

# Laurence Court

## List of Publications by Year in descending order

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197  
papers

8,366  
citations

66250

44  
h-index

64407

83  
g-index

205  
all docs

205  
docs citations

205  
times ranked

8786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Auto-contouring for Image-Guidance and Treatment Planning. , 2022, , 231-293.		3
2	Using Failure Mode and Effects Analysis to Evaluate Risk in the Clinical Adoption of Automated Contouring and Treatment Planning Tools. Practical Radiation Oncology, 2022, 12, e344-e353.	1.1	15
3	Knowledge-based planning for the radiation therapy treatment plan quality assurance for patients with head and neck cancer. Journal of Applied Clinical Medical Physics, 2022, 23, e13614.	0.8	11
4	Barriers and Facilitators of Implementing Automated Radiotherapy Planning: A Multisite Survey of Low- and Middle-Income Country Radiation Oncology Providers. JCO Global Oncology, 2022, 8, e2100431.	0.8	4
5	Automatic contouring QA method using a deep learning-based autocontouring system. Journal of Applied Clinical Medical Physics, 2022, 23, e13647.	0.8	14
6	Automatic Segmentation Using Deep Learning to Enable Online Dose Optimization During Adaptive Radiation Therapy of Cervical Cancer. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1096-1110.	0.4	50
7	Generating High-Quality Lymph Node Clinical Target Volumes for Head and Neck Cancer Radiation Therapy Using a Fully Automated Deep Learning-Based Approach. International Journal of Radiation Oncology Biology Physics, 2021, 109, 801-812.	0.4	49
8	The Emergence of Artificial Intelligence within Radiation Oncology Treatment Planning. Oncology, 2021, 99, 124-134.	0.9	28
9	A Bi-directional, Multi-modality Framework for Segmentation of Brain Structures. Lecture Notes in Computer Science, 2021, , 49-57.	1.0	2
10	Radiomics feature robustness as measured using an MRI phantom. Scientific Reports, 2021, 11, 3973.	1.6	45
11	Training deep learning segmentation models from severely limited data. Medical Physics, 2021, 48, 1697-1706.	1.6	10
12	Tissue-specific deformable image registration using a spatial-contextual filter. Computerized Medical Imaging and Graphics, 2021, 88, 101849.	3.5	3
13	Impact of slice thickness, pixel size, and CT dose on the performance of automatic contouring algorithms. Journal of Applied Clinical Medical Physics, 2021, 22, 168-174.	0.8	23
14	Computed Tomography Radiomics Kinetics as Early Imaging Correlates of Osteoradionecrosis in Oropharyngeal Cancer Patients. Frontiers in Artificial Intelligence, 2021, 4, 618469.	2.0	8
15	Beam energy metrics for the acceptance and quality assurance of Halcyon linear accelerator. Journal of Applied Clinical Medical Physics, 2021, 22, 121-127.	0.8	4
16	Clinical Acceptability of Automated Radiation Treatment Planning for Head and Neck Cancer Using the Radiation Planning Assistant. Practical Radiation Oncology, 2021, 11, 177-184.	1.1	22
17	Technical Note: Dose prediction for head and neck radiotherapy using a three-dimensional dense dilated U-net architecture. Medical Physics, 2021, 48, 5567-5573.	1.6	43
18	Development and dosimetric assessment of an automatic dental artifact classification tool to guide artifact management techniques in a fully automated treatment planning workflow. Computerized Medical Imaging and Graphics, 2021, 90, 101907.	3.5	7

