

Shinichi Shimizu

List of Publications by Year in descending order

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132
papers

6,957
citations

117625

34
h-index

58581

82
g-index

133
all docs

133
docs citations

133
times ranked

3572
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise and real-time measurement of 3D tumor motion in lung due to breathing and heartbeat, measured during radiotherapy. International Journal of Radiation Oncology Biology Physics, 2002, 53, 822-834.	0.8	1,251
2	Physical aspects of a real-time tumor-tracking system for gated radiotherapy. International Journal of Radiation Oncology Biology Physics, 2000, 48, 1187-1195.	0.8	603
3	Four-dimensional treatment planning and fluoroscopic real-time tumor tracking radiotherapy for moving tumor. International Journal of Radiation Oncology Biology Physics, 2000, 48, 435-442.	0.8	453
4	Prediction of respiratory tumour motion for real-time image-guided radiotherapy. Physics in Medicine and Biology, 2004, 49, 425-440.	3.0	349
5	Intrafractional tumor motion: lung and liver. Seminars in Radiation Oncology, 2004, 14, 10-18.	2.2	337
6	Tolerance of organs at risk in small-volume, hypofractionated, image-guided radiotherapy for primary and metastatic lung cancers. International Journal of Radiation Oncology Biology Physics, 2003, 56, 126-135.	0.8	263
7	Detection of lung tumor movement in real-time tumor-tracking radiotherapy. International Journal of Radiation Oncology Biology Physics, 2001, 51, 304-310.	0.8	258
8	Real-time tumour-tracking radiotherapy. Lancet, The, 1999, 353, 1331-1332.	13.7	256
9	Impact of respiratory movement on the computed tomographic images of small lung tumors in three-dimensional (3D) radiotherapy. International Journal of Radiation Oncology Biology Physics, 2000, 46, 1127-1133.	0.8	220
10	Use of an implanted marker and real-time tracking of the marker for the positioning of prostate and bladder cancers. International Journal of Radiation Oncology Biology Physics, 2000, 48, 1591-1597.	0.8	192
11	Three-dimensional intrafractional movement of prostate measured during real-time tumor-tracking radiotherapy in supine and prone treatment positions. International Journal of Radiation Oncology Biology Physics, 2002, 53, 1117-1123.	0.8	187
12	Registration accuracy and possible migration of internal fiducial gold marker implanted in prostate and liver treated with real-time tumor-tracking radiation therapy (RTRT). Radiotherapy and Oncology, 2002, 62, 275-281.	0.6	176
13	Insertion and fixation of fiducial markers for setup and tracking of lung tumors in radiotherapy. International Journal of Radiation Oncology Biology Physics, 2005, 63, 1442-1447.	0.8	159
14	Real-time tumor-tracking radiation therapy for lung carcinoma by the aid of insertion of a gold marker using bronchofiberscopy. Cancer, 2002, 95, 1720-1727.	4.1	157
15	Tumor location, cirrhosis, and surgical history contribute to tumor movement in the liver, as measured during stereotactic irradiation using a real-time tumor-tracking radiotherapy system. International Journal of Radiation Oncology Biology Physics, 2003, 56, 221-228.	0.8	123
16	Three-dimensional movement of a liver tumor detected by high-speed magnetic resonance imaging. Radiotherapy and Oncology, 1999, 50, 367-370.	0.6	95
17	Intrafractional Baseline Shift or Drift of Lung Tumor Motion During Gated Radiation Therapy With a Real-Time Tumor-Tracking System. International Journal of Radiation Oncology Biology Physics, 2016, 94, 172-180.	0.8	81
18	Clinical Outcomes of Stereotactic Body Radiotherapy for Small Lung Lesions Clinically Diagnosed as Primary Lung Cancer on Radiologic Examination. International Journal of Radiation Oncology Biology Physics, 2009, 75, 683-687.	0.8	72

