets in high-energy X-ray radiotherapy: A phantom study. *Physica Medica*, **2021**, 89, 151-159	2.7	3
119	Evaluation of intrafractional head motion for intracranial stereotactic radiosurgery with a thermoplastic frameless mask and ceiling-floor-mounted image guidance device. *Physica Medica*, **2021**, 81, 245-252	2.7	2
118	Shape Reconstruction for Abdominal Organs based on a Graph Convolutional Network. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 2960-2963	0.9	
117	Image quality evaluation of intra-irradiation cone-beam computed tomography acquired during one- and two-arc prostate volumetric-modulated arc therapy delivery: A phantom study. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 231-239	2.3	1
116	Independent calculation-based verification of volumetric-modulated arc therapy-stereotactic body radiotherapy plans for lung cancer. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 135-143	2.3	0
115	Organ at risk delineation for radiation therapy clinical trials: Global Harmonization Group consensus guidelines. *Radiotherapy and Oncology*, **2020**, 150, 30-39	5.3	17
114	Radiotherapy planning techniques to reduce lung irradiation in head and neck cancer patients with mediastinal involvement. *Radiological Physics and Technology*, **2020**, 13, 128-135	1.7	
113	Application and limitation of radiomics approach to prognostic prediction for lung stereotactic body radiotherapy using breath-hold CT images with random survival forest: A multi-institutional study. *Medical Physics*, **2020**, 47, 4634-4643	4.4	9
112	Investigation of 4D dose in volumetric modulated arc therapy-based stereotactic body radiation therapy: does fractional dose or number of arcs matter?. *Journal of Radiation Research*, **2020**, 61, 325-334	2.4	2
111	Analyses of integrated EPID images for on-treatment quality assurance to account for interfractional variations in volumetric modulated arc therapy. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 110-116	2.3	2
110	Quantification and correction of the scattered X-rays from a megavoltage photon beam to a linac-mounted kilovoltage imaging subsystem. *BJR|Open*, **2020**, 2, 20190048	1.4	2
109	Comparison of radiomic features in diagnostic CT images with and without contrast enhancement in the delayed phase for NSCLC patients. *Physica Medica*, **2020**, 69, 176-182	2.7	19
108	Questionnaire survey on treatment planning techniques for lung stereotactic body radiotherapy in Japan. *Journal of Radiation Research*, **2020**, 61, 104-116	2.4	3
107	An overview of the medical-physics-related verification system for radiotherapy multicenter clinical trials by the Medical Physics Working Group in the Japan Clinical Oncology Group-Radiation Therapy Study Group. *Journal of Radiation Research*, **2020**, 61, 999-1008	2.4	0
106	Positional repeatability and variation in internal and external markers during volumetric-modulated arc therapy under end-exhalation breath-hold conditions for pancreatic cancer patients. *Journal of Radiation Research*, **2020**, 61, 755-765	2.4	1
105	The gimbaled-head radiotherapy system: Rise and downfall of a dedicated system for dynamic tumor tracking with real-time monitoring and dynamic WaveArc. *Radiotherapy and Oncology*, **2020**, 153, 311-318	5.3	3

104	Impact of interfractional anatomical variation and setup correction methods on interfractional dose variation in IMPT and VMAT plans for pancreatic cancer patients: A planning study. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 49-59	2.3	3
103	Monte Carlo simulation of 6-MV dynamic wave VMAT deliveries by Vero4DRT linear accelerator using EGSnrc moving sources. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 206-218	2.3	0
102	Improvement of prediction and classification performance for gamma passing rate by using plan complexity and dosiomics features. *Radiotherapy and Oncology*, **2020**, 153, 250-257	5.3	10