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19	18FDG positron emission tomography mining for metabolic imaging biomarkers of radiation-induced xerostomia in patients with oropharyngeal cancer. <i>Clinical and Translational Radiation Oncology</i> , 2021, 29, 93-101.	0.9	6
20	Clinical implementation of automated treatment planning for whole-brain radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 94-102.	0.8	9
21	Our Experience Leading a Large Medical Physics Practice During the COVID-19 Pandemic. <i>Advances in Radiation Oncology</i> , 2021, 6, 100683.	0.6	4
22	Accelerated Hypofractionated Image-Guided vs Conventional Radiotherapy for Patients With Stage II/III Non-Small Cell Lung Cancer and Poor Performance Status. <i>JAMA Oncology</i> , 2021, 7, 1497.	3.4	45
23	Radiomics feature stability of open-source software evaluated on apparent diffusion coefficient maps in head and neck cancer. <i>Scientific Reports</i> , 2021, 11, 17633.	1.6	25
24	Radiation therapy related cardiac disease risk in childhood cancer survivors: Updated dosimetry analysis from the Childhood Cancer Survivor Study. <i>Radiotherapy and Oncology</i> , 2021, 163, 199-208.	0.3	17
25	Radiotherapy Planning and Peer Review in Sub-Saharan Africa: A Needs Assessment and Feasibility Study of Cloud-Based Technology to Enable Remote Peer Review and Training. <i>JCO Global Oncology</i> , 2021, 7, 10-16.	0.8	10
26	Stability analysis of CT radiomic features with respect to segmentation variation in oropharyngeal cancer. <i>Clinical and Translational Radiation Oncology</i> , 2020, 21, 11-18.	0.9	22
27	Automated Radiation Treatment Planning for Cervical Cancer. <i>Seminars in Radiation Oncology</i> , 2020, 30, 340-347.	1.0	21
28	Automatic contouring system for cervical cancer using convolutional neural networks. <i>Medical Physics</i> , 2020, 47, 5648-5658.	1.6	43
29	Development and application of an elastic net logistic regression model to investigate the impact of cardiac substructure dose on radiation-induced pericardial effusion in patients with NSCLC. <i>Acta Oncologica</i> , 2020, 59, 1193-1200.	0.8	6
30	Automatic Verification of Beam Apertures for Cervical Cancer Radiation Therapy. <i>Practical Radiation Oncology</i> , 2020, 10, e415-e424.	1.1	13
31	Evaluation of a multiview architecture for automatic vertebral labeling of palliative radiotherapy simulation CT images. <i>Medical Physics</i> , 2020, 47, 5592-5608.	1.6	12
32	Development and validation of an age-scalable cardiac model with substructures for dosimetry in late-effects studies of childhood cancer survivors. <i>Radiotherapy and Oncology</i> , 2020, 153, 163-171.	0.3	7
33	Multi-energy computed tomography and material quantification: Current barriers and opportunities for advancement. <i>Medical Physics</i> , 2020, 47, 3752-3771.	1.6	14
34	Optimization of autogenerated chest-wall radiation treatment plans developed for postmastectomy breast cancer patients in underserved clinics. <i>Medical Dosimetry</i> , 2020, 45, 102-107.	0.4	3
35	Radiation Sciences Education in Africa: An Assessment of Current Training Practices and Evaluation of a High-Yield Course in Radiation Biology and Radiation Physics. <i>JCO Global Oncology</i> , 2020, 6, 1631-1638.	0.8	7
36	Experience in commissioning the halcyon linac. <i>Medical Physics</i> , 2019, 46, 4304-4313.	1.6	35