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19	A Proton Beam Therapy System Dedicated to Spot-Scanning Increases Accuracy with Moving Tumors by Real-Time Imaging and Gating and Reduces Equipment Size. <i>PLoS ONE</i> , 2014, 9, e94971.	2.5	72
20	Real-time tumor-tracking radiotherapy for adrenal tumors. <i>Radiotherapy and Oncology</i> , 2008, 87, 418-424.	0.6	70
21	High-speed magnetic resonance imaging for four-dimensional treatment planning of conformal radiotherapy of moving body tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 48, 471-474.	0.8	69
22	Organ motion in image-guided radiotherapy: lessons from real-time tumor-tracking radiotherapy. <i>International Journal of Clinical Oncology</i> , 2007, 12, 8-16.	2.2	67
23	Real-time monitoring of a digestive tract marker to reduce adverse effects of moving organs at risk (OAR) in radiotherapy for thoracic and abdominal tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 1559-1564.	0.8	61
24	What is the appropriate size criterion for proton radiotherapy for hepatocellular carcinoma? A dosimetric comparison of spot-scanning proton therapy versus intensity-modulated radiation therapy. <i>Radiation Oncology</i> , 2013, 8, 48.	2.7	58
25	Projection-domain scatter correction for cone beam computed tomography using a residual convolutional neural network. <i>Medical Physics</i> , 2019, 46, 3142-3155.	3.0	55
26	Three-Dimensional Intrafractional Motion of Breast During Tangential Breast Irradiation Monitored With High-Sampling Frequency Using a Real-Time Tumor-Tracking Radiotherapy System. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 931-934.	0.8	53
27	Evaluation of the motion of lung tumors during stereotactic body radiation therapy (SBRT) with four-dimensional computed tomography (4DCT) using real-time tumor-tracking radiotherapy system (RTRT). <i>Physica Medica</i> , 2016, 32, 305-311.	0.7	48
28	Real-time radiotherapy for lung cancer. <i>Cancer Science</i> , 2012, 103, 1-6.	3.9	47
29	Reduction in Acute Morbidity Using Hypofractionated Intensity-Modulated Radiation Therapy Assisted with a Fluoroscopic Real-Time Tumor-Tracking System for Prostate Cancer. <i>Cancer Journal (Sudbury, Mass)</i> , 2014, 20, 314-317.	1.0	34
30	Stereotactic body radiotherapy using gated radiotherapy with real-time tumor-tracking for stage I non-small cell lung cancer. <i>Radiation Oncology</i> , 2013, 8, 69.	2.7	42
31	Patterns of proton therapy use in pediatric cancer management in 2016: An international survey. <i>Radiotherapy and Oncology</i> , 2019, 132, 155-161.	0.6	42
32	Multicenter prospective study of stereotactic body radiotherapy for previously untreated solitary primary hepatocellular carcinoma: The STRSPH study. <i>Hepatology Research</i> , 2021, 51, 461-471.	3.4	40
33	Can hybrid FDG-PET/CT detect subclinical lymph node metastasis of esophageal cancer appropriately and contribute to radiation treatment planning? A comparison of image-based and pathological findings. <i>International Journal of Clinical Oncology</i> , 2009, 14, 421-425.	2.2	39
34	Tracking errors in a prototype real-time tumour tracking system. <i>Physics in Medicine and Biology</i> , 2004, 49, 5347-5356.	3.0	36
35	Integration of a real-time tumor monitoring system into gated proton spot-scanning beam therapy: An initial phantom study using patient tumor trajectory data. <i>Medical Physics</i> , 2013, 40, 071729.	3.0	36
36	Efficacy of therapy for advanced hepatocellular carcinoma: Intra-arterial 5-fluorouracil and subcutaneous interferon with image-guided radiation. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2011, 26, 1123-1132.	2.8	34

