Walter J Curran

List of Publications by Year
in descending order

151	10,014	101543	39675
papers	citations	36	94
		h-index	g-index

151	151	151	10837
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Lung cancer: current therapies and new targeted treatments. Lancet, The, 2017, 389, 299-311.	13.7	2,267
2	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. Lancet Oncology, The, 2015, 16, 187-199.	10.7	1,625
3	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
4	Long-term primary results of accelerated partial breast irradiation after breast-conserving surgery for early-stage breast cancer: a randomised, phase 3, equivalence trial. Lancet, The, 2019, 394, 2155-2164.	13.7	319
5	Automatic multiorgan segmentation in thorax <scp>CT</scp> images using Uâ€netâ€‹<scp>GAN</scp>. Medical Physics, 2019, 46, 2157-2168.	3.0	200
6	MRIâ€only based synthetic CT generation using dense cycle consistent generative adversarial networks. Medical Physics, 2019, 46, 3565-3581.	3.0	181
7	Paired cycleâ€GANâ€based image correction for quantitative coneâ€beam computed tomography. Medical Physics, 2019, 46, 3998-4009.	3.0	164
8	Deeply supervised 3D fully convolutional networks with group dilated convolution for automatic <scp>MRI</scp> prostate segmentation. Medical Physics, 2019, 46, 1707-1718.	3.0	151
9	A review on medical imaging synthesis using deep learning and its clinical applications. Journal of Applied Clinical Medical Physics, 2021, 22, 11-36.	1.9	139
10	CBCTâ€based synthetic CT generation using deepâ€attention cycleGAN for pancreatic adaptive radiotherapy. Medical Physics, 2020, 47, 2472-2483.	3.0	113
11	National Cancer Database Analysis of Proton Versus Photon Radiation Therapy in Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2017, 97, 128-137.	0.8	105
12	A review of deep learning based methods for medical image multi-organ segmentation. Physica Medica, 2021, 85, 107-122.	0.7	103
13	Synthetic MRI-aided multi-organ segmentation on male pelvic CT using cycle consistent deep attention network. Radiotherapy and Oncology, 2019, 141, 192-199.	0.6	97
14	Ultrasound prostate segmentation based on multidirectional deeply supervised Vâ€Net. Medical Physics, 2019, 46, 3194-3206.	3.0	96
15	Automated Segmentation of the Parotid Gland Based on Atlas Registration and Machine Learning: A Longitudinal MRI Study in Head-and-Neck Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2014, 90, 1225-1233.	0.8	95
16	YAP1 Expression in SCLC Defines a Distinct Subtype With T-cellâ€"Inflamed Phenotype. Journal of Thoracic Oncology, 2021, 16, 464-476.	1.1	93
17	Institutional Enrollment and Survival Among NSCLC Patients Receiving Chemoradiation: NRG Oncology Radiation Therapy Oncology Group (RTOG) 0617. Journal of the National Cancer Institute, 2016, 108, .	6.3	92
18	Stereotactic body radiation therapy versus no treatment for early stage nonâ€"small cell lung cancer in medically inoperable elderly patients: A National Cancer Data Base analysis. Cancer, 2015, 121, 4222-4230.	4.1	83