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37	Dosimetric impact and detectability of multi-leaf collimator positioning errors on Varian Halcyon. Journal of Applied Clinical Medical Physics, 2019, 20, 47-55.	0.8	14
38	Protocol-in-a-Day Workshop: A Lean Approach to Clinical Trial Development and Focus on Junior Faculty Development. Advances in Radiation Oncology, 2019, 4, 439-442.	0.6	0
39	Acceptance and verification of the Halcyon-Eclipse linear accelerator treatment planning system without 3D water scanning system. Journal of Applied Clinical Medical Physics, 2019, 20, 111-117.	0.8	22
40	Automatic detection of contouring errors using convolutional neural networks. Medical Physics, 2019, 46, 5086-5097.	1.6	72
41	Technical Note: Proof of concept for radiomics-based quality assurance for computed tomography. Journal of Applied Clinical Medical Physics, 2019, 20, 199-205.	0.8	8
42	Effects of alterations in positron emission tomography imaging parameters on radiomics features. PLoS ONE, 2019, 14, e0221877.	1.1	11
43	Radiomics features of the primary tumor fail to improve prediction of overall survival in large cohorts of CT- and PET-imaged head and neck cancer patients. PLoS ONE, 2019, 14, e0222509.	1.1	56
44	Automated treatment planning of postmastectomy radiotherapy. Medical Physics, 2019, 46, 3767-3775.	1.6	27
45	Advances in Auto-Segmentation. Seminars in Radiation Oncology, 2019, 29, 185-197.	1.0	252
46	A risk assessment of automated treatment planning and recommendations for clinical deployment. Medical Physics, 2019, 46, 2567-2574.	1.6	23
47	Dosimetric impact of esophagus motion in single fraction spine stereotactic body radiotherapy. Physics in Medicine and Biology, 2019, 64, 115010.	1.6	4
48	Automatic detection of graticule isocenter and scale from kV and MV images. Journal of Applied Clinical Medical Physics, 2019, 20, 18-28.	0.8	2
49	Fully Automatic Treatment Planning for External-Beam Radiation Therapy of Locally Advanced Cervical Cancer: A Tool for Low-Resource Clinics. Journal of Global Oncology, 2019, 5, 1-9.	0.5	31
50	Technical Note: Density correction to improve CT number mapping in thoracic deformable image registration. Medical Physics, 2019, 46, 2330-2336.	1.6	4
51	A PET Radiomics Model to Predict Refractory Mediastinal Hodgkin Lymphoma. Scientific Reports, 2019, 9, 1322.	1.6	62
52	Matching and Homogenizing Convolution Kernels for Quantitative Studies in Computed Tomography. Investigative Radiology, 2019, 54, 288-295.	3.5	19
53	Imaging-Genomic Study of Head and Neck Squamous Cell Carcinoma: Associations Between Radiomic Phenotypes and Genomic Mechanisms via Integration of The Cancer Genome Atlas and The Cancer Imaging Archive. JCO Clinical Cancer Informatics, 2019, 3, 1-9.	1.0	43
54	Calibration strategies for use of the nanoDot OSLD in CT applications. Journal of Applied Clinical Medical Physics, 2019, 20, 331-339.	0.8	6

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55	Automatic segmentation of cardiac substructures from noncontrast CT images: accurate enough for dosimetric analysis?. Acta Oncol <sup>3</sup> gica, 2019, 58, 81-87.	0.8	18
56	A pilot course of intensive training in radiation biology and physics for oncologists in sub-Saharan Africa.. Journal of Global Oncology, 2019, 5, 24-24.	0.5	0
57	Normal tissue doses from MV imageâ€guided radiation therapy (<scp>IGRT</scp>) using orthogonal <scp>MV</scp> and <scp>MV</scp>â€<scp>CBCT</scp>. Journal of Applied Clinical Medical Physics, 2018, 19, 52-57.	0.8	21
58	Illustrated instructions for mechanical quality assurance of a medical linear accelerator. Journal of Applied Clinical Medical Physics, 2018, 19, 355-359.	0.8	2
59	Interplay effect on a 6-MV flattening-filter-free linear accelerator with high dose rate and fast multi-leaf collimator motion treating breast and lung phantoms. Medical Physics, 2018, 45, 2369-2376.	1.6	20
60	Effect of tube current on computed tomography radiomic features. Scientific Reports, 2018, 8, 2354.	1.6	94
61	Guidelines and Experience Using Imaging Biomarker Explorer (IBEX) for Radiomics. Journal of Visualized Experiments, 2018, , .	0.2	19
62	Development of an Immune-Pathology Informed Radiomics Model for Non-Small Cell Lung Cancer. Scientific Reports, 2018, 8, 1922.	1.6	108
63	Development and Validation of a Predictive Radiomics Model for Clinical Outcomes in Stage I Non-small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1090-1097.	0.4	56
64	Radiation Planning Assistant - A Streamlined, Fully Automated Radiotherapy Treatment Planning System. Journal of Visualized Experiments, 2018, , .	0.2	35
65	A methodology to investigate the impact of image distortions on the radiation dose when using magnetic resonance images for planning. Physics in Medicine and Biology, 2018, 63, 085005.	1.6	17
66	Deep Learning Algorithm for Auto-Delineation of High-Risk Oropharyngeal Clinical Target Volumes With Built-In Dice Similarity Coefficient Parameter Optimization Function. International Journal of Radiation Oncology Biology Physics, 2018, 101, 468-478.	0.4	118
67	A predictive model for distinguishing radiation necrosis from tumour progression after gamma knife radiosurgery based on radiomic features from MR images. European Radiology, 2018, 28, 2255-2263.	2.3	121
68	Technical Note: Solving the â€Chinese postman problemâ€for effective contour deformation. Medical Physics, 2018, 45, 767-772.	1.6	0
69	Developing and characterizing <scp>MR</scp>/<scp>CT</scp>â€visible materials used in <scp>QA</scp> phantoms for <scp>MR</scp>g<scp>RT</scp> systems. Medical Physics, 2018, 45, 773-782.	1.6	27
70	Prognostic value of combining a quantitative image feature from positron emission tomography with clinical factors in oligometastatic non-small cell lung cancer. Radiotherapy and Oncology, 2018, 126, 362-367.	0.3	25
71	Retrospective Validation and Clinical Implementation of Automated Contouring of Organs at Risk in the Head and Neck: A Step Toward Automated Radiation Treatment Planning for Low- and Middle-Income Countries. Journal of Global Oncology, 2018, 4, 1-11.	0.5	34
72	Radiation-induced lung toxicity in mice irradiated in a strong magnetic field. PLoS ONE, 2018, 13, e0205803.	1.1	3

