

Lois C. Holloway

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9258119/lois-c-holloway-publications-by-citations.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

149
papers

1,868
citations

21
h-index

37
g-index

163
ext. papers

2,528
ext. citations

2.4
avg, IF

4.97
L-index

#	Paper	IF	Citations
149	Uncertainties in volume delineation in radiation oncology: A systematic review and recommendations for future studies. <i>Radiotherapy and Oncology</i> , 2016 , 121, 169-179	5.3	152
148	The potential for an enhanced role for MRI in radiation-therapy treatment planning. <i>Technology in Cancer Research and Treatment</i> , 2013 , 12, 429-46	2.7	122
147	Advances in kilovoltage x-ray beam dosimetry. <i>Physics in Medicine and Biology</i> , 2014 , 59, R183-231	3.8	104
146	A review of methods of analysis in contouring studies for radiation oncology. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2010 , 54, 401-10	1.7	93
145	MRI distortion: considerations for MRI based radiotherapy treatment planning. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2014 , 37, 103-13	1.9	85
144	A review of interventions to reduce inter-observer variability in volume delineation in radiation oncology. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2016 , 60, 393-406	1.7	83
143	The role of deep learning and radiomic feature extraction in cancer-specific predictive modelling: a review. <i>Translational Cancer Research</i> , 2018 , 7, 803-816	0.3	64
142	How important is dosimetrist experience for intensity modulated radiation therapy? A comparative analysis of a head and neck case. <i>Practical Radiation Oncology</i> , 2013 , 3, e99-e106	2.8	46
141	Continuous table acquisition MRI for radiotherapy treatment planning: distortion assessment with a new extended 3D volumetric phantom. <i>Medical Physics</i> , 2015 , 42, 1982-91	4.4	37
140	A review of segmentation and deformable registration methods applied to adaptive cervical cancer radiation therapy treatment planning. <i>Artificial Intelligence in Medicine</i> , 2015 , 64, 75-87	7.4	35
139	A review of medical image data augmentation techniques for deep learning applications. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021 , 65, 545-563	1.7	35
138	Rapid learning in practice: a lung cancer survival decision support system in routine patient care data. <i>Radiotherapy and Oncology</i> , 2014 , 113, 47-53	5.3	32
137	The integration of MRI in radiation therapy: collaboration of radiographers and radiation therapists. <i>Journal of Medical Radiation Sciences</i> , 2017 , 64, 61-68	1.5	31
136	Quantitative evaluation of diffusion-weighted imaging techniques for the purposes of radiotherapy planning in the prostate. <i>British Journal of Radiology</i> , 2015 , 88, 20150034	3.4	29
135	Magnetic resonance imaging in lung: a review of its potential for radiotherapy. <i>British Journal of Radiology</i> , 2016 , 89, 20150431	3.4	27
134	Feasibility of free breathing Lung MRI for Radiotherapy using non-Cartesian k-space acquisition schemes. <i>British Journal of Radiology</i> , 2017 , 90, 20170037	3.4	24
133	Feasibility of multi-atlas cardiac segmentation from thoracic planning CT in a probabilistic framework. <i>Physics in Medicine and Biology</i> , 2019 , 64, 085006	3.8	22