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19	Single-Fraction Stereotactic Radiosurgery (SRS) Alone Versus Surgical Resection and SRS for Large Brain Metastases: A Multi-institutional Analysis. International Journal of Radiation Oncology Biology Physics, 2017, 99, 459-467.	0.8	83
20	Tumor-draining lymph node is important for a robust abscopal effect stimulated by radiotherapy. , 2020, 8, e000867.		81
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. Practical Radiation Oncology, 2015, 5, 141-148.	2.1	79
22	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. Practical Radiation Oncology, 2015, 5, 149-155.	2.1	78
23	Tetrameric Acetyl-CoA Acetyltransferase 1 Is Important for Tumor Growth. Molecular Cell, 2016, 64, 859-874.	9.7	73
24	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
25	Comparing pre-operative stereotactic radiosurgery (SRS) to post-operative whole brain radiation therapy (WBRT) for resectable brain metastases: a multi-institutional analysis. Journal of Neuro-Oncology, 2017, 131, 611-618.	2.9	70
26	Lowâ€dose wholeâ€lung radiation for COVIDâ€19 pneumonia: Planned day 7 interim analysis of a registered clinical trial. Cancer, 2020, 126, 5109-5113.	4.1	69
27	Breast tumor segmentation in 3D automatic breast ultrasound using Mask scoring Râ€CNN. Medical Physics, 2021, 48, 204-214.	3.0	68
28	Machine learning in quantitative PET: A review of attenuation correction and low-count image reconstruction methods. Physica Medica, 2020, 76, 294-306.	0.7	67
29	CT prostate segmentation based on synthetic MRIâ€aided deep attention fully convolution network. Medical Physics, 2020, 47, 530-540.	3.0	66
30	LungRegNet: An unsupervised deformable image registration method for 4Dâ€CT lung. Medical Physics, 2020, 47, 1763-1774.	3.0	66
31	MRI-based treatment planning for liver stereotactic body radiotherapy: validation of a deep learning-based synthetic CT generation method. British Journal of Radiology, 2019, 92, 20190067.	2.2	52
32	MRI-based treatment planning for brain stereotactic radiosurgery: Dosimetric validation of a learning-based pseudo-CT generation method. Medical Dosimetry, 2019, 44, 199-204.	0.9	51
33	Concomitant Chemotherapy and Radiotherapy with SBRT Boost for Unresectable Stage III Nonâ€"Small Cell Lung Cancer: A Phase I Study. Journal of Thoracic Oncology, 2017, 12, 1687-1695.	1.1	47
34	Evaluating Intensity-Modulated Radiation Therapy in Locally Advanced Nonâ€"Small-Cell Lung Cancer: Results From the National CancerÂData Base. Clinical Lung Cancer, 2016, 17, 398-405.	2.6	44
35	Knowledgeâ€based radiation treatment planning: A dataâ€driven method survey. Journal of Applied Clinical Medical Physics, 2021, 22, 16-44.	1.9	43
36	Lung Stereotactic Body Radiation Therapy and Concurrent Immunotherapy: A Multicenter Safety and Toxicity Analysis. International Journal of Radiation Oncology Biology Physics, 2020, 108, 304-313.	0.8	42

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37	Immunomodulatory Low-Dose Whole-Lung Radiation for Patients with Coronavirus Disease 2019-Related Pneumonia. International Journal of Radiation Oncology Biology Physics, 2021, 109, 867-879.	0.8	42
38	Survival outcomes by highâ€risk human papillomavirus status in nonoropharyngeal head and neck squamous cell carcinomas: A propensityâ€scored analysis of the National Cancer Data Base. Cancer, 2019, 125, 2782-2793.	4.1	40
39	Learningâ€based automatic segmentation of arteriovenous malformations on contrast CT images in brain stereotactic radiosurgery. Medical Physics, 2019, 46, 3133-3141.	3.0	39
40	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
41	Machine-learning based classification of glioblastoma using delta-radiomic features derived from dynamic susceptibility contrast enhanced magnetic resonance images. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1201-1213.	2.0	38
42	Post-treatment neutrophil-to-lymphocyte ratio predicts for overall survival in brain metastases treated with stereotactic radiosurgery. Journal of Neuro-Oncology, 2018, 139, 689-697.	2.9	37
43	Multimodal MRI synthesis using unified generative adversarial networks. Medical Physics, 2020, 47, 6343-6354.	3.0	37
44	Pelvic multiâ€organ segmentation on coneâ€beam CT for prostate adaptive radiotherapy. Medical Physics, 2020, 47, 3415-3422.	3.0	37
45	Nextâ€generation sequencing and clinical outcomes of patients with lung adenocarcinoma treated with stereotactic body radiotherapy. Cancer, 2017, 123, 3681-3690.	4.1	36
46	Learningâ€based <scp>CBCT</scp> correction using alternating random forest based on autoâ€context model. Medical Physics, 2019, 46, 601-618.	3.0	36
47	High Nuclear Hypoxia-Inducible Factor 1 AlphaÂExpression Is a Predictor of Distant Recurrence in Patients With Resected PancreaticÂAdenocarcinoma. International Journal of Radiation Oncology Biology Physics, 2015, 91, 631-639.	0.8	35
48	CTâ€based multiâ€organ segmentation using a 3D selfâ€attention Uâ€net network for pancreatic radiotherapy. Medical Physics, 2020, 47, 4316-4324.	3.0	35
49	CHD7 Expression Predicts Survival Outcomes in Patients with Resected Pancreatic Cancer. Cancer Research, 2014, 74, 2677-2687.	0.9	34
50	Proton vs. Photon Radiation Therapy for Primary Gliomas: An Analysis of the National Cancer Data Base. Frontiers in Oncology, 2018, 8, 440.	2.8	34
51	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
52	Is less more? Comparing chemotherapy alone with chemotherapy and radiation for highâ€risk grade 2 glioma: An analysis of the National Cancer Data Base. Cancer, 2018, 124, 1169-1178.	4.1	33
53	Biomechanically constrained non-rigid MR-TRUS prostate registration using deep learning based 3D point cloud matching. Medical Image Analysis, 2021, 67, 101845.	11.6	33
54	MRI-based pseudo CT synthesis using anatomical signature and alternating random forest with iterative refinement model. Journal of Medical Imaging, 2018, 5, 1.	1.5	33