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73	Auto-delineation of oropharyngeal clinical target volumes using 3D convolutional neural networks. <i>Physics in Medicine and Biology</i> , 2018, 63, 215026.	1.6	51
74	A snapshot of medical physics practice patterns. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 306-315.	0.8	22
75	Lung tumor segmentation methods: Impact on the uncertainty of radiomics features for non-small cell lung cancer. <i>PLoS ONE</i> , 2018, 13, e0205003.	1.1	63
76	Practical guidelines for handling head and neck computed tomography artifacts for quantitative image analysis. <i>Computerized Medical Imaging and Graphics</i> , 2018, 69, 134-139.	3.5	29
77	Comprehensive Investigation on Controlling for CT Imaging Variabilities in Radiomics Studies. <i>Scientific Reports</i> , 2018, 8, 13047.	1.6	89
78	DNA repair capacity correlates with standardized uptake values from 18 F-fluorodeoxyglucose positron emission tomography/CT in patients with advanced non-small-cell lung cancer. <i>Chronic Diseases and Translational Medicine</i> , 2018, 4, 109-116.	0.9	1
79	Synthetic head and neck and phantom images for determining deformable image registration accuracy in magnetic resonance imaging. <i>Medical Physics</i> , 2018, 45, 4315-4321.	1.6	4
80	The utility of quantitative <sc>CT</sc> radiomics features for improved prediction of radiation pneumonitis. <i>Medical Physics</i> , 2018, 45, 5317-5324.	1.6	81
81	Independent validation of machine performance check for the Halcyon and TrueBeam linacs for daily quality assurance. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 375-382.	0.8	31
82	Machine Learning Applications in Head and Neck Radiation Oncology: Lessons From Open-Source Radiomics Challenges. <i>Frontiers in Oncology</i> , 2018, 8, 294.	1.3	37
83	Quantitative image feature variability amongst CT scanners with a controlled scan protocol. , 2018, , .		4
84	An imaging/biology correlation study between radiomics features and anaplastic lymphoma kinase (ALK) mutational status in a uniform Chinese cohort of locally advanced lung adenocarcinomas.. <i>Journal of Clinical Oncology</i> , 2018, 36, e20540-e20540.	0.8	0
85	Intrinsic dependencies of <sc>CT</sc> radiomic features on voxel size and number of gray levels. <i>Medical Physics</i> , 2017, 44, 1050-1062.	1.6	428
86	Can cost make a difference dosimetrically? Volumetric modulated arc therapy study for multileaf collimators of various widths for head and neck and prostate cancers. <i>Medical Dosimetry</i> , 2017, 42, 12-17.	0.4	0
87	Delta-radiomics features for the prediction of patient outcomes in non-small cell lung cancer. <i>Scientific Reports</i> , 2017, 7, 588.	1.6	254
88	Accuracy of deformable image registration on magnetic resonance images in digital and physical phantoms. <i>Medical Physics</i> , 2017, 44, 5153-5161.	1.6	22
89	The influence of non-rigid anatomy and patient positioning on endoscopy-CT image registration in the head and neck. <i>Medical Physics</i> , 2017, 44, 4159-4168.	1.6	3
90	Cost-effective immobilization for whole brain radiation therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 116-122.	0.8	6