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37	Required transition from research to clinical application: Report on the 4D treatment planning workshops 2014 and 2015. <i>Physica Medica</i> , 2016, 32, 874-882.	0.7	34
38	Challenges of radiotherapy: Report on the 4D treatment planning workshop 2013. <i>Physica Medica</i> , 2014, 30, 809-815.	0.7	32
39	Three-dimensional conformal setup (3D-CSU) of patients using the coordinate system provided by three internal fiducial markers and two orthogonal diagnostic X-ray systems in the treatment room. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 60, 607-612.	0.8	30
40	Impact of Real-Time Image Gating on Spot Scanning Proton Therapy for Lung Tumors: A Simulation Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 173-181.	0.8	29
41	Use of Implanted Markers and Interportal Adjustment With Real-Time Tracking Radiotherapy System to Reduce Intrafraction Prostate Motion. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, e393-e399.	0.8	28
42	Preliminary analysis for integration of spot-scanning proton beam therapy and real-time imaging and gating. <i>Physica Medica</i> , 2014, 30, 555-558.	0.7	28
43	Selection of external beam radiotherapy approaches for precise and accurate cancer treatment. <i>Journal of Radiation Research</i> , 2018, 59, i2-i10.	1.6	28
44	Biological effect of dose distortion by fiducial markers in spot-scanning proton therapy with a limited number of fields: A simulation study. <i>Medical Physics</i> , 2012, 39, 5584-5591.	3.0	26
45	Application of Real-Time Tumor-Tracking and Gated Radiotherapy System for Unresectable Pancreatic Cancer. <i>Yonsei Medical Journal</i> , 2004, 45, 584.	2.2	22
46	Early results of urethral dose reduction and small safety margin in intensity-modulated radiation therapy (IMRT) for localized prostate cancer using a real-time tumor-tracking radiotherapy (RTRT) system. <i>Radiation Oncology</i> , 2014, 9, 118.	2.7	22
47	Optimization of fluoroscopy parameters using pattern matching prediction in the real-time tumor-tracking radiotherapy system. <i>Physics in Medicine and Biology</i> , 2011, 56, 4803-4813.	3.0	21
48	Dose-volume analysis for respiratory toxicity in intrathoracic esophageal cancer patients treated with definitive chemoradiotherapy using extended fields. <i>Journal of Radiation Research</i> , 2013, 54, 1085-1094.	1.6	21
49	Lysosomal trafficking mediated by Arl8b and BORG promotes invasion of cancer cells that survive radiation. <i>Communications Biology</i> , 2020, 3, 620.	4.4	21
50	Co-Overexpression of GEP100 and AMAP1 Proteins Correlates with Rapid Local Recurrence after Breast Conservative Therapy. <i>PLoS ONE</i> , 2013, 8, e76791.	2.5	19
51	An analytical dose-averaged $\langle \text{LET} \rangle$ calculation algorithm considering the off-axis $\langle \text{LET} \rangle$ enhancement by secondary protons for spot-scanning proton therapy. <i>Medical Physics</i> , 2018, 45, 3404-3416.	3.0	19
52	Prognostic factors in clinical T1N0M0 thoracic esophageal squamous cell carcinoma invading the muscularis mucosa or submucosa. <i>Radiation Oncology</i> , 2016, 11, 84.	2.7	18
53	Optimization and evaluation of multiple gating beam delivery in a synchrotron-based proton beam scanning system using a real-time imaging technique. <i>Physica Medica</i> , 2016, 32, 932-937.	0.7	18
54	Development and evaluation of a short-range applicator for treating superficial moving tumors with respiratory-gated spot-scanning proton therapy using real-time image guidance. <i>Physics in Medicine and Biology</i> , 2016, 61, 1515-1531.	3.0	18