132	Prognostic utility of (18)F-FDG PET-CT performed prior to and during primary radiotherapy for nasopharyngeal carcinoma: Index node is a useful prognostic imaging biomarker site. <i>Radiotherapy and Oncology</i> , 2016 , 120, 87-91	5.3	22
131	A prediction model for early death in non-small cell lung cancer patients following curative-intent chemoradiotherapy. <i>Acta Oncologica</i> , 2018 , 57, 226-230	3.2	21
130	Comparison of setup accuracy of three different image assessment methods for tangential breast radiotherapy. <i>Journal of Medical Radiation Sciences</i> , 2016 , 63, 224-231	1.5	21
129	Correlation of contouring variation with modeled outcome for conformal non-small cell lung cancer radiotherapy. <i>Radiotherapy and Oncology</i> , 2014 , 112, 332-6	5.3	21
128	Australasian Gastrointestinal Trials Group (AGITG) and Trans-Tasman Radiation Oncology Group (TROG) Guidelines for Pancreatic Stereotactic Body Radiation Therapy (SBRT). <i>Practical Radiation Oncology</i> , 2020 , 10, e136-e146	2.8	21
127	Multicenter evaluation of MRI-based radiomic features: A phantom study. <i>Medical Physics</i> , 2020 , 47, 3054-3063	4.1	18
126	Characterization of optical transport effects on EPID dosimetry using Geant4. <i>Medical Physics</i> , 2013 , 40, 041708	4.4	18
125	An MRI-compatible patient rotation system - design, construction, and first organ deformation results. <i>Medical Physics</i> , 2017 , 44, 581-588	4.4	17
124	Characterization of a novel EPID designed for simultaneous imaging and dose verification in radiotherapy. <i>Medical Physics</i> , 2013 , 40, 091902	4.4	17
123	MRI geometric distortion: Impact on tangential whole-breast IMRT. <i>Journal of Applied Clinical Medical Physics</i> , 2016 , 17, 7-19	2.3	16
122	Sensitivity of a helical diode array dosimeter to Volumetric Modulated Arc Therapy delivery errors. <i>Physica Medica</i> , 2015 , 31, 1043-1054	2.7	15
121	Australian survey on current practices for breast radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2015 , 59, 736-42	1.7	15
120	A review of setup error in supine breast radiotherapy using cone-beam computed tomography. <i>Medical Dosimetry</i> , 2016 , 41, 225-9	1.3	15
119	A Multi-center Prospective Study for Implementation of an MRI-Only Prostate Treatment Planning Workflow. <i>Frontiers in Oncology</i> , 2019 , 9, 826	5.3	15
118	3D printed phantoms mimicking cortical bone for the assessment of ultrashort echo time magnetic resonance imaging. <i>Medical Physics</i> , 2018 , 45, 758-766	4.4	15
117	Assessment of serial multi-parametric functional MRI (diffusion-weighted imaging and R2*) with (18)F-FDG-PET in patients with head and neck cancer treated with radiation therapy. <i>British Journal of Radiology</i> , 2016 , 89, 20150530	3.4	14
116	An investigation of dose changes for therapeutic kilovoltage X-ray beams with underlying lead shielding. <i>Medical Physics</i> , 2007 , 34, 3045-53	4.4	14
115	Quantification of cardiac subvolume dosimetry using a 17 segment model of the left ventricle in breast cancer patients receiving tangential beam radiotherapy. <i>Radiotherapy and Oncology</i> , 2019 , 132, 257-265	5.3	14

