

# Walter J Curran

## List of Publications by Year in descending order

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151  
papers

10,014  
citations

101543

36  
h-index

39675

94  
g-index

151  
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151  
docs citations

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times ranked

10837  
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning-based synthetic dual energy CT imaging from single energy CT for stopping power ratio calculation in proton radiation therapy. <i>British Journal of Radiology</i> , 2022, 95, 20210644.	2.2	9
2	Multi-organ auto-delineation in head-and-neck MRI for radiation therapy using regional convolutional neural network. <i>Physics in Medicine and Biology</i> , 2022, 67, 025006.	3.0	11
3	Surgical Outcomes for Early Stage Non-small Cell Lung Cancer at Facilities With Stereotactic Body Radiation Therapy Programs. <i>Chest</i> , 2022, 161, 833-844.	0.8	8
4	Biomechanically constrained non-rigid MR-TRUS prostate registration using deep learning based 3D point cloud matching. <i>Medical Image Analysis</i> , 2021, 67, 101845.	11.6	33
5	Deformable MR-CBCT prostate registration using biomechanically constrained deep learning networks. <i>Medical Physics</i> , 2021, 48, 253-263.	3.0	27
6	YAP1 Expression in SCLC Defines a Distinct Subtype With T-cell-Inflamed Phenotype. <i>Journal of Thoracic Oncology</i> , 2021, 16, 464-476.	1.1	93
7	A review on medical imaging synthesis using deep learning and its clinical applications. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 11-36.	1.9	139
8	Automatic quantification of myocardium and pericardial fat from coronary computed tomography angiography: a multicenter study. <i>European Radiology</i> , 2021, 31, 3826-3836.	4.5	6
9	Breast tumor segmentation in 3D automatic breast ultrasound using Mask scoring CNN. <i>Medical Physics</i> , 2021, 48, 204-214.	3.0	68
10	MRI classification using semantic random forest with auto-context model. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4753-4766.	2.0	1
11	Learning-Based Stopping Power Mapping on Dual-Energy CT for Proton Radiation Therapy. <i>International Journal of Particle Therapy</i> , 2021, 7, 46-60.	1.8	5
12	Thyroid gland delineation in noncontrast-enhanced CTs using deep convolutional neural networks. <i>Physics in Medicine and Biology</i> , 2021, 66, 055007.	3.0	3
13	Head-and-neck organs-at-risk auto-delineation using dual pyramid networks for CBCT-guided adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 045021.	3.0	29
14	Synthetic dual-energy CT for MRI-only based proton therapy treatment planning using label-GAN. <i>Physics in Medicine and Biology</i> , 2021, 66, 065014.	3.0	18
15	Immunomodulatory Low-Dose Whole-Lung Radiation for Patients with Coronavirus Disease 2019-Related Pneumonia. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 867-879.	0.8	42
16	Male pelvic CT multi-organ segmentation using synthetic MRI-aided dual pyramid networks. <i>Physics in Medicine and Biology</i> , 2021, 66, 085007.	3.0	9
17	Echocardiographic image multi-structure segmentation using CardiacSegNet. <i>Medical Physics</i> , 2021, 48, 2426-2437.	3.0	9
18	Automatic delineation of cardiac substructures using a region-based fully convolutional network. <i>Medical Physics</i> , 2021, 48, 2867-2876.	3.0	20