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55	The normal tissue complication probability model-based approach considering uncertainties for the selective use of radiation modality in primary liver cancer patients. <i>Radiotherapy and Oncology</i> , 2019, 135, 100-106.	0.6	18
56	Clinical practice vs. state-of-the-art research and future visions: Report on the 4D treatment planning workshop for particle therapy “Edition 2018 and 2019. <i>Physica Medica</i> , 2021, 82, 54-63.	0.7	18
57	Evaluation of inter-observer variability of bladder boundary delineation on cone-beam CT. <i>Radiation Oncology</i> , 2013, 8, 185.	2.7	16
58	NTCP modeling analysis of acute hematologic toxicity in whole pelvic radiation therapy for gynecologic malignancies “ A dosimetric comparison of IMRT and spot-scanning proton therapy (SSPT). <i>Physica Medica</i> , 2016, 32, 1095-1102.	0.7	16
59	Impact of organ motion on volumetric and dosimetric parameters in stomach lymphomas treated with intensity-modulated radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 78-86.	1.9	16
60	An integrated service digital network (ISDN)-based international telecommunication between Samsung Medical Center and Hokkaido University using telecommunication helped radiotherapy planning and information system (THERAPIS). <i>Radiotherapy and Oncology</i> , 2000, 56, 121-123.	0.6	15
61	Longitudinal comparison of quality of life after real-time tumor-tracking intensity-modulated radiation therapy and radical prostatectomy in patients with localized prostate cancer. <i>Journal of Radiation Research</i> , 2013, 54, 1095-1101.	1.6	15
62	Potential benefits of adaptive intensity-modulated proton therapy in nasopharyngeal carcinomas. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 174-183.	1.9	13
63	Remote verification in radiotherapy using digitally reconstructed radiography (DRR) and portal images: a pilot study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 50, 579-585.	0.8	12
64	Quantitative evaluation of image recognition performance of fiducial markers in real-time tumor-tracking radiation therapy. <i>Physica Medica</i> , 2019, 65, 33-39.	0.7	12
65	Dosimetric comparison between intensity-modulated radiotherapy and standard wedged tangential technique for whole-breast radiotherapy in Asian women with relatively small breast volumes. <i>Radiological Physics and Technology</i> , 2014, 7, 67-72.	1.9	11
66	The urethral position may shift due to urethral catheter placement in the treatment planning for prostate radiation therapy. <i>Radiation Oncology</i> , 2019, 14, 226.	2.7	11
67	Real-Time Tumor-Tracking Radiotherapy and General Stereotactic Body Radiotherapy for Adrenal Metastasis in Patients With Oligometastasis. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381880998.	1.9	10
68	Modified fast adaptive scatter kernel superposition (mfASKS) correction and its dosimetric impact on CBCT-based proton therapy dose calculation. <i>Medical Physics</i> , 2020, 47, 190-200.	3.0	10
69	High Dose Three-Dimensional Conformal Boost Using the Real-Time Tumor Tracking Radiotherapy System in Cervical Cancer Patients Unable to Receive Intracavitary Brachytherapy. <i>Yonsei Medical Journal</i> , 2010, 51, 93.	2.2	9
70	A motion-compensated image filter for low-dose fluoroscopy in a real-time tumor-tracking radiotherapy system. <i>Journal of Radiation Research</i> , 2015, 56, 186-196.	1.6	9
71	Lambda-Carrageenan Enhances the Effects of Radiation Therapy in Cancer Treatment by Suppressing Cancer Cell Invasion and Metastasis through Racgap1 Inhibition. <i>Cancers</i> , 2019, 11, 1192.	3.7	9
72	Analysis of treatment process time for real-time image gated spot-scanning proton beam therapy (RGPT) system. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 38-49.	1.9	9

