

Walter J Curran

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144
papers

6,090
citations

29
h-index

76
g-index

151
ext. papers

8,267
ext. citations

4.2
avg, IF

5.91
L-index

#	Paper	IF	Citations
144	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	3.4	4
143	Synthetic CT-aided multiorgan segmentation for CBCT-guided adaptive pancreatic radiotherapy. <i>Medical Physics</i> , 2021 , 48, 7063-7073	4.4	0
142	Deep learning-based motion tracking using ultrasound images. <i>Medical Physics</i> , 2021 , 48, 7747	4.4	2
141	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	3.8	6
140	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 ⁴		27
139	Male pelvic CT multi-organ segmentation using synthetic MRI-aided dual pyramid networks. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	3
138	Echocardiographic image multi-structure segmentation using Cardiac-SegNet. <i>Medical Physics</i> , 2021 , 48, 2426-2437	4.4	4
137	Automatic delineation of cardiac substructures using a region-based fully convolutional network. <i>Medical Physics</i> , 2021 , 48, 2867-2876	4.4	7
136	Male pelvic multi-organ segmentation on transrectal ultrasound using anchor-free mask CNN. <i>Medical Physics</i> , 2021 , 48, 3055-3064	4.4	2
135	A review of deep learning based methods for medical image multi-organ segmentation. <i>Physica Medica</i> , 2021 , 85, 107-122	2.7	15
134	Artificial intelligence in tumor subregion analysis based on medical imaging: A review. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 10-26	2.3	2
133	Self-supervised learning for accelerated 3D high-resolution ultrasound imaging. <i>Medical Physics</i> , 2021 , 48, 3916-3926	4.4	1
132	Learning-based dose prediction for pancreatic stereotactic body radiation therapy using dual pyramid adversarial network. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	3
131	Knowledge-based radiation treatment planning: A data-driven method survey. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 16-44	2.3	4
130	Fully automated segmentation of brain tumor from multiparametric MRI using 3D context deep supervised U-Net. <i>Medical Physics</i> , 2021 , 48, 4365-4374	4.4	4
129	Biomechanically constrained non-rigid MR-TRUS prostate registration using deep learning based 3D point cloud matching. <i>Medical Image Analysis</i> , 2021 , 67, 101845	15.4	11
128	Deformable MR-CBCT prostate registration using biomechanically constrained deep learning networks. <i>Medical Physics</i> , 2021 , 48, 253-263	4.4	12

127	YAP1 Expression in SCLC Defines a Distinct Subtype With T-cell-Inflamed Phenotype. <i>Journal of Thoracic Oncology</i> , 2021 , 16, 464-476	8.9	23
126	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	2.3	38
125	Automatic quantification of myocardium and pericardial fat from coronary computed tomography angiography: a multicenter study. <i>European Radiology</i> , 2021 , 31, 3826-3836	8	2
124	Breast tumor segmentation in 3D automatic breast ultrasound using Mask scoring R-CNN. <i>Medical Physics</i> , 2021 , 48, 204-214	4.4	16
123	MRI classification using semantic random forest with auto-context model. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 4753-4766	3.6	
122	Learning-Based Stopping Power Mapping on Dual-Energy CT for Proton Radiation Therapy. <i>International Journal of Particle Therapy</i> , 2021 , 7, 46-60	1.5	1
121	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	3.8	8
120	High through-plane resolution CT imaging with self-supervised deep learning. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	1
119	Artificial Intelligence in Quantitative Ultrasound Imaging: A Survey. <i>Journal of Ultrasound in Medicine</i> , 2021 ,	2.9	1
118	Automated delineation of head and neck organs at risk using synthetic MRI-aided mask scoring regional convolutional neural network. <i>Medical Physics</i> , 2021 , 48, 5862-5873	4.4	3
117	BRCA1 Protein Expression Predicts Survival in Glioblastoma Patients from an NRG Oncology RTOG Cohort. <i>Oncology</i> , 2021 , 99, 580-588	3.6	1
116	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.. <i>Cancers</i> , 2021 , 13,	6.6	4
115	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	3.3	0
114	Automatic multi-catheter detection using deeply supervised convolutional neural network in MRI-guided HDR prostate brachytherapy. <i>Medical Physics</i> , 2020 , 47, 4115-4124	4.4	12
113	Multi-needle Localization with Attention U-Net in US-guided HDR Prostate Brachytherapy. <i>Medical Physics</i> , 2020 , 47, 2735-2745	4.4	15
112	CBCT-based synthetic CT generation using deep-attention cycleGAN for pancreatic adaptive radiotherapy. <i>Medical Physics</i> , 2020 , 47, 2472-2483	4.4	36
111	Cone-beam CT-derived relative stopping power map generation via deep learning for proton radiotherapy. <i>Medical Physics</i> , 2020 , 47, 4416-4427	4.4	9
110	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	4	18