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55	Domestic Job Shortage or Job Maldistribution? A Geographic Analysis of the Current Radiation Oncology Job Market. International Journal of Radiation Oncology Biology Physics, 2017, 99, 9-15.	0.8	32
56	Head and neck multi‐organ auto‐segmentation on CT images aided by synthetic MRI. Medical Physics, 2020, 47, 4294-4302.	3.0	31
57	Dose evaluation of MRI-based synthetic CT generated using a machine learning method for prostate cancer radiotherapy. Medical Dosimetry, 2019, 44, e64-e70.	0.9	30
58	Multi‐needle Localization with Attention U‐Net in US‐guided HDR Prostate Brachytherapy. Medical Physics, 2020, 47, 2735-2745.	3.0	30
59	Head-and-neck organs-at-risk auto-delineation using dual pyramid networks for CBCT-guided adaptive radiotherapy. Physics in Medicine and Biology, 2021, 66, 045021.	3.0	29
60	Deformable MR‐CBCT prostate registration using biomechanically constrained deep learning networks. Medical Physics, 2021, 48, 253-263.	3.0	27
61	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
62	Intensity non-uniformity correction in MR imaging using residual cycle generative adversarial network. Physics in Medicine and Biology, 2020, 65, 215025.	3.0	27
63	Guideline-concordant Care Improves Overall Survival for Locally Advanced Non‐"Small-cell Lung Carcinoma Patients: A National Cancer Database Analysis. Clinical Lung Cancer, 2017, 18, 706-718.	2.6	26
64	The Impact of Graduates' Job Preferences on the Current Radiation Oncology Job Market. International Journal of Radiation Oncology Biology Physics, 2019, 104, 27-32.	0.8	26
65	Hemorrhagic and Cystic Brain Metastases Are Associated With an Increased Risk of Leptomeningeal Dissemination After Surgical Resection and Adjuvant Stereotactic Radiosurgery. Neurosurgery, 2019, 85, 632-641.	1.1	25
66	Impact of Sequencing Radiation Therapy and Immune Checkpoint Inhibitors in the Treatment of Melanoma Brain Metastases. International Journal of Radiation Oncology Biology Physics, 2020, 108, 157-163.	0.8	25
67	Pseudo CT estimation from MRI using patch-based random forest. Proceedings of SPIE, 2017, 10133, .	0.8	24
68	Stereotactic Body Radiotherapy for Early-stage Non‐"small-cell Lung Cancer in Patients 80 Years and Older: A Multi-center Analysis. Clinical Lung Cancer, 2017, 18, 551-558.e6.	2.6	24
69	Health care disparities among octogenarians and nonagenarians with stage III lung cancer. Cancer, 2018, 124, 775-784.	4.1	24
70	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. Practical Radiation Oncology, 2019, 9, e473-e481.	2.1	24
71	Automatic multi‐catheter detection using deeply supervised convolutional neural network in MRI‐guided HDR prostate brachytherapy. Medical Physics, 2020, 47, 4115-4124.	3.0	24
72	MRI-Based Proton Treatment Planning for Base of Skull Tumors. International Journal of Particle Therapy, 2019, 6, 12-25.	1.8	24