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19	Male pelvic multi-organ segmentation on transrectal ultrasound using anchor-free mask CNN. Medical Physics, 2021, 48, 3055-3064.	3.0	11
20	A review of deep learning based methods for medical image multi-organ segmentation. Physica Medica, 2021, 85, 107-122.	0.7	103
21	Head and neck multi-organ segmentation on dual-energy CT using dual pyramid convolutional neural networks. Physics in Medicine and Biology, 2021, 66, 115008.	3.0	9
22	Artificial intelligence in tumor subregion analysis based on medical imaging: A review. Journal of Applied Clinical Medical Physics, 2021, 22, 10-26.	1.9	15
23	Self-supervised learning for accelerated 3D high-resolution ultrasound imaging. Medical Physics, 2021, 48, 3916-3926.	3.0	7
24	Learning-based dose prediction for pancreatic stereotactic body radiation therapy using dual pyramid adversarial network. Physics in Medicine and Biology, 2021, 66, 125019.	3.0	12
25	Knowledge-based radiation treatment planning: A data-driven method survey. Journal of Applied Clinical Medical Physics, 2021, 22, 16-44.	1.9	43
26	Fully automated segmentation of brain tumor from multiparametric MRI using 3D context deep supervised U-Net. Medical Physics, 2021, 48, 4365-4374.	3.0	27
27	High through-plane resolution CT imaging with self-supervised deep learning. Physics in Medicine and Biology, 2021, 66, 145013.	3.0	8
28	Artificial Intelligence in Quantitative Ultrasound Imaging. Journal of Ultrasound in Medicine, 2021, , .	1.7	2
29	Automated delineation of head and neck organs at risk using synthetic MRI-aided mask scoring regional convolutional neural network. Medical Physics, 2021, 48, 5862-5873.	3.0	21
30	BRCA1 Protein Expression Predicts Survival in Glioblastoma Patients from an NRG Oncology RTOG Cohort. Oncology, 2021, 99, 580-588.	1.9	5
31	Deep learning-based thoracic CBCT correction with histogram matching. Biomedical Physics and Engineering Express, 2021, 7, 065040.	1.2	9
32	Synthetic CT-aided multiorgan segmentation for CBCT-guided adaptive pancreatic radiotherapy. Medical Physics, 2021, 48, 7063-7073.	3.0	8
33	Deep learning-based motion tracking using ultrasound images. Medical Physics, 2021, 48, 7747-7756.	3.0	12
34	Higher Radiation Dose to the Immune Cells Correlates with Worse Tumor Control and Overall Survival in Patients with Stage III NSCLC: A Secondary Analysis of RTOG0617. Cancers, 2021, 13, 6193.	3.7	39
35	A learning-based automatic segmentation and quantification method on left ventricle in gated myocardial perfusion SPECT imaging: A feasibility study. Journal of Nuclear Cardiology, 2020, 27, 976-987.	2.1	72
36	Dosimetric Factors Related to Radiation Necrosis After 5-Fraction Radiosurgery for Patients With Resected Brain Metastases. Practical Radiation Oncology, 2020, 10, 36-43.	2.1	14

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37	Survival outcomes in patients with gastric and gastroesophageal junction adenocarcinomas treated with perioperative chemotherapy with or without preoperative radiotherapy. <i>Cancer</i> , 2020, 126, 37-45.	4.1	11
38	Reduced volume tumor bed boost is not associated with inferior local control and survival outcomes in high risk medulloblastoma. <i>Pediatric Blood and Cancer</i> , 2020, 67, e28027.	1.5	3
39	Survival advantage of chemoradiotherapy in anaplastic thyroid carcinoma: Propensity score matched analysis with multiple subgroups. <i>Head and Neck</i> , 2020, 42, 678-687.	2.0	8
40	CT prostate segmentation based on synthetic MRI aided deep attention fully convolution network. <i>Medical Physics</i> , 2020, 47, 530-540.	3.0	66
41	Multimodal MRI synthesis using unified generative adversarial networks. <i>Medical Physics</i> , 2020, 47, 6343-6354.	3.0	37
42	What happened to the US cancer cooperative groups? A status update ten years after the Institute of Medicine report. <i>Cancer</i> , 2020, 126, 5022-5029.	4.1	9
43	Tumor-draining lymph node is important for a robust abscopal effect stimulated by radiotherapy. , 2020, 8, e000867.		81
44	Low dose whole lung radiation for COVID-19 pneumonia: Planned day 7 interim analysis of a registered clinical trial. <i>Cancer</i> , 2020, 126, 5109-5113.	4.1	69
45	The Influence of Histologic Grade on Outcomes of Elderly Women With Early Stage Breast Cancer Treated With Breast Conserving Surgery With or Without Radiotherapy. <i>Clinical Breast Cancer</i> , 2020, 20, e701-e710.	2.4	7
46	Automated left ventricular myocardium segmentation using 3D deeply supervised attention U-net for coronary computed tomography angiography; CT myocardium segmentation. <i>Medical Physics</i> , 2020, 47, 1775-1785.	3.0	23
47	Head and neck multi-organ auto-segmentation on CT images aided by synthetic MRI. <i>Medical Physics</i> , 2020, 47, 4294-4302.	3.0	31
48	CT-based multi-organ segmentation using a 3D self-attention U-net network for pancreatic radiotherapy. <i>Medical Physics</i> , 2020, 47, 4316-4324.	3.0	35
49	Machine learning in quantitative PET: A review of attenuation correction and low-count image reconstruction methods. <i>Physica Medica</i> , 2020, 76, 294-306.	0.7	67
50	Moderately Hypofractionated Radiation for Benign Meningiomas and Schwannomas: A Report of 70 Patients Treated Between 2008 and 2018. <i>Advances in Radiation Oncology</i> , 2020, 5, 1147-1151.	1.2	1
51	Automatic multi-catheter detection using deeply supervised convolutional neural network in MRI-guided HDR prostate brachytherapy. <i>Medical Physics</i> , 2020, 47, 4115-4124.	3.0	24
52	Multi-needle Localization with Attention U-net in US-guided HDR Prostate Brachytherapy. <i>Medical Physics</i> , 2020, 47, 2735-2745.	3.0	30
53	CBCT-based synthetic CT generation using deep attention cycleGAN for pancreatic adaptive radiotherapy. <i>Medical Physics</i> , 2020, 47, 2472-2483.	3.0	113
54	Cone-beam CT derived relative stopping power map generation via deep learning for proton radiotherapy. <i>Medical Physics</i> , 2020, 47, 4416-4427.	3.0	21