109	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	4.63	11
108	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	5.7	7
107	LungRegNet: An unsupervised deformable image registration method for 4D-CT lung. <i>Medical Physics</i> , 2020 , 47, 1763-1774	4.4	29
106	Optimal timing of chemoradiotherapy after surgical resection of glioblastoma: Stratification by validated prognostic classification. <i>Cancer</i> , 2020 , 126, 3255-3264	6.4	6
105	Genomic copy number variation correlates with survival outcomes in WHO grade IV glioma. <i>Scientific Reports</i> , 2020 , 10, 7355	4.9	0
104	Pelvic multi-organ segmentation on cone-beam CT for prostate adaptive radiotherapy. <i>Medical Physics</i> , 2020 , 47, 3415-3422	4.4	16
103	Durvalumab and tremelimumab with or without stereotactic body radiation therapy in relapsed small cell lung cancer: a randomized phase II study 2020 , 8,		13
102	Intensity non-uniformity correction in MR imaging using residual cycle generative adversarial network. <i>Physics in Medicine and Biology</i> , 2020 , 65, 215025	3.8	8
101	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	3.8	5
100	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	6.4	6
99	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	3	0
98	Survival advantage of chemoradiotherapy in anaplastic thyroid carcinoma: Propensity score matched analysis with multiple subgroups. <i>Head and Neck</i> , 2020 , 42, 678-687	4.2	1
97	CT prostate segmentation based on synthetic MRI-aided deep attention fully convolution network. <i>Medical Physics</i> , 2020 , 47, 530-540	4.4	34
96	Multimodal MRI synthesis using unified generative adversarial networks. <i>Medical Physics</i> , 2020 , 47, 6343-6354	4.14	14
95	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	6.4	3
94	Tumor-draining lymph node is important for a robust abscopal effect stimulated by radiotherapy 2020 , 8,		30
93	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	6.4	49
92	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	3	2

91	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	4.4	11
90	Head and neck multi-organ auto-segmentation on CT images aided by synthetic MRI. <i>Medical Physics</i> , 2020 , 47, 4294-4302	4.4	10
89	CT-based multi-organ segmentation using a 3D self-attention U-net network for pancreatic radiotherapy. <i>Medical Physics</i> , 2020 , 47, 4316-4324	4.4	16
88	Machine learning in quantitative PET: A review of attenuation correction and low-count image reconstruction methods. <i>Physica Medica</i> , 2020 , 76, 294-306	2.7	26
87	A learning-based automatic segmentation and quantification method on left ventricle in gated myocardial perfusion SPECT imaging: A feasibility study. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 976-987 ^{2.1}	4.6	46
86	Dosimetric Factors Related to Radiation Necrosis After 5-Fraction Radiosurgery for Patients With Resected Brain Metastases. <i>Practical Radiation Oncology</i> , 2020 , 10, 36-43	2.8	9
85	Thyroid gland delineation in noncontrast-enhanced CT using deep convolutional neural networks. <i>Physics in Medicine and Biology</i> , 2020 ,	3.8	1
84	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	2.8	14
83	Optimal virtual monoenergetic image in "TwinBeam" dual-energy CT for organs-at-risk delineation based on contrast-noise-ratio in head-and-neck radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2019 , 20, 121-128	2.3	15
82	MRI-only based synthetic CT generation using dense cycle consistent generative adversarial networks. <i>Medical Physics</i> , 2019 , 46, 3565-3581	4.4	95
81	Paired cycle-GAN-based image correction for quantitative cone-beam computed tomography. <i>Medical Physics</i> , 2019 , 46, 3998-4009	4.4	74
80	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	4.9	11
79	Defining an Intermediate-risk Group for Low-grade Glioma: A National Cancer Database Analysis. <i>Anticancer Research</i> , 2019 , 39, 2911-2918	2.3	4
78	Learning-based automatic segmentation of arteriovenous malformations on contrast CT images in brain stereotactic radiosurgery. <i>Medical Physics</i> , 2019 , 46, 3133-3141	4.4	23
77	Ultrasound prostate segmentation based on multidirectional deeply supervised V-Net. <i>Medical Physics</i> , 2019 , 46, 3194-3206	4.4	52
76	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	6.4	19
75	Dosimetric study on learning-based cone-beam CT correction in adaptive radiation therapy. <i>Medical Dosimetry</i> , 2019 , 44, e71-e79	1.3	15
74	Prognostic value of radiographically defined extranodal extension in human papillomavirus-associated locally advanced oropharyngeal carcinoma. <i>Head and Neck</i> , 2019 , 41, 3056-3063 ^{4.2}	11	11