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73	Novel risk stratification score for predicting early distant brain failure and salvage whole‐brain radiotherapy after stereotactic radiosurgery for brain metastases. Cancer, 2015, 121, 3836-3843.	4.1	23
74	Automated left ventricular myocardium segmentation using 3D deeply supervised attention U‐net for coronary computed tomography angiography; CT myocardium segmentation. Medical Physics, 2020, 47, 1775-1785.	3.0	23
75	Deep learning-based image quality improvement for low-dose computed tomography simulation in radiation therapy. Journal of Medical Imaging, 2019, 6, 1.	1.5	23
76	Optimal virtual monoenergetic image in â€œTwinBeamâ€•dualâ€energy <scp>CT</scp> for organsâ€atâ€risk delineation based on contrastâ€noiseâ€ratio in headâ€andâ€neck radiotherapy. Journal of Applied Clinical Medical Physics, 2019, 20, 121-128.	1.9	21
77	Coneâ€beam CTâ€derived relative stopping power map generation via deep learning for proton radiotherapy. Medical Physics, 2020, 47, 4416-4427.	3.0	21
78	Automated delineation of head and neck organs at risk using synthetic MRIâ€aided mask scoring regional convolutional neural network. Medical Physics, 2021, 48, 5862-5873.	3.0	21
79	Deep learning-based real-time volumetric imaging for lung stereotactic body radiation therapy: a proof of concept study. Physics in Medicine and Biology, 2020, 65, 235003.	3.0	21
80	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
81	Quantitative Ultrasonic Nakagami Imaging ofÂNeck Fibrosis After Head and Neck Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2015, 92, 407-414.	0.8	20
82	Dosimetric study on learning-based cone-beam CT correction in adaptive radiation therapy. Medical Dosimetry, 2019, 44, e71-e79.	0.9	20
83	Multiparametric MRI-guided dose boost to dominant intraprostatic lesions in CT-based High-dose-rate prostate brachytherapy. British Journal of Radiology, 2019, 92, 20190089.	2.2	20
84	Automatic delineation of cardiac substructures using a regionâ€based fully convolutional network. Medical Physics, 2021, 48, 2867-2876.	3.0	20
85	Ultrasonic Nakagamiâ€parameter characterization of parotidâ€gland injury following headâ€andâ€neck radiotherapy: A feasibility study of late toxicity. Medical Physics, 2014, 41, 022903.	3.0	19
86	Prostate CT segmentation method based on nonrigid registration in ultrasoundâ€guided CTâ€based HDR prostate brachytherapy. Medical Physics, 2014, 41, 111915.	3.0	19
87	Optimal timing of chemoradiotherapy after surgical resection of glioblastoma: Stratification by validated prognostic classification. Cancer, 2020, 126, 3255-3264.	4.1	19
88	Synthetic dual-energy CT for MRI-only based proton therapy treatment planning using label-GAN. Physics in Medicine and Biology, 2021, 66, 065014.	3.0	18
89	Dose escalation with over-dose and under-dose controls in Phase I/II clinical trials. Contemporary Clinical Trials, 2015, 43, 133-141.	1.8	16
90	Survival Outcomes With Thoracic Radiotherapy in Extensive-Stage Small-Cell Lung Cancer: AÂPropensity Score-Matched Analysis of the National Cancer Database. Clinical Lung Cancer, 2019, 20, 484-493.e6.	2.6	16