101	Validation of the clinical applicability of knowledge-based planning models in single-isocenter volumetric-modulated arc therapy for multiple brain metastases. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 141-150	2.3	4
100	Direct measurement and correction of both megavoltage and kilovoltage scattered x-rays for orthogonal kilovoltage imaging subsystems with dual flat panel detectors. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 143-154	2.3	2
99	X-ray2Shape: Reconstruction of 3D Liver Shape from a Single 2D Projection Image. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2020**, 2020, 1608-1611	0.9	5
98	Variation in target volume and centroid position due to breath holding during four-dimensional computed tomography scanning: A phantom study. *Journal of Applied Clinical Medical Physics*, **2020**, 21, 11-17	2.3	1
97	Filter-based energy-resolved X-ray computed tomography with a clinical imager. *Journal of Nuclear Science and Technology*, **2019**, 56, 210-220	1	3
96	A scoring system predicting acute radiation dermatitis in patients with head and neck cancer treated with intensity-modulated radiotherapy. *Radiation Oncology*, **2019**, 14, 14	4.2	10
95	Prediction of dosimetric accuracy for VMAT plans using plan complexity parameters via machine learning. *Medical Physics*, **2019**, 46, 3823-3832	4.4	17
94	Tumour volume comparison between 16-row multi-detector computed tomography and 320-row area-detector computed tomography in patients with small lung tumours treated with stereotactic body radiotherapy: Effect of respiratory motion. *European Journal of Radiology*, **2019**, 117, 120-125	4.7	2
93	Accumulation of the delivered treatment dose in volumetric modulated arc therapy with breath-hold for pancreatic cancer patients based on daily cone beam computed tomography images with limited field-of-view. *Medical Physics*, **2019**, 46, 2969-2977	4.4	14
92	Quality assurance of non-coplanar, volumetric-modulated arc therapy employing a C-arm linear accelerator, featuring continuous patient couch rotation. *Radiation Oncology*, **2019**, 14, 62	4.2	3
91	Dummy-run for standardizing plan quality of intensity-modulated radiotherapy for postoperative uterine cervical cancer: Japan Clinical Oncology Group study (JCOG1402). *Radiation Oncology*, **2019**, 14, 133	4.2	2
90	Single-isocenter volumetric-modulated Dynamic WaveArc therapy for two brain metastases. *Japanese Journal of Radiology*, **2019**, 37, 619-625	2.9	
89	Modalities and techniques used for stereotactic radiotherapy, intensity-modulated radiotherapy, and image-guided radiotherapy: A 2018 survey by the Japan Society of Medical Physics. *Physica Medica*, **2019**, 64, 182-187	2.7	7
88	Liver phantom design and dosimetric verification in participating institutions for a proton beam therapy in patients with resectable hepatocellular carcinoma: Japan Clinical Oncology Group trial (JCOG1315C). *Radiotherapy and Oncology*, **2019**, 140, 98-104	5.3	2
87	Performance evaluation of a newly developed three-dimensional model-based global-to-local registration in prostate cancer. *Journal of Radiation Research*, **2019**, 60, 595-602	2.4	2

86	Variation in accumulated dose of volumetric-modulated arc therapy for pancreatic cancer due to different beam starting phases. *Journal of Applied Clinical Medical Physics*, **2019**, 20, 118-126	2.3	2
85	Development of a portable quality control application using a tablet-type electronic device. *Medical Physics*, **2018**, 45, 1029-1035	4.4	
84	Quantification of the kV X-ray imaging dose during real-time tumor tracking and from three- and four-dimensional cone-beam computed tomography in lung cancer patients using a Monte Carlo simulation. *Journal of Radiation Research*, **2018**, 59, 173-181	2.4	12
83	Monitoring of mechanical errors and their dosimetric impact throughout the course of non-coplanar continuous volumetric-modulated arc therapy. *Radiation Oncology*, **2018**, 13, 27	4.2	7