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73	Analysis of inter- and intra fractional partial bladder wall movement using implanted fiducial markers. <i>Radiation Oncology</i> , 2017, 12, 44.	2.7	8
74	Present developments in reaching an international consensus for a model-based approach to particle beam therapy. <i>Journal of Radiation Research</i> , 2018, 59, i72-i76.	1.6	8
75	Prospective study to evaluate the safety of the world-first spot-scanning dedicated, small 360-degree gantry, synchrotron-based proton beam therapy system. <i>Journal of Radiation Research</i> , 2018, 59, i63-i71.	1.6	8
76	Percutaneous insertion of hepatic fiducial true-spherical markers for real-time adaptive radiotherapy. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2020, 29, 334-343.	1.2	8
77	Rab27b contributes to radioresistance and exerts a paracrine effect via epiregulin in glioblastoma. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa091.	0.7	8
78	Visualizing the urethra by magnetic resonance imaging without usage of a catheter for radiotherapy of prostate cancer. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 18, 1-4.	2.9	8
79	Treatment outcomes of stereotactic body radiation therapy using a real-time tumor-tracking radiotherapy system for hepatocellular carcinomas. <i>Hepatology Research</i> , 2021, 51, 870-879.	3.4	8
80	A New Brain Positron Emission Tomography Scanner With Semiconductor Detectors for Target Volume Delineation and Radiotherapy Treatment Planning in Patients With Nasopharyngeal Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e671-e676.	0.8	7
81	Prospective Phase II Study of Image-guided Local Boost Using a Real-time Tumor-tracking Radiotherapy (RTRT) System for Locally Advanced Bladder Cancer. <i>Japanese Journal of Clinical Oncology</i> , 2014, 44, 28-35.	1.3	6
82	Esophageal motion characteristics in thoracic esophageal cancer: Impact of clinical stage T4 versus stages T1-T3. <i>Advances in Radiation Oncology</i> , 2016, 1, 222-229.	1.2	5
83	A simulation study on the dosimetric benefit of real-time motion compensation in spot-scanning proton therapy for prostate. <i>Journal of Radiation Research</i> , 2017, 58, 591-597.	1.6	5
84	Clinical experience of craniospinal intensity-modulated spot-scanning proton therapy using large fields for central nervous system medulloblastomas and germ cell tumors in children, adolescents, and young adults. <i>Journal of Radiation Research</i> , 2019, 60, 527-537.	1.6	5
85	A Literature Review of Proton Beam Therapy for Prostate Cancer in Japan. <i>Journal of Clinical Medicine</i> , 2019, 8, 48.	2.4	5
86	Analysis of acute-phase toxicities of intensity-modulated proton therapy using a model-based approach in pharyngeal cancer patients. <i>Journal of Radiation Research</i> , 2021, 62, 329-337.	1.6	5
87	Assessing the uncertainty in a normal tissue complication probability difference ($\hat{\alpha}^{\dagger}$ NTCP): radiation-induced liver disease (RILD) in liver tumour patients treated with proton vs X-ray therapy. <i>Journal of Radiation Research</i> , 2018, 59, i50-i57.	1.6	4
88	Difference in LET _{eq} -based biological doses between IMPT optimization techniques: Robust and PTV _{95%} -based optimizations. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 42-50.	1.9	4
89	The impact of dose delivery time on biological effectiveness in proton irradiation with various biological parameters. <i>Medical Physics</i> , 2020, 47, 4644-4655.	3.0	4
90	Validation of dose distribution for liver tumors treated with real-time-image gated spot-scanning proton therapy by log data based dose reconstruction. <i>Journal of Radiation Research</i> , 2021, 62, 626-633.	1.6	4