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55	Lung Stereotactic Body Radiation Therapy and Concurrent Immunotherapy: A Multicenter Safety and Toxicity Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 304-313.	0.8	42
56	Impact of Sequencing Radiation Therapy and Immune Checkpoint Inhibitors in the Treatment of Melanoma Brain Metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 157-163.	0.8	25
57	Trimodality Therapy in the Treatment of Stage III N2-Positive Non-Small Cell Lung Cancer: A National Cancer Database Analysis. <i>Oncologist</i> , 2020, 25, e964-e975.	3.7	12
58	LungRegNet: An unsupervised deformable image registration method for 4D-CT lung. <i>Medical Physics</i> , 2020, 47, 1763-1774.	3.0	66
59	Optimal timing of chemoradiotherapy after surgical resection of glioblastoma: Stratification by validated prognostic classification. <i>Cancer</i> , 2020, 126, 3255-3264.	4.1	19
60	Genomic copy number variation correlates with survival outcomes in WHO grade IV glioma. <i>Scientific Reports</i> , 2020, 10, 7355.	3.3	6
61	Pelvic multi-organ segmentation on cone-beam CT for prostate adaptive radiotherapy. <i>Medical Physics</i> , 2020, 47, 3415-3422.	3.0	37
62	Intensity non-uniformity correction in MR imaging using residual cycle generative adversarial network. <i>Physics in Medicine and Biology</i> , 2020, 65, 215025.	3.0	27
63	Deep learning-based real-time volumetric imaging for lung stereotactic body radiation therapy: a proof of concept study. <i>Physics in Medicine and Biology</i> , 2020, 65, 235003.	3.0	21
64	Durvalumab and tremelimumab with or without stereotactic body radiation therapy in relapsed small cell lung cancer: a randomized phase II study. , 2020, 8, e001302.		34
65	MRI-based treatment planning for brain stereotactic radiosurgery: Dosimetric validation of a learning-based pseudo-CT generation method. <i>Medical Dosimetry</i> , 2019, 44, 199-204.	0.9	51
66	MRI-based treatment planning for liver stereotactic body radiotherapy: validation of a deep learning-based synthetic CT generation method. <i>British Journal of Radiology</i> , 2019, 92, 20190067.	2.2	52
67	Machine-learning based classification of glioblastoma using delta-radiomic features derived from dynamic susceptibility contrast enhanced magnetic resonance images. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1201-1213.	2.0	38
68	Synthetic MRI-aided multi-organ segmentation on male pelvic CT using cycle consistent deep attention network. <i>Radiotherapy and Oncology</i> , 2019, 141, 192-199.	0.6	97
69	Sparing Cardiac Substructures With Optimized Volumetric Modulated Arc Therapy and Intensity Modulated Proton Therapy in Thoracic Radiation for Locally Advanced Non-small Cell Lung Cancer. <i>Practical Radiation Oncology</i> , 2019, 9, e473-e481.	2.1	24
70	Optimal virtual monoenergetic image in TwinBeam-dual-energy CT for organs-at-risk delineation based on contrast-to-noise ratio in head-and-neck radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 121-128.	1.9	21
71	MRI-only based synthetic CT generation using dense cycle consistent generative adversarial networks. <i>Medical Physics</i> , 2019, 46, 3565-3581.	3.0	181
72	Paired cycleGAN-based image correction for quantitative cone-beam computed tomography. <i>Medical Physics</i> , 2019, 46, 3998-4009.	3.0	164