82	Optimization of training periods for the estimation model of three-dimensional target positions using an external respiratory surrogate. *Radiation Oncology*, **2018**, 13, 73	4.2	
81	Establishment of postal audit system in intensity-modulated radiotherapy by radiophotoluminescent glass dosimeters and a radiochromic film. *Physica Medica*, **2018**, 48, 119-126	2.7	12
80	Quality assurance of geometric accuracy based on an electronic portal imaging device and log data analysis for Dynamic WaveArc irradiation. *Journal of Applied Clinical Medical Physics*, **2018**, 19, 234-242	2.3	1
79	Dosimetric advantages afforded by a new irradiation technique, Dynamic WaveArc, used for accelerated partial breast irradiation. *Physica Medica*, **2018**, 48, 103-110	2.7	3
78	Metal artifact reduction by filter-based dual-energy cone-beam computed tomography on a bench-top micro-CBCT system: concept and demonstration. *Journal of Radiation Research*, **2018**, 59, 511-520	2.4	6
77	Dosimetric impact of translational and rotational setup errors for spine stereotactic body radiotherapy: A phantom study. *Medical Dosimetry*, **2018**, 43, 320-326	1.3	3
76	Pilot Study of the Safety and Efficacy of Dose Escalation in Stereotactic Body Radiotherapy for Peripheral Lung Tumors. *Clinical Lung Cancer*, **2018**, 19, e287-e296	4.9	6
75	Geometric and dosimetric accuracy of dynamic tumor tracking during volumetric-modulated arc therapy using a gimbal mounted linac. *Radiotherapy and Oncology*, **2018**, 129, 166-172	5.3	2
74	Clinical results of dynamic tumor tracking intensity-modulated radiotherapy with real-time monitoring for pancreatic cancers using a gimbal mounted linac. *Oncotarget*, **2018**, 9, 23628-23635	3.3	10
73	Evaluation of Dynamic Tumor-tracking Intensity-modulated Radiotherapy for Locally Advanced Pancreatic Cancer. *Scientific Reports*, **2018**, 8, 17096	4.9	9
72	A Case of Recurrent Esophageal Cancer Treated with Concurrent Chemoradiation Therapy in Pregnancy. *Case Reports in Obstetrics and Gynecology*, **2018**, 2018, 1280582	0.8	0
71	Multi-institutional comparison of secondary check of treatment planning using computer-based independent dose calculation for non-C-arm linear accelerators. *Physica Medica*, **2018**, 56, 58-65	2.7	1
70	An end-to-end postal audit test to examine the coincidence between the imaging isocenter and treatment beam isocenter of the IGRT linac system for Japan Clinical Oncology Group (JCOG) clinical trials. *Physica Medica*, **2018**, 53, 145-152	2.7	3
69	Remote beam output audits: a global assessment of results out of tolerance. *Physics and Imaging in Radiation Oncology*, **2018**, 7, 39-44	3.1	9

68	Long-term outcomes of intensity-modulated radiotherapy following extra-pleural pneumonectomy for malignant pleural mesothelioma. *Acta Oncologica*, **2017**, 56, 957-962	3.2	4
67	Development of a four-dimensional Monte Carlo dose calculation system for real-time tumor-tracking irradiation with a gimbaled X-ray head. *Physica Medica*, **2017**, 35, 59-65	2.7	9
66	Impact of sampling interval in training data acquisition on intrafractional predictive accuracy of indirect dynamic tumor-tracking radiotherapy. *Medical Physics*, **2017**, 44, 3899-3908	4.4	4
65	Three-dimensional intrafractional internal target motions in accelerated partial breast irradiation using three-dimensional conformal external beam radiotherapy. *Radiotherapy and Oncology*, **2017**, 124, 118-123	5.3	5
64	Inter- and Intrafractional Variation in the 3-Dimensional Positions of Pancreatic Tumors Due to Respiration Under Real-Time Monitoring. *International Journal of Radiation Oncology Biology Physics* , **2017**, 98, 1204-1211	4	19
63	Use of a second-dose calculation algorithm to check dosimetric parameters for the dose distribution of a first-dose calculation algorithm for lung SBRT plans. *Physica Medica*, **2017**, 44, 86-95	2.7	9