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91	Prediction of target position from multiple fiducial markers by partial least squares regression in real-time tumor-tracking radiation therapy. <i>Journal of Radiation Research</i> , 2021, 62, 926-933.	1.6	4
92	Real-time CT image generation based on voxel-by-voxel modeling of internal deformation by utilizing the displacement of fiducial markers. <i>Medical Physics</i> , 2021, 48, 5311-5326.	3.0	4
93	Dose-Volume Analysis of Stereotactic Irradiation for Lung Tumors. <i>Journal of Radiosurgery</i> , 1999, 2, 239-245.	0.1	3
94	Investigation of energy absorption by clustered gold nanoparticles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 429, 34-41.	1.4	3
95	Quantitative analysis of treatments using real-time image gated spot-scanning with synchrotron-based proton beam therapy system log data. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 10-19.	1.9	3
96	The updated outcomes of bladder-preserving trimodal therapy using a real-time tumor-tracking radiotherapy system for patients with muscle-invasive bladder cancer. <i>Japanese Journal of Clinical Oncology</i> , 2020, 50, 609-616.	1.3	3
97	Calibrated uncertainty estimation for interpretable proton computed tomography image correction using Bayesian deep learning. <i>Physics in Medicine and Biology</i> , 2021, 66, 065029.	3.0	3
98	Baseline Shift of Intrafractional Lung Tumor Motion in Real-Time Tumor-Tracking Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, S67.	0.8	2
99	Use of 3-D Contrast-Enhanced Ultrasound to Evaluate Tumor Microvasculature After Nanoparticle-Mediated Modulation. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 369-376.	1.5	2
100	Construction of a detachable artificial trachea model for three age groups for use in an endotracheal suctioning training environment simulator. <i>PLoS ONE</i> , 2021, 16, e0249010.	2.5	2
101	Assessment of the confidence interval in the multivariable normal tissue complication probability model for predicting radiation-induced liver disease in primary liver cancer. <i>Journal of Radiation Research</i> , 2021, 62, 483-493.	1.6	2
102	Cost-effectiveness analysis using lifetime attributable risk of proton beam therapy for pediatric medulloblastoma in Japan. <i>Journal of Radiation Research</i> , 2021, , .	1.6	2
103	A treatment planning study of urethra-sparing intensity-modulated proton therapy for localized prostate cancer. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 20, 23-29.	2.9	2
104	Dosimetric advantages of daily adaptive strategy in IMPT for high-risk prostate cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2022, , e13531.	1.9	2
105	Decreasing Acute and Late Toxicity Using Urethral Dose Reduction and Smaller Safety Margin Around CTV for Prostate Cancer Intensity Modulated Radiation Therapy (IMRT) With a Real-time Tumor-tracking (RTRT) System. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, S181.	0.8	1
106	Dynamic gating window technique for the reduction of dosimetric error in respiratory-gated spot-scanning particle therapy: An initial phantom study using patient tumor trajectory data. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 13-21.	1.9	1
107	MO-F-213AB-04: Biological Effect of Dose Shadowing by Fiducial Markers in Spot Scanning Proton Therapy with a Limited Number of Fields. <i>Medical Physics</i> , 2012, 39, 3872-3872.	3.0	1
108	SU-D-BRE-02: Development and Commissioning of A Gated Spot Scanning Proton Beam Therapy System with Real-Time Tumor-Tracking. <i>Medical Physics</i> , 2014, 41, 111-112.	3.0	1