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73	Survival Outcomes With Thoracic Radiotherapy in Extensive-Stage Small-Cell Lung Cancer: A Propensity Score-Matched Analysis of the National Cancer Database. <i>Clinical Lung Cancer</i> , 2019, 20, 484-493.e6.	2.6	16
74	Defining an Intermediate-risk Group for Low-grade Glioma: A National Cancer Database Analysis. <i>Anticancer Research</i> , 2019, 39, 2911-2918.	1.1	8
75	Learning-based automatic segmentation of arteriovenous malformations on contrast CT images in brain stereotactic radiosurgery. <i>Medical Physics</i> , 2019, 46, 3133-3141.	3.0	39
76	Ultrasound prostate segmentation based on multidirectional deeply supervised V-Net. <i>Medical Physics</i> , 2019, 46, 3194-3206.	3.0	96
77	Survival outcomes by high-risk human papillomavirus status in nonoropharyngeal head and neck squamous cell carcinomas: A propensity-scored analysis of the National Cancer Data Base. <i>Cancer</i> , 2019, 125, 2782-2793.	4.1	40
78	Dosimetric study on learning-based cone-beam CT correction in adaptive radiation therapy. <i>Medical Dosimetry</i> , 2019, 44, e71-e79.	0.9	20
79	Prognostic value of radiographically defined extranodal extension in human papillomavirus-associated locally advanced oropharyngeal carcinoma. <i>Head and Neck</i> , 2019, 41, 3056-3063.	2.0	14
80	Dose evaluation of MRI-based synthetic CT generated using a machine learning method for prostate cancer radiotherapy. <i>Medical Dosimetry</i> , 2019, 44, e64-e70.	0.9	30
81	Multiparametric MRI-guided dose boost to dominant intraprostatic lesions in CT-based High-dose-rate prostate brachytherapy. <i>British Journal of Radiology</i> , 2019, 92, 20190089.	2.2	20
82	The Impact of Graduates' Job Preferences on the Current Radiation Oncology Job Market. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 27-32.	0.8	26
83	Deeply supervised 3D fully convolutional networks with group dilated convolution for automatic MRI prostate segmentation. <i>Medical Physics</i> , 2019, 46, 1707-1718.	3.0	151
84	Automatic multiorgan segmentation in thorax CT images using U-Net-GAN. <i>Medical Physics</i> , 2019, 46, 2157-2168.	3.0	200
85	Long-term primary results of accelerated partial breast irradiation after breast-conserving surgery for early-stage breast cancer: a randomised, phase 3, equivalence trial. <i>Lancet, The</i> , 2019, 394, 2155-2164.	13.7	319
86	Learning-based CBCT correction using alternating random forest based on auto-context model. <i>Medical Physics</i> , 2019, 46, 601-618.	3.0	36
87	Hemorrhagic and Cystic Brain Metastases Are Associated With an Increased Risk of Leptomeningeal Dissemination After Surgical Resection and Adjuvant Stereotactic Radiosurgery. <i>Neurosurgery</i> , 2019, 85, 632-641.	1.1	25
88	Deep learning-based image quality improvement for low-dose computed tomography simulation in radiation therapy. <i>Journal of Medical Imaging</i> , 2019, 6, 1.	1.5	23
89	MRI-Based Proton Treatment Planning for Base of Skull Tumors. <i>International Journal of Particle Therapy</i> , 2019, 6, 12-25.	1.8	24
90	Health care disparities among octogenarians and nonagenarians with stage III lung cancer. <i>Cancer</i> , 2018, 124, 775-784.	4.1	24