62	Geometric and dosimetric quality assurance using logfiles and a 3D helical diode detector for Dynamic WaveArc. *Physica Medica*, **2017**, 43, 107-113	2.7	3
61	A virtual dosimetry audit - Towards transferability of gamma index analysis between clinical trial QA groups. *Radiotherapy and Oncology*, **2017**, 125, 398-404	5.3	9
60	Volumetric modulated Dynamic WaveArc therapy reduces the dose to the hippocampus in patients with pituitary adenomas and craniopharyngiomas. *Practical Radiation Oncology*, **2017**, 7, 382-387	2.8	9
59	Estimation of lung tumor position from multiple anatomical features on 4D-CT using multiple regression analysis. *Journal of Applied Clinical Medical Physics*, **2017**, 18, 36-42	2.3	3
58	Optimization of a newly defined target volume in fiducial marker-based dynamic tumor-tracking radiotherapy. *Physics and Imaging in Radiation Oncology*, **2017**, 4, 1-5	3.1	2
57	Dosimetric comparison of lung stereotactic body radiotherapy treatment plans using averaged computed tomography and end-exhalation computed tomography images: Evaluation of the effect of different dose-calculation algorithms and prescription methods. *Medical Dosimetry*, **2016**, 41, 305-309	1.3	6
56	Development of a gimbal-swing irradiation technique for uniform expanded-field, wedged-beam, and intensity-modulated radiation therapy. *Biomedical Physics and Engineering Express*, **2016**, 2, 065007	1.5	
55	Initial characterization, dosimetric benchmark and performance validation of Dynamic Wave Arc. *Radiation Oncology*, **2016**, 11, 63	4.2	19
54	Clinical effect of multileaf collimator width on the incidence of late rectal bleeding after high-dose intensity-modulated radiotherapy for localized prostate carcinoma. *International Journal of Clinical Oncology*, **2016**, 21, 156-61	4.2	4
53	An on-site audit system for dosimetry credentialing of intensity-modulated radiotherapy in Japanese Clinical Oncology Group (JCOG) clinical trials. *Physica Medica*, **2016**, 32, 987-91	2.7	18
52	Difference in dose-volumetric data between the analytical anisotropic algorithm, the dose-to-medium, and the dose-to-water reporting modes of the Acuros XB for lung stereotactic body radiation therapy. *Journal of Applied Clinical Medical Physics*, **2016**, 17, 341-347	2.3	15
51	Development of a four-axis moving phantom for patient-specific QA of surrogate signal-based tracking IMRT. *Medical Physics*, **2016**, 43, 6364	4.4	13

50	Multivariate analysis for the estimation of target localization errors in fiducial marker-based radiotherapy. *Medical Physics*, **2016**, 43, 1907	4.4	11
49	Technical Note: Introduction of variance component analysis to setup error analysis in radiotherapy. *Medical Physics*, **2016**, 43, 5195	4.4	3
48	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, 159-65	5.3	68
47	The accuracy of extracted target motion trajectories in four-dimensional cone-beam computed tomography for lung cancer patients. *Radiotherapy and Oncology*, **2016**, 121, 46-51	5.3	13
46	Influence of the correlation modeling period on the prediction accuracy of infrared marker-based dynamic tumor tracking using a gimbaled X-ray head. *Physica Medica*, **2015**, 31, 204-9	2.7	9
45	Effect of intrafractional prostate motion on simultaneous boost intensity-modulated radiotherapy to the prostate: a simulation study based on intrafractional motion in the prone position. *Medical Dosimetry*, **2015**, 40, 325-32	1.3	2
44	Baseline correction of a correlation model for improving the prediction accuracy of infrared marker-based dynamic tumor tracking. *Journal of Applied Clinical Medical Physics*, **2015**, 16, 4896	2.3	7
43	Interfraction positional variation in pancreatic tumors using daily breath-hold cone-beam computed tomography with visual feedback. *Journal of Applied Clinical Medical Physics*, **2015**, 16, 5123	2.3	10
42	Improvement of registration accuracy in accelerated partial breast irradiation using the point-based rigid-body registration algorithm for patients with implanted fiducial markers. *Medical Physics*, **2015**, 42, 1904-10	4.4	6