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109	Real-time monitoring of a digestive-tract marker to reduce adverse effects of moving organs at risk (OAR) in radiotherapy for thoracic and abdominal tumors. International Journal of Radiation Oncology Biology Physics, 2004, 60, S414-S414.	0.8	0
110	Esophageal carcinoma treated with nerve-sparing operation, intra-operative radiotherapy, and postoperative external radiotherapy. International Journal of Radiation Oncology Biology Physics, 2004, 60, S426-S426.	0.8	0
111	2717. International Journal of Radiation Oncology Biology Physics, 2006, 66, S608.	0.8	0
112	Feasibility Study of Real-Time Tumor-Tracking Radiotherapy for Adrenal Tumors: Three-Dimensional Movement of Internal Fiducial Gold Markers Measured in Supine and Prone Patient Positions. International Journal of Radiation Oncology Biology Physics, 2007, 69, S675.	0.8	0
113	A New Positron Emission Tomography with Semiconductor Detectors for Target Volume Delineation and Radiotherapy Treatment Planning in Patients with Nasopharyngeal Carcinoma. International Journal of Radiation Oncology Biology Physics, 2008, 72, S589-S590.	0.8	0
114	RTRT-based Evaluation of the Effectiveness of the Stereotactic Body Frame in Reducing Intrafraction Organ Motion. International Journal of Radiation Oncology Biology Physics, 2008, 72, S610-S611.	0.8	0
115	Can the Real-time Tumor-tracking Radiotherapy Give the Planned Dose to the Tumor? DVH Analysis Based on Measured Real-time Tracking Data. International Journal of Radiation Oncology Biology Physics, 2009, 75, S590-S591.	0.8	0
116	Improvement of tracking accuracy and stability by recursive image processing in real-time tumor-tracking radiotherapy system. , 2012, , .		0
117	Stereotactic Body Radiation Therapy (SBRT) Using Real-time Tracking Radiation Therapy (RTRT) System for Patients With Lung Cancer Aged 80+. International Journal of Radiation Oncology Biology Physics, 2012, 84, S575.	0.8	0
118	Interfractional Setup Error and Intrafractional Bladder Motion During Radiation Therapy for Bladder Tumors. International Journal of Radiation Oncology Biology Physics, 2012, 84, S769.	0.8	0
119	The Role of Spot Scanning Proton Therapy in the Treatment of Large Abdominal Tumors: A Comparative Planning Study of Hepatocellular Carcinoma. International Journal of Radiation Oncology Biology Physics, 2012, 84, S327-S328.	0.8	0
120	Realization of the Cone Beam CT by FPDs That Mounted on the Spot-Scanning Dedicated Proton Beam Gantry. International Journal of Radiation Oncology Biology Physics, 2014, 90, S920.	0.8	0
121	NTCP Modeling Analysis of Acute Hematologic Toxicity in Whole-Pelvic Radiation Therapy for Gynecologic Malignancies: A Dosimetric Comparison of IMRT and Spot-Scanning Proton Therapy. International Journal of Radiation Oncology Biology Physics, 2015, 93, E254.	0.8	0
122	Radiation Dose to Internal Mammary Lymph Node in Standard Tangential Breast Irradiation. International Journal of Radiation Oncology Biology Physics, 2016, 96, E17-E18.	0.8	0
123	Intensity-Modulated Proton Therapy with Dose Painting based on Hypoxia Imaging for Nasopharyngeal Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 102, e378.	0.8	0
124	Analysis of Beam Delivery Times and Dose Rates for the Treatment of Mobile Tumors Using Real Time Image Gated Spot-Scanning Proton Beam Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, S182-S183.	0.8	0
125	Prediction of liver Dmean for proton beam therapy using deep learning and contour-based data augmentation. Journal of Radiation Research, 2021, , .	1.6	0
126	SU-E-T-448: Effectiveness of An In-Gate Beam Tracking Method in Spot-Scanning Proton Therapy. Medical Physics, 2013, 40, 308-308.	3.0	0

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127	WE-D-17A-03: Improvement of Accuracy of Spot-Scanning Proton Beam Delivery for Liver Tumor by Real-Time Tumor-Monitoring and Gating System: A Simulation Study. <i>Medical Physics</i> , 2014, 41, 497-497.	3.0	0
128	Future of Stereotactic Irradiation "Dose Composition Radiotherapy (DCRT)". , 2015, , 239-250.		0
129	Real Time Tracking Radiotherapy (RTRT) System. , 2015, , 217-224.		0
130	Bladder-preserving therapy using a real-time tumor-tracking radiotherapy system for muscle-invasive bladder cancer.. <i>Journal of Clinical Oncology</i> , 2019, 37, 364-364.	1.6	0
131	RONC-16. PROTON BEAM THERAPY FOR PATIENTS WITH INTRACRANIAL EPENDYMOMA UNDER 3 YEARS OLD: INITIAL CLINICAL OUTCOMES. <i>Neuro-Oncology</i> , 2020, 22, iii458-iii458.	1.2	0
132	Are simple verbal instructions sufficient to ensure that bladder volume does not deteriorate prostate position reproducibility during spot scanning proton therapy?. <i>BJR Open</i> , 2021, 3, .	0.6	0