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91	Is less more? Comparing chemotherapy alone with chemotherapy and radiation for high-risk grade 2 glioma: An analysis of the National Cancer Data Base. <i>Cancer</i> , 2018, 124, 1169-1178.	4.1	33
92	External validity of two nomograms for predicting distant brain failure after radiosurgery for brain metastases in a bi-institutional independent patient cohort. <i>Journal of Neuro-Oncology</i> , 2018, 137, 147-154.	2.9	3
93	Stereotactic body radiation therapy vs. surgery in early-stage non-small cell lung cancer: lessons learned, current recommendations, future directions. <i>Journal of Thoracic Disease</i> , 2018, 10, 1201-1204.	1.4	12
94	Predictors of pneumonitis-free survival following lung stereotactic body radiation therapy. <i>Translational Lung Cancer Research</i> , 2018, 8, 15-23.	2.8	5
95	CMET-01. CLINICAL AND DOSIMETRIC FACTORS RELATED TO RADIATION NECROSIS AFTER FIVE FRACTION RADIOSURGERY FOR RESECTED BRAIN METASTASES. <i>Neuro-Oncology</i> , 2018, 20, vi54-vi54.	1.2	0
96	Interactive calculator for operating characteristics of phase I cancer clinical trials using standard 3+3 designs. <i>Contemporary Clinical Trials Communications</i> , 2018, 12, 145-153.	1.1	1
97	Proton vs. Photon Radiation Therapy for Primary Gliomas: An Analysis of the National Cancer Data Base. <i>Frontiers in Oncology</i> , 2018, 8, 440.	2.8	34
98	Post-treatment neutrophil-to-lymphocyte ratio predicts for overall survival in brain metastases treated with stereotactic radiosurgery. <i>Journal of Neuro-Oncology</i> , 2018, 139, 689-697.	2.9	37
99	Targeted sequencing and intracranial outcomes of patients with lung adenocarcinoma brain metastases treated with radiotherapy. <i>Cancer</i> , 2018, 124, 3586-3595.	4.1	5
100	Magnetic resonance imaging-based pseudo computed tomography using anatomic signature and joint dictionary learning. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	1.5	15
101	MRI-based pseudo CT synthesis using anatomical signature and alternating random forest with iterative refinement model. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	1.5	33
102	Improving image quality of cone-beam CT using alternating regression forest. , 2018, 10573, .		9
103	High-resolution CT image retrieval using sparse convolutional neural network. , 2018, 10573, .		4
104	A denoising algorithm for CT image using low-rank sparse coding. , 2018, 10574, .		3
105	A patch-based CBCT scatter artifact correction using prior CT. <i>Proceedings of SPIE</i> , 2017, 10132, .	0.8	4
106	Pseudo CT estimation from MRI using patch-based random forest. <i>Proceedings of SPIE</i> , 2017, 10133, .	0.8	24
107	Single-Fraction Stereotactic Radiosurgery (SRS) Alone Versus Surgical Resection and SRS for Large Brain Metastases: A Multi-institutional Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 459-467.	0.8	83
108	Guideline-concordant Care Improves Overall Survival for Locally Advanced Non-Small-cell Lung Carcinoma Patients: A National Cancer Database Analysis. <i>Clinical Lung Cancer</i> , 2017, 18, 706-718.	2.6	26