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91	Variation over time and interdependence between disease progression and death among patients with glioblastoma on RTOG 0525. Neuro-Oncology, 2015, 17, 999-1006.	1.2	15
92	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
93	Magnetic resonance imaging-based pseudo computed tomography using anatomic signature and joint dictionary learning. Journal of Medical Imaging, 2018, 5, 1.	1.5	15
94	Prognostic value of radiographically defined extranodal extension in human papillomavirusâ€associated locally advanced oropharyngeal carcinoma. Head and Neck, 2019, 41, 3056-3063.	2.0	14
95	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
96	Diagnostic Accuracy of Ultrasonic Histogram Features to Evaluate Radiation Toxicity of the Parotid Glands. Academic Radiology, 2014, 21, 1304-1313.	2.5	12
97	Stereotactic body radiation therapy vs. surgery in early-stage non-small cell lung cancer: lessons learned, current recommendations, future directions. Journal of Thoracic Disease, 2018, 10, 1201-1204.	1.4	12
98	Trimodality Therapy in the Treatment of Stage III N2â€Positive Nonâ€Small Cell Lung Cancer: A National Cancer Database Analysis. Oncologist, 2020, 25, e964-e975.	3.7	12
99	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
100	Deep learningâ€based motion tracking using ultrasound images. Medical Physics, 2021, 48, 7747-7756.	3.0	12
101	Postoperative stereotactic radiosurgery for resected brain metastases: A comparison of outcomes for large resection cavities. Practical Radiation Oncology, 2017, 7, e419-e425.	2.1	11
102	Survival outcomes in patients with gastric and gastroesophageal junction adenocarcinomas treated with perioperative chemotherapy with or without preoperative radiotherapy. Cancer, 2020, 126, 37-45.	4.1	11
103	Male pelvic multiâ€organ segmentation on transrectal ultrasound using anchorâ€free mask CNN. Medical Physics, 2021, 48, 3055-3064.	3.0	11
104	Multi-organ auto-delineation in head-and-neck MRI for radiation therapy using regional convolutional neural network. Physics in Medicine and Biology, 2022, 67, 025006.	3.0	11
105	What happened to the US cancer cooperative groups? A status update ten years after the Institute of Medicine report. Cancer, 2020, 126, 5022-5029.	4.1	9
106	Male pelvic CT multi-organ segmentation using synthetic MRI-aided dual pyramid networks. Physics in Medicine and Biology, 2021, 66, 085007.	3.0	9
107	Echocardiographic image multiâ€structure segmentation using Cardiacâ€SegNet. Medical Physics, 2021, 48, 2426-2437.	3.0	9
108	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

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109	Improved prostate delineation in prostate <scp>HDR</scp> brachytherapy with <scp>TRUS</scp>â€‹<scp>CT</scp> deformable registration technology: A pilot study with <scp>MRI</scp> validation. Journal of Applied Clinical Medical Physics, 2017, 18, 202-210.	1.9	9
110	Improving image quality of cone-beam CT using alternating regression forest. , 2018, 10573, .		9
111	Deep learning-based thoracic CBCT correction with histogram matching. Biomedical Physics and Engineering Express, 2021, 7, 065040.	1.2	9
112	Learning-based synthetic dual energy CT imaging from single energy CT for stopping power ratio calculation in proton radiation therapy. British Journal of Radiology, 2022, 95, 20210644.	2.2	9
113	Defining an Intermediate-risk Group for Low-grade Glioma: A National Cancer Database Analysis. Anticancer Research, 2019, 39, 2911-2918.	1.1	8
114	Survival advantage of chemoradiotherapy in anaplastic thyroid carcinoma: Propensity score matched analysis with multiple subgroups. Head and Neck, 2020, 42, 678-687.	2.0	8
115	High through-plane resolution CT imaging with self-supervised deep learning. Physics in Medicine and Biology, 2021, 66, 145013.	3.0	8
116	Synthetic CTâ€‘aided multiorgan segmentation for CBCTâ€‘guided adaptive pancreatic radiotherapy. Medical Physics, 2021, 48, 7063-7073.	3.0	8
117	Surgical Outcomes for Early Stage Non-small Cell Lung Cancer at Facilities With Stereotactic Body Radiation Therapy Programs. Chest, 2022, 161, 833-844.	0.8	8
118	Ultrasound 2D strain estimator based on image registration for ultrasound elastography. Proceedings of SPIE, 2014, 9040, .	0.8	7
119	Ultrasound 2D strain measurement for arm lymphedema using deformable registration: A feasibility study. PLoS ONE, 2017, 12, e0181250.	2.5	7
120	The Influence of Histologic Grade on Outcomes of Elderly Women With Early Stage Breast Cancer Treated With Breast Conserving Surgery With or Without Radiotherapy. Clinical Breast Cancer, 2020, 20, e701-e710.	2.4	7
121	Selfâ€‘supervised learning for accelerated 3D highâ€‘resolution ultrasound imaging. Medical Physics, 2021, 48, 3916-3926.	3.0	7
122	Adaptive Estimation of Personalized Maximum Tolerated Dose in Cancer Phase I Clinical Trials Based on All Toxicities and Individual Genomic Profile. PLoS ONE, 2017, 12, e0170187.	2.5	6
123	Genomic copy number variation correlates with survival outcomes in WHO grade IV glioma. Scientific Reports, 2020, 10, 7355.	3.3	6
124	Automatic quantification of myocardium and pericardial fat from coronary computed tomography angiography: a multicenter study. European Radiology, 2021, 31, 3826-3836.	4.5	6
125	NRG Oncology Research Opportunities Within the New National Clinical Trials Network. Seminars in Oncology, 2014, 41, 553-555.	2.2	5
126	Overview of Thoracic Oncology Trials in Cooperative Groups Around the Globe. Clinical Lung Cancer, 2017, 18, 5-12.	2.6	5