73	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	1.3	21
72	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	3.4	13
71	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	4	17
70	Deeply supervised 3D fully convolutional networks with group dilated convolution for automatic MRI prostate segmentation. <i>Medical Physics</i> , 2019 , 46, 1707-1718	4.4	90
69	Automatic multiorgan segmentation in thorax CT images using U-net-GAN. <i>Medical Physics</i> , 2019 , 46, 2157-2168	4.4	128
68	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	1.3	34
67	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	3.4	31
66	Machine-learning based classification of glioblastoma using delta-radiomic features derived from dynamic susceptibility contrast enhanced magnetic resonance images: Introduction. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 1201-1213	3.6	18
65	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	5.3	55
64	Deep learning-based image quality improvement for low-dose computed tomography simulation in radiation therapy. <i>Journal of Medical Imaging</i> , 2019 , 6, 043504	2.6	12
63	MRI-Based Proton Treatment Planning for Base of Skull Tumors. <i>International Journal of Particle Therapy</i> , 2019 , 6, 12-25	1.5	11
62	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 ⁴⁰		152
61	Learning-based CBCT correction using alternating random forest based on auto-context model. <i>Medical Physics</i> , 2019 , 46, 601-618	4.4	25
60	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	3.2	16
59	Predictors of pneumonitis-free survival following lung stereotactic body radiation therapy. <i>Translational Lung Cancer Research</i> , 2019 , 8, 15-23	4.4	3
58	Health care disparities among octogenarians and nonagenarians with stage III lung cancer. <i>Cancer</i> , 2018 , 124, 775-784	6.4	18
57	Targeted sequencing and intracranial outcomes of patients with lung adenocarcinoma brain metastases treated with radiotherapy. <i>Cancer</i> , 2018 , 124, 3586-3595	6.4	2
56	Magnetic resonance imaging-based pseudo computed tomography using anatomic signature and joint dictionary learning. <i>Journal of Medical Imaging</i> , 2018 , 5, 034001	2.6	15

55	MRI-based pseudo CT synthesis using anatomical signature and alternating random forest with iterative refinement model. <i>Journal of Medical Imaging</i> , 2018 , 5, 043504	2.6	18
54	Improving Image Quality of Cone-Beam CT Using Alternating Regression Forest. <i>Proceedings of SPIE</i> , 2018 , 10573,	1.7	6
53	High-resolution CT Image Retrieval Using Sparse Convolutional Neural Network. <i>Proceedings of SPIE</i> , 2018 , 10573,	1.7	2
52	A Denoising Algorithm for CT Image Using Low-rank Sparse Coding. <i>Proceedings of SPIE</i> , 2018 , 10574,	1.7	3
51	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	6.4	18
50	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	4.8	2
49	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	78
48	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	1.8	0
47	Proton vs. Photon Radiation Therapy for Primary Gliomas: An Analysis of the National Cancer Data Base. <i>Frontiers in Oncology</i> , 2018 , 8, 440	5.3	17
46	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	4.8	26
45	A Patch-based CBCT Scatter Artifact Correction Using Prior CT. <i>Proceedings of SPIE</i> , 2017 , 10132,	1.7	4
44	Pseudo CT Estimation from MRI Using Patch-based Random Forest. <i>Proceedings of SPIE</i> , 2017 , 10133,	1.7	18
43	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	4	57
42	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	4.9	12
41	Next-generation sequencing and clinical outcomes of patients with lung adenocarcinoma treated with stereotactic body radiotherapy. <i>Cancer</i> , 2017 , 123, 3681-3690	6.4	27
40	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	4.9	20
39	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	4	4
38	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	4.8	48