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109	Next-generation sequencing and clinical outcomes of patients with lung adenocarcinoma treated with stereotactic body radiotherapy. <i>Cancer</i> , 2017, 123, 3681-3690.	4.1	36
110	Stereotactic Body Radiotherapy for Early-stage Non-small-cell Lung Cancer in Patients 80 Years and Older: A Multi-center Analysis. <i>Clinical Lung Cancer</i> , 2017, 18, 551-558.e6.	2.6	24
111	External Validity of a Risk Stratification Score Predicting Early Distant Brain Failure and Salvage Whole Brain Radiation Therapy After Stereotactic Radiosurgery for Brain Metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 632-638.	0.8	4
112	Comparing pre-operative stereotactic radiosurgery (SRS) to post-operative whole brain radiation therapy (WBRT) for resectable brain metastases: a multi-institutional analysis. <i>Journal of Neuro-Oncology</i> , 2017, 131, 611-618.	2.9	70
113	Domestic Job Shortage or Job Maldistribution? A Geographic Analysis of the Current Radiation Oncology Job Market. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 9-15.	0.8	32
114	Concomitant Chemotherapy and Radiotherapy with SBRT Boost for Unresectable Stage III Non-small Cell Lung Cancer: A Phase I Study. <i>Journal of Thoracic Oncology</i> , 2017, 12, 1687-1695.	1.1	47
115	Postoperative stereotactic radiosurgery for resected brain metastases: A comparison of outcomes for large resection cavities. <i>Practical Radiation Oncology</i> , 2017, 7, e419-e425.	2.1	11
116	National Cancer Database Analysis of Proton Versus Photon Radiation Therapy in Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 128-137.	0.8	105
117	Overview of Thoracic Oncology Trials in Cooperative Groups Around the Globe. <i>Clinical Lung Cancer</i> , 2017, 18, 5-12.	2.6	5
118	Lung cancer: current therapies and new targeted treatments. <i>Lancet, The</i> , 2017, 389, 299-311.	18.7	2,267
119	Adaptive Estimation of Personalized Maximum Tolerated Dose in Cancer Phase I Clinical Trials Based on All Toxicities and Individual Genomic Profile. <i>PLoS ONE</i> , 2017, 12, e0170187.	2.5	6
120	Ultrasound 2D strain measurement for arm lymphedema using deformable registration: A feasibility study. <i>PLoS ONE</i> , 2017, 12, e0181250.	2.5	7
121	Improved prostate delineation in prostate HDR brachytherapy with TRUS & CT deformable registration technology: A pilot study with MRI validation. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 202-210.	1.9	9
122	Optimal thoracic radiation dose in limited stage small cell lung cancer.. <i>Journal of Clinical Oncology</i> , 2017, 35, 8562-8562.	1.6	0
123	Health care disparities among octogenarians and nonagenarians with stage III lung cancer.. <i>Journal of Clinical Oncology</i> , 2017, 35, e18075-e18075.	1.6	1
124	Seeking New Approaches to Patients With Small Cell Lung Cancer. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2016, 35, e477-e482.	3.8	2
125	Institutional Enrollment and Survival Among NSCLC Patients Receiving Chemoradiation: NRG Oncology Radiation Therapy Oncology Group (RTOG) 0617. <i>Journal of the National Cancer Institute</i> , 2016, 108, .	6.3	92
126	Evaluating Intensity-Modulated Radiation Therapy in Locally Advanced Non-small-Cell Lung Cancer: Results From the National Cancer Data Base. <i>Clinical Lung Cancer</i> , 2016, 17, 398-405.	2.6	44