41	Commissioning and quality assurance of Dynamic WaveArc irradiation. *Journal of Applied Clinical Medical Physics*, **2015**, 16, 5080	2.3	10
40	Dosimetric evaluation of the Acuros XB algorithm for a 4 MV photon beam in head and neck intensity-modulated radiation therapy. *Journal of Applied Clinical Medical Physics*, **2015**, 16, 52-64	2.3	13
39	Long-term stability assessment of a 4D tumor tracking system integrated into a gimbaled linear accelerator. *Journal of Applied Clinical Medical Physics*, **2015**, 16, 373-380	2.3	8
38	Target localization errors from fiducial markers implanted around a lung tumor for dynamic tumor tracking. *Physica Medica*, **2015**, 31, 934-941	2.7	11
37	A multi-centre analysis of treatment procedures and error components in dynamic tumour tracking radiotherapy. *Radiotherapy and Oncology*, **2015**, 115, 412-8	5.3	5
36	Intra- and interfractional variations in geometric arrangement between lung tumours and implanted markers. *Radiotherapy and Oncology*, **2014**, 110, 523-8	5.3	29
35	Multivariate analysis of factors predicting prostate dose in intensity-modulated radiotherapy. *Medical Dosimetry*, **2014**, 39, 360-5	1.3	2
34	Evaluation of dynamic tumour tracking radiotherapy with real-time monitoring for lung tumours using a gimbal mounted linac. *Radiotherapy and Oncology*, **2014**, 112, 360-4	5.3	55
33	Accuracy of positional correction for the floor-mounted kV X-ray IGRT system in angled couch positions. *Radiological Physics and Technology*, **2014**, 7, 373-8	1.7	1

32	Intrafractional tracking accuracy in infrared marker-based hybrid dynamic tumour-tracking irradiation with a gimballed linac. *Radiotherapy and Oncology*, **2014**, 111, 301-5	5.3	24
31	Development of a dose verification system for Vero4DRT using Monte Carlo method. *Journal of Applied Clinical Medical Physics*, **2014**, 15, 4961	2.3	13
30	The impact of abdominal compression on outcome in patients treated with stereotactic body radiotherapy for primary lung cancer. *Journal of Radiation Research*, **2014**, 55, 934-9	2.4	13
29	Dosimetric comparison of Acuros XB, AAA, and XVMC in stereotactic body radiotherapy for lung cancer. *Medical Physics*, **2014**, 41, 081715	4.4	51
28	Evaluation of different set-up error corrections on dose-volume metrics in prostate IMRT using CBCT images. *Journal of Radiation Research*, **2014**, 55, 966-75	2.4	10
27	Multi-institutional comparison of treatment planning using stereotactic ablative body radiotherapy for hepatocellular carcinoma - benchmark for a prospective multi-institutional study. *Radiation Oncology*, **2013**, 8, 113	4.2	14
26	Differences in dose-volumetric data between the analytical anisotropic algorithm and the x-ray voxel Monte Carlo algorithm in stereotactic body radiation therapy for lung cancer. *Medical Dosimetry*, **2013**, 38, 95-9	1.3	11
25	A feasibility study on reduction of the entrance-surface dose to neonates by use of a new digital mobile X-ray system. *Radiological Physics and Technology*, **2013**, 6, 157-61	1.7	3
24	Evaluation of 4D dose to a moving target with Monte Carlo dose calculation in stereotactic body radiotherapy for lung cancer. *Radiological Physics and Technology*, **2013**, 6, 233-40	1.7	5
23	Guidelines for respiratory motion management in radiation therapy. *Journal of Radiation Research*, **2013**, 54, 561-8	2.4	33
22	Differences in the dose-volume metrics with heterogeneity correction status and its influence on local control in stereotactic body radiation therapy for lung cancer. *Journal of Radiation Research*, **2013**, 54, 337-43	2.4	8
21	Interfraction variation in lung tumor position with abdominal compression during stereotactic body radiotherapy. *Medical Physics*, **2013**, 40, 091718	4.4	29
20	Predictive uncertainty in infrared marker-based dynamic tumor tracking with Vero4DRT. *Medical Physics*, **2013**, 40, 091705	4.4	36