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127	Predictors of pneumonitis-free survival following lung stereotactic body radiation therapy. Translational Lung Cancer Research, 2018, 8, 15-23.	2.8	5
128	Targeted sequencing and intracranial outcomes of patients with lung adenocarcinoma brain metastases treated with radiotherapy. Cancer, 2018, 124, 3586-3595.	4.1	5
129	Learning-Based Stopping Power Mapping on Dual-Energy CT for Proton Radiation Therapy. International Journal of Particle Therapy, 2021, 7, 46-60.	1.8	5
130	BRCA1 Protein Expression Predicts Survival in Glioblastoma Patients from an NRG Oncology RTOG Cohort. Oncology, 2021, 99, 580-588.	1.9	5
131	A new CT prostate segmentation for CT-based HDR brachytherapy. , 2014, 9036, 90362K.		4
132	A patch-based CBCT scatter artifact correction using prior CT. Proceedings of SPIE, 2017, 10132, .	0.8	4
133	External Validity of a Risk Stratification Score Predicting Early Distant Brain Failure and Salvage Whole Brain Radiation Therapy After Stereotactic Radiosurgery for Brain Metastases. International Journal of Radiation Oncology Biology Physics, 2017, 98, 632-638.	0.8	4
134	High-resolution CT image retrieval using sparse convolutional neural network. , 2018, 10573, .		4
135	External validity of two nomograms for predicting distant brain failure after radiosurgery for brain metastases in a bi-institutional independent patient cohort. Journal of Neuro-Oncology, 2018, 137, 147-154.	2.9	3
136	Reduced‐volume tumor‐bed boost is not associated with inferior local control and survival outcomes in high‐risk medulloblastoma. Pediatric Blood and Cancer, 2020, 67, e28027.	1.5	3
137	Thyroid gland delineation in noncontrast-enhanced CTs using deep convolutional neural networks. Physics in Medicine and Biology, 2021, 66, 055007.	3.0	3
138	A denoising algorithm for CT image using low-rank sparse coding. , 2018, 10574, .		3
139	Seeking New Approaches to Patients With Small Cell Lung Cancer. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2016, 35, e477-e482.	3.8	2
140	Artificial Intelligence in Quantitative Ultrasound Imaging. Journal of Ultrasound in Medicine, 2021, , .	1.7	2
141	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
142	Radiotherapy patterns of care in gastric adenocarcinoma: a single institution experience. Journal of Gastrointestinal Oncology, 2015, 6, 247-53.	1.4	2
143	A 3D neurovascular bundles segmentation method based on MR-TRUS deformable registration. , 2015, 9413, .		1
144	Interactive calculator for operating characteristics of phase I cancer clinical trials using standard 3+3 designs. Contemporary Clinical Trials Communications, 2018, 12, 145-153.	1.1	1

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145	Moderately Hypofractionated Radiation for Benign Meningiomas and Schwannomas: A Report of 70 Patients Treated Between 2008 and 2018. Advances in Radiation Oncology, 2020, 5, 1147-1151.	1.2	1
146	MRI classification using semantic random forest with auto-context model. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4753-4766.	2.0	1
147	Health care disparities among octogenarians and nonagenarians with stage III lung cancer.. Journal of Clinical Oncology, 2017, 35, e18075-e18075.	1.6	1
148	Progress and Infrastructure for Improved Patient Outcomes of the National Cancer Institute Network Groups. Seminars in Oncology, 2015, 42, 679-680.	2.2	0
149	CMET-01. CLINICAL AND DOSIMETRIC FACTORS RELATED TO RADIATION NECROSIS AFTER FIVE FRACTION RADIOSURGERY FOR RESECTED BRAIN METASTASES. Neuro-Oncology, 2018, 20, vi54-vi54.	1.2	0
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	Optimal thoracic radiation dose in limited stage small cell lung cancer.. Journal of Clinical Oncology, 2017, 35, 8562-8562.	1.6	0