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91	Cardiac atlas development and validation for automatic segmentation of cardiac substructures. <i>Radiotherapy and Oncology</i> , 2017, 122, 66-71.	0.3	76
92	Radiomics predicts clinical outcome in primary gastroesophageal junction adenocarcinoma treated by chemo/radiotherapy and surgery. <i>Physics and Imaging in Radiation Oncology</i> , 2017, 3, 37-42.	1.2	10
93	An <sc>FMEA</sc> evaluation of intensity modulated radiation therapy dose delivery failures at tolerance criteria levels. <i>Medical Physics</i> , 2017, 44, 5575-5583.	1.6	17
94	A Novel Methodology using CT Imaging Biomarkers to Quantify Radiation Sensitivity in the Esophagus with Application to Clinical Trials. <i>Scientific Reports</i> , 2017, 7, 6034.	1.6	15
95	Precision of quantitative computed tomography texture analysis using image filtering. <i>Medicine (United States)</i> , 2017, 96, e6993.	0.4	49
96	Differences in Normal Tissue Response in the Esophagus Between Proton and Photon Radiation Therapy for Non-Small Cell Lung Cancer Using InVivo Imaging Biomarkers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 1013-1020.	0.4	5
97	The value of 18F-FDG PET before and after induction chemotherapy for the early prediction of a poor pathologic response to subsequent preoperative chemoradiotherapy in oesophageal adenocarcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 71-80.	3.3	30
98	Atlas ranking and selection for automatic segmentation of the esophagus from CT scans. <i>Physics in Medicine and Biology</i> , 2017, 62, 9140-9158.	1.6	28
99	The feasibility of endoscopy-CT image registration in the head and neck without prospective endoscope tracking. <i>PLoS ONE</i> , 2017, 12, e0177886.	1.1	4
100	Model for Estimating Power and Downtime Effects on Teletherapy Units in Low-Resource Settings. <i>Journal of Global Oncology</i> , 2017, 3, 563-571.	0.5	9
101	Reproducibility of patient setup in the seated treatment position: A novel treatment chair design. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 223-229.	0.8	23
102	Harmonizing the pixel size in retrospective computed tomography radiomics studies. <i>PLoS ONE</i> , 2017, 12, e0178524.	1.1	127
103	Development and validation of a rapid and robust method to determine visceral adipose tissue volume using computed tomography images. <i>PLoS ONE</i> , 2017, 12, e0183515.	1.1	18
104	Learning anatomy changes from patient populations to create artificial CT images for voxel-level validation of deformable image registration. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 246-258.	0.8	14
105	Perturbation of water-equivalent thickness as a surrogate for respiratory motion in proton therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 368-378.	0.8	19
106	Potential Use of 18F-fluorodeoxyglucose Positron Emission Tomography-Based Quantitative Imaging Features for Guiding Dose Escalation in Stage III Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 368-376.	0.4	13
107	18F-Fluorodeoxyglucose Positron Emission Tomography Can Quantify and Predict Esophageal Injury During Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 670-678.	0.4	17
108	Objectively Quantifying Radiation Esophagitis With Novel Computed Tomography-Based Metrics. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 385-393.	0.4	15