19	Interfractional dose variations in the stomach and the bowels during breathhold intensity-modulated radiotherapy for pancreatic cancer: Implications for a dose-escalation strategy. *Medical Physics*, **2013**, 40, 021701	4.4	13
18	Effects of interportal error on dose distribution in patients undergoing breath-holding intensity-modulated radiotherapy for pancreatic cancer: evaluation of a new treatment planning method. *Journal of Applied Clinical Medical Physics*, **2013**, 14, 43-51	2.3	1
17	Accuracy verification of infrared marker-based dynamic tumor-tracking irradiation using the gimbaled x-ray head of the Vero4DRT (MHI-TM2000). *Medical Physics*, **2013**, 40, 041706	4.4	36
16	Effect of audio instruction on tracking errors using a four-dimensional image-guided radiotherapy system. *Journal of Applied Clinical Medical Physics*, **2013**, 14, 255-64	2.3	2
15	Experimental validation of heterogeneity-corrected dose-volume prescription on respiratory-averaged CT images in stereotactic body radiotherapy for moving tumors. *Medical Dosimetry*, **2012**, 37, 20-5	1.3	5

14	Interfractional dose variations in intensity-modulated radiotherapy with breath-hold for pancreatic cancer. *International Journal of Radiation Oncology Biology Physics*, **2012**, 82, 1619-26	4	11
13	Analysis of dosimetric parameters associated with acute gastrointestinal toxicity and upper gastrointestinal bleeding in locally advanced pancreatic cancer patients treated with gemcitabine-based concurrent chemoradiotherapy. *International Journal of Radiation Oncology Biology Physics*, **2012**, 84, 369-75	4	48
12	Dose--volume metrics associated with radiation pneumonitis after stereotactic body radiation therapy for lung cancer. *International Journal of Radiation Oncology Biology Physics*, **2012**, 83, e545-9	4	139
11	Optimization of the x-ray monitoring angle for creating a correlation model between internal and external respiratory signals. *Medical Physics*, **2012**, 39, 6309-15	4.4	10
10	Dosimetric investigation of breath-hold intensity-modulated radiotherapy for pancreatic cancer. *Medical Physics*, **2012**, 39, 48-54	4.4	4
9	Dosimetric evaluation of the impacts of different heterogeneity correction algorithms on target doses in stereotactic body radiation therapy for lung tumors. *Journal of Radiation Research*, **2012**, 53, 777-84	2.4	12
8	Positional accuracy of novel x-ray-image-based dynamic tumor-tracking irradiation using a gimbaled MV x-ray head of a Vero4DRT (MHI-TM2000). *Medical Physics*, **2012**, 39, 6287-96	4.4	21
7	Positional reproducibility of pancreatic tumors under end-exhalation breath-hold conditions using a visual feedback technique. *International Journal of Radiation Oncology Biology Physics*, **2011**, 79, 1565-71	4	40
6	Interfractional reproducibility in pancreatic position based on four-dimensional computed tomography. *International Journal of Radiation Oncology Biology Physics*, **2011**, 80, 1567-72	4	14
5	Dosimetric characterization of a multileaf collimator for a new four-dimensional image-guided radiotherapy system with a gimbaled x-ray head, MHI-TM2000. *Medical Physics*, **2010**, 37, 4684-91	4.4	40
4	Impact of motion velocity on four-dimensional target volumes: a phantom study. *Medical Physics*, **2009**, 36, 1610-7	4.4	40
3	Measurement of interfraction variations in position and size of target volumes in stereotactic body radiotherapy for lung cancer. *International Journal of Radiation Oncology Biology Physics*, **2009**, 75, 543-8	4	26
2	Effect of audio coaching on correlation of abdominal displacement with lung tumor motion. *International Journal of Radiation Oncology Biology Physics*, **2009**, 75, 558-63	4	19
1	Geometrical differences in target volumes between slow CT and 4D CT imaging in stereotactic body radiotherapy for lung tumors in the upper and middle lobe. *Medical Physics*, **2008**, 35, 4142-8	4.4	47