37	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	3.7	5
36	Ultrasound 2D strain measurement for arm lymphedema using deformable registration: A feasibility study. <i>PLoS ONE</i> , 2017 , 12, e0181250	3.7	3
35	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	4	22
34	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	8.9	29
33	Postoperative stereotactic radiosurgery for resected brain metastases: A comparison of outcomes for large resection cavities. <i>Practical Radiation Oncology</i> , 2017 , 7, e419-e425	2.8	9
32	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	4	80
31	Overview of Thoracic Oncology Trials in Cooperative Groups Around the Globe. <i>Clinical Lung Cancer</i> , 2017 , 18, 5-12	4.9	2
30	Lung cancer: current therapies and new targeted treatments. <i>Lancet, The</i> , 2017 , 389, 299-311	40	1358
29	Optimal thoracic radiation dose in limited stage small cell lung cancer.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 8562-8562	2.2	
28	Health care disparities among octogenarians and nonagenarians with stage III lung cancer.. <i>Journal of Clinical Oncology</i> , 2017 , 35, e18075-e18075	2.2	1
27	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	2.3	7
26	Tetrameric Acetyl-CoA Acetyltransferase 1 Is Important for Tumor Growth. <i>Molecular Cell</i> , 2016 , 64, 859-874	6.4	42
25	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, e477-82	7.1	2
24	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,	9.7	64
23	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	4.9	34
22	Dose escalation with over-dose and under-dose controls in Phase I/II clinical trials. <i>Contemporary Clinical Trials</i> , 2015 , 43, 133-41	2.3	13
21	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	2.8	60
20	Quantitative Ultrasonic Nakagami Imaging of Neck Fibrosis After Head and Neck Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 92, 407-14	4	14

19	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, 4222-30	6.4	75
18	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, 3836-43	6.4	19
17	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	2.8	29
16	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	14
15	A 3D Neurovascular Bundles Segmentation Method based on MR-TRUS Deformable Registration. <i>Proceedings of SPIE</i> , 2015 , 9413,	1.7	1
14	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, 631-9	4	23
13	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> , 2015 , 16, 187-99	21.7	1200
12	Radiotherapy patterns of care in gastric adenocarcinoma: a single institution experience. <i>Journal of Gastrointestinal Oncology</i> , 2015 , 6, 247-53	2.8	2
11	Prostate CT segmentation method based on nonrigid registration in ultrasound-guided CT-based HDR prostate brachytherapy. <i>Medical Physics</i> , 2014 , 41, 1119-15	4.4	15
10	Diagnostic accuracy of ultrasonic histogram features to evaluate radiation toxicity of the parotid glands: a clinical study of xerostomia following head-and-neck cancer radiotherapy. <i>Academic Radiology</i> , 2014 , 21, 1304-13	4.3	10
9	Outcomes and patterns of failure for grade 2 meningioma treated with reduced-margin intensity modulated radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 88, 1004-10	4.0	15
8	Ultrasound 2D Strain Estimator Based on Image Registration for Ultrasound Elastography. <i>Proceedings of SPIE</i> , 2014 , 9040,	1.7	7
7	A New CT Prostate Segmentation for CT-Based HDR Brachytherapy. <i>Proceedings of SPIE</i> , 2014 , 9036, 90362K	1.7	4
6	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	4.4	15
5	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, 1225-33	4	67
4	CHD7 expression predicts survival outcomes in patients with resected pancreatic cancer. <i>Cancer Research</i> , 2014 , 74, 2677-87	10.1	30
3	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.. <i>Journal of Clinical Oncology</i> , 2014 , 32, 7551-7551	2.2	1
2	Prophylactic cranial irradiation in patients \geq 70 years old with limited stage small cell lung cancer: A Surveillance, Epidemiology, and End Results analysis.. <i>Journal of Clinical Oncology</i> , 2013 , 31, 7589-7589	2.2	

- 1 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, 1452-60 9.7 807