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109	Uncertainty analysis of quantitative imaging features extracted from contrast-enhanced CT in lung tumors. <i>Computerized Medical Imaging and Graphics</i> , 2016, 48, 1-8.	3.5	36
110	The Incremental Value of Subjective and Quantitative Assessment of <sup>18</sup> F-FDG PET for the Prediction of Pathologic Complete Response to Preoperative Chemoradiotherapy in Esophageal Cancer. <i>Journal of Nuclear Medicine</i> , 2016, 57, 691-700.	2.8	99
111	NSCLC tumor shrinkage prediction using quantitative image features. <i>Computerized Medical Imaging and Graphics</i> , 2016, 49, 29-36.	3.5	19
112	Stage III Non-Small Cell Lung Cancer: Prognostic Value of FDG PET Quantitative Imaging Features Combined with Clinical Prognostic Factors. <i>Radiology</i> , 2016, 278, 214-222.	3.6	71
113	Computational resources for radiomics. <i>Translational Cancer Research</i> , 2016, 5, 340-348.	0.4	56
114	The emerging field of radiomics in esophageal cancer: current evidence and future potential. <i>Translational Cancer Research</i> , 2016, 5, 410-423.	0.4	31
115	Impact of image preprocessing on the volume dependence and prognostic potential of radiomics features in non-small cell lung cancer. <i>Translational Cancer Research</i> , 2016, 5, 349-363.	0.4	87
116	Radiomics in cancer diagnosis, cancer staging, and prediction of response to treatment. <i>Translational Cancer Research</i> , 2016, 5, 337-339.	0.4	9
117	Evaluation of intrinsic respiratory signal determination methods for 4D CBCT adapted for mice. <i>Medical Physics</i> , 2015, 42, 154-164.	1.6	2
118	Characterization of the nanoDot OSLD dosimeter in CT. <i>Medical Physics</i> , 2015, 42, 1797-1807.	1.6	43
119	Can radiomics features be reproducibly measured from CBCT images for patients with non-small cell lung cancer?. <i>Medical Physics</i> , 2015, 42, 6784-6797.	1.6	142
120	Development of a video image-based QA system for the positional accuracy of dynamic tumor tracking irradiation in the Vero4DRT system. <i>Medical Physics</i> , 2015, 42, 4745-4754.	1.6	4
121	Estimation of daily interfractional larynx residual setup error after isocentric alignment for head and neck radiotherapy: quality assurance implications for target volume and organs-at-risk margination using daily CT on-rails imaging. <i>Journal of Applied Clinical Medical Physics</i> , 2015, 16, 159-169.	0.8	13
122	Measuring Computed Tomography Scanner Variability of Radiomics Features. <i>Investigative Radiology</i> , 2015, 50, 757-765.	3.5	519
123	Stromal Cells Derived from Visceral and Obese Adipose Tissue Promote Growth of Ovarian Cancers. <i>PLoS ONE</i> , 2015, 10, e0136361.	1.1	35
124	Digital reconstruction of high-quality daily 4D cone-beam CT images using prior knowledge of anatomy and respiratory motion. <i>Computerized Medical Imaging and Graphics</i> , 2015, 40, 30-38.	3.5	7
125	Potential for Information and Communication Technologies to Catalyze Global Collaborations in Radiation Oncology. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 444-447.	0.4	20
126	ibex: An open infrastructure software platform to facilitate collaborative work in radiomics. <i>Medical Physics</i> , 2015, 42, 1341-1353.	1.6	274



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127	Quality Assurance Assessment of Diagnostic and Radiation Therapyâ€”Simulation CT Image Registration for Head and Neck Radiation Therapy: Anatomic Region of Interestâ€”based Comparison of Rigid and Deformable Algorithms. <i>Radiology</i> , 2015, 274, 752-763.	3.6	58
128	Preliminary investigation into sources of uncertainty in quantitative imaging features. <i>Computerized Medical Imaging and Graphics</i> , 2015, 44, 54-61.	3.5	77
129	Acute Tumor Lactate Perturbations as a Biomarker of Genotoxic Stress: Development of a Biochemical Model. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 2901-2908.	1.9	17
130	Technical Note: A Monte Carlo study of magneticâ€”fieldâ€”induced radiation dose effects in mice. <i>Medical Physics</i> , 2015, 42, 5510-5516.	1.6	13
131	3D-Printed Small-Animal Immobilizer for Use in Preclinical Radiotherapy. <i>Journal of the American Association for Laboratory Animal Science</i> , 2015, 54, 545-8.	0.6	10
132	Evaluation of Hyperpolarized [1-13C]-Pyruvate by Magnetic Resonance to Detect Ionizing Radiation Effects in Real Time. <i>PLoS ONE</i> , 2014, 9, e87031.	1.1	36
133	Motion of the Esophagus Due to Cardiac Motion. <i>PLoS ONE</i> , 2014, 9, e89126.	1.1	18
134	Intra-tumoral heterogeneity of gemcitabine delivery and mass transport in human pancreatic cancer. <i>Physical Biology</i> , 2014, 11, 065002.	0.8	32
135	Upright cone beam CT imaging using the onboard imager. <i>Medical Physics</i> , 2014, 41, 061906.	1.6	9
136	Forecasting longitudinal changes in oropharyngeal tumor morphology throughout the course of head and neck radiation therapy. <i>Medical Physics</i> , 2014, 41, 081708.	1.6	2
137	Auto-segmentation of low-risk clinical target volume for head and neck radiation therapy. <i>Practical Radiation Oncology</i> , 2014, 4, e31-e37.	1.1	28
138	Predicting oropharyngeal tumor volume throughout the course of radiation therapy from pretreatment computed tomography data using general linear models. <i>Medical Physics</i> , 2014, 41, 051705.	1.6	5
139	Prognostic Value and Reproducibility of Pretreatment CT Texture Features in Stage III Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 834-842.	0.4	170
140	Advantages of simulating thoracic cancer patients in an upright position. <i>Practical Radiation Oncology</i> , 2014, 4, e53-e58.	1.1	35
141	Statistical Modeling Approach to Quantitative Analysis of Interobserver Variability in Breast Contouring. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 214-221.	0.4	22
142	Variable impact of intracavitary brachytherapy fractionation schedule on biologically effective dose to organs at risk in patients with cervical cancer. <i>Brachytherapy</i> , 2014, 13, 240-249.	0.2	1
143	A six-year review of more than 13,000 patient-specific IMRT QA results from 13 different treatment sites. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 196-206.	0.8	30
144	Modeling respiratory motion for reducing motion artifacts in 4D CT images. <i>Medical Physics</i> , 2013, 40, 041716.	1.6	47