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127	Tetrameric Acetyl-CoA Acetyltransferase 1 Is Important for Tumor Growth. <i>Molecular Cell</i> , 2016, 64, 859-874.	9.7	73
128	Stereotactic body radiation therapy versus no treatment for early stage non-small cell lung cancer in medically inoperable elderly patients: A National Cancer Data Base analysis. <i>Cancer</i> , 2015, 121, 4222-4230.	4.1	83
129	Novel risk stratification score for predicting early distant brain failure and salvage whole-brain radiotherapy after stereotactic radiosurgery for brain metastases. <i>Cancer</i> , 2015, 121, 3836-3843.	4.1	23
130	Adjuvant radiation therapy in locally advanced non-small cell lung cancer: Executive summary of an American Society for Radiation Oncology (ASTRO) evidence-based clinical practice guideline. <i>Practical Radiation Oncology</i> , 2015, 5, 149-155.	2.1	78
131	Variation over time and interdependence between disease progression and death among patients with glioblastoma on RTOG 0525. <i>Neuro-Oncology</i> , 2015, 17, 999-1006.	1.2	15
132	A 3D neurovascular bundles segmentation method based on MR-TRUS deformable registration. , 2015, 9413, .		1
133	High Nuclear Hypoxia-Inducible Factor 1 Alpha Expression Is a Predictor of Distant Recurrence in Patients With Resected Pancreatic Adenocarcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 631-639.	0.8	35
134	Standard-dose versus high-dose conformal radiotherapy with concurrent and consolidation carboplatin plus paclitaxel with or without cetuximab for patients with stage IIIA or IIIB non-small-cell lung cancer (RTOG 0617): a randomised, two-by-two factorial phase 3 study. <i>Lancet Oncology</i> , The, 2015, 16, 187-199.	10.7	1,625
135	Dose escalation with over-dose and under-dose controls in Phase I/II clinical trials. <i>Contemporary Clinical Trials</i> , 2015, 43, 133-141.	1.8	16
136	Definitive radiation therapy in locally advanced non-small cell lung cancer: Executive summary of an American Society for Radiation Oncology (ASTRO) evidence-based clinical practice guideline. <i>Practical Radiation Oncology</i> , 2015, 5, 141-148.	2.1	79
137	Quantitative Ultrasonic Nakagami Imaging of Neck Fibrosis After Head and Neck Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 407-414.	0.8	20
138	Progress and Infrastructure for Improved Patient Outcomes of the National Cancer Institute Network Groups. <i>Seminars in Oncology</i> , 2015, 42, 679-680.	2.2	0
139	Radiotherapy patterns of care in gastric adenocarcinoma: a single institution experience. <i>Journal of Gastrointestinal Oncology</i> , 2015, 6, 247-53.	1.4	2
140	Ultrasound 2D strain estimator based on image registration for ultrasound elastography. <i>Proceedings of SPIE</i> , 2014, 9040, .	0.8	7
141	A new CT prostate segmentation for CT-based HDR brachytherapy. , 2014, 9036, 90362K.		4
142	Ultrasonic Nakagami parameter characterization of parotid gland injury following head-and-neck radiotherapy: A feasibility study of late toxicity. <i>Medical Physics</i> , 2014, 41, 022903.	3.0	19
143	Automated Segmentation of the Parotid Gland Based on Atlas Registration and Machine Learning: A Longitudinal MRI Study in Head-and-Neck Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 1225-1233.	0.8	95
144	CHD7 Expression Predicts Survival Outcomes in Patients with Resected Pancreatic Cancer. <i>Cancer Research</i> , 2014, 74, 2677-2687.	0.9	34

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145	Prostate CT segmentation method based on nonrigid registration in ultrasoundâ€¢guided CTâ€¢based HDR prostate brachytherapy. Medical Physics, 2014, 41, 1119-15.	3.0	19
146	NRG Oncology Research Opportunities Within the New National Clinical Trials Network. Seminars in Oncology, 2014, 41, 553-555.	2.2	5
147	Diagnostic Accuracy of Ultrasonic Histogram Features to Evaluate Radiation Toxicity of the Parotid Glands. Academic Radiology, 2014, 21, 1304-1313.	2.5	12
148	Outcomes and Patterns of Failure for Grade 2 Meningioma Treated With Reduced-Margin Intensity Modulated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2014, 88, 1004-1010.	0.8	20
149	The effect of institutional clinical trial enrollment volume on survival of patients with stage III non-small cell lung cancer treated with chemoradiation: A report of the Radiation Therapy Oncology Group (RTOG) 0617.. Journal of Clinical Oncology, 2014, 32, 7551-7551.	1.6	2
150	Prophylactic cranial irradiation in patients â€¢ 70 years old with limited stage small cell lung cancer: A Surveillance, Epidemiology, and End Results analysis.. Journal of Clinical Oncology, 2013, 31, 7589-7589.	1.6	0
151	Sequential vs Concurrent Chemoradiation for Stage III Non-Small Cell Lung Cancer: Randomized Phase III Trial RTOG 9410. Journal of the National Cancer Institute, 2011, 103, 1452-1460.	6.3	1,043