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145	Effects of Respiratory Motion on Passively Scattered Proton Therapy Versus Intensity Modulated Photon Therapy for Stage III Lung Cancer: Are Proton Plans More Sensitive to Breathing Motion?. International Journal of Radiation Oncology Biology Physics, 2013, 87, 576-582.	0.4	35
146	Automatic contouring of brachial plexus using a multi-atlas approach for lung cancer radiation therapy. Practical Radiation Oncology, 2013, 3, e139-e147.	1.1	37
147	Four-Dimensional PET-CT in Radiation Oncology. PET Clinics, 2013, 8, 81-94.	1.5	1
148	Anisotropic Margin Expansions in 6 Anatomic Directions for Oropharyngeal Image Guided Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2013, 87, 596-601.	0.4	11
149	Statistical Assessment of Proton Treatment Plans Under Setup and Range Uncertainties. International Journal of Radiation Oncology Biology Physics, 2013, 86, 1007-1013.	0.4	53
150	High quality machine-robust image features: Identification in nonsmall cell lung cancer computed tomography images. Medical Physics, 2013, 40, 1219-16.	1.6	96
151	Demonstration of a software design and statistical analysis methodology with application to patient outcomes data sets. Medical Physics, 2013, 40, 1117-18.	1.6	3
152	Analysis of esophageal-comparing treatment plans for patients with high-grade esophagitis. Journal of Applied Clinical Medical Physics, 2013, 14, 163-170.	0.8	9
153	A technique to use CT images for <i>in vivo</i> detection and quantification of the spatial distribution of radiation-induced esophagitis. Journal of Applied Clinical Medical Physics, 2013, 14, 91-98.	0.8	14
154	A novel dose-based positioning method for CT image-guided proton therapy. Medical Physics, 2013, 40, 0517-14.	1.6	13
155	SU-E-I-58: Understanding Uncertainties in Quantitative Image Features Extracted From Contrast-Enhanced CT Images. Medical Physics, 2013, 40, 138-138.	1.6	0
156	Fast range-corrected proton dose approximation method using prior dose distribution. Physics in Medicine and Biology, 2012, 57, 3555-3569.	1.6	14
157	Using four-dimensional computed tomography images to optimize the internal target volume when using volume-modulated arc therapy to treat moving targets. Journal of Applied Clinical Medical Physics, 2012, 13, 181-188.	0.8	5
158	Evaluation of dose variation to normal and critical structures for lung hypofractionated stereotactic body radiation therapy. Practical Radiation Oncology, 2012, 2, e15-e21.	1.1	0
159	Assessment of shoulder position variation and its impact on IMRT and VMAT doses for head and neck cancer. Radiation Oncology, 2012, 7, 19.	1.2	34
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