114	Multi-institutional comparison of simulated treatment delivery errors in ssIMRT, manually planned VMAT and autoplan-VMAT plans for nasopharyngeal radiotherapy. <i>Physica Medica</i> , 2017 , 42, 55-66	2.7	13
113	Comp Plan: A computer program to generate dose and radiobiological metrics from dose-volume histogram files. <i>Medical Dosimetry</i> , 2012 , 37, 305-9	1.3	13
112	Commissioning and quality control of a dedicated wide bore 3T MRI simulator for radiotherapy planning. <i>International Journal of Cancer Therapy and Oncology</i> , 2016 , 4, 421		13
111	Comparison of Magnetic Resonance Imaging and Computed Tomography for Breast Target Volume Delineation in Prone and Supine Positions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 96, 905-912	4	13
110	Nodal parameters of FDG PET/CT performed during radiotherapy for locally advanced mucosal primary head and neck squamous cell carcinoma can predict treatment outcomes: SUVmean and response rate are useful imaging biomarkers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 801-811	8.8	12
109	Megavoltage cone beam CT near surface dose measurements: potential implications for breast radiotherapy. <i>Medical Physics</i> , 2011 , 38, 6222-7	4.4	12
108	Comparison of three commercial dosimetric systems in detecting clinically significant VMAT delivery errors. <i>Physica Medica</i> , 2016 , 32, 1238-1244	2.7	11
107	A novel electron accelerator for MRI-Linac radiotherapy. <i>Medical Physics</i> , 2016 , 43, 1285-94	4.4	11
106	Pre-treatment verification of lung SBRT VMAT plans with delivery errors: Toward a better understanding of the gamma index analysis. <i>Physica Medica</i> , 2018 , 49, 119-128	2.7	10
105	A review of the predictive role of functional imaging in patients with mucosal primary head and neck cancer treated with radiation therapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2017 , 61, 99-123	1.7	10
104	Assessment of MRI image quality for various setup positions used in breast radiotherapy planning. <i>Radiotherapy and Oncology</i> , 2016 , 119, 57-60	5.3	10
103	Multi-observer contouring of male pelvic anatomy: Highly variable agreement across conventional and emerging structures of interest. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2019 , 63, 264-271	1.7	10
102	Endorectal balloons in the post prostatectomy setting: do gains in stability lead to more predictable dosimetry?. <i>Radiotherapy and Oncology</i> , 2013 , 109, 493-7	5.3	9
101	An online x-ray based position validation system for prostate hypofractionated radiotherapy. <i>Medical Physics</i> , 2016 , 43, 961-74	4.4	9
100	TROG 18.01 phase III randomised clinical trial of the Novel Integration of New prostate radiation schedules with adJuvant Androgen deprivation: NINJA study protocol. <i>BMJ Open</i> , 2019 , 9, e030731	3	9
99	Utilising pseudo-CT data for dose calculation and plan optimization in adaptive radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2015 , 38, 561-8	1.9	8
98	An assessment of image distortion and CT number accuracy within a wide-bore CT extended field of view. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2015 , 38, 255-61	1.9	8
97	Experimental characterization of magnetically focused electron contamination at the surface of a high-field inline MRI-linac. <i>Medical Physics</i> , 2019 , 46, 5780-5789	4.4	8

96	Radiation dose and contralateral breast cancer risk associated with megavoltage cone-beam computed tomographic image verification in breast radiation therapy. <i>Practical Radiation Oncology</i> , 2013 , 3, 93-100	2.8	8
95	Normal tissue dose and second cancer risk due to megavoltage fan-beam CT, static tomotherapy and helical tomotherapy in breast radiotherapy. <i>Radiotherapy and Oncology</i> , 2013 , 108, 266-8	5.3	8
94	Investigating the impact of treatment delivery uncertainties on treatment effectiveness for lung SABR. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017 , 40, 823-829	1.9	8
93	Geometric distortion characterization and correction for the 1.0T Australian MRI-linac system using an inverse electromagnetic method. <i>Medical Physics</i> , 2020 , 47, 1126-1138	4.4	8
92	Clinical significance of treatment delivery errors for helical TomoTherapy nasopharyngeal plans - A dosimetric simulation study. <i>Physica Medica</i> , 2017 , 33, 159-169	2.7	7
91	Contour variation is a primary source of error when delivering post prostatectomy radiotherapy: Results of the Trans-Tasman Radiation Oncology Group 08.03 Radiotherapy Adjuvant Versus Early Salvage (RAVES) benchmarking exercise. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2019 , 43, 288-298	1.7	7
90	First measurements with a plastic scintillation dosimeter at the Australian MRI-LINAC. <i>Physics in Medicine and Biology</i> , 2019 , 64, 175015	3.8	7
89	Independent calculation-based verification of IMRT plans using a 3D dose-calculation engine. <i>Medical Dosimetry</i> , 2013 , 38, 376-84	1.3	7
88	Feasibility study of a dual detector configuration concept for simultaneous megavoltage imaging and dose verification in radiotherapy. <i>Medical Physics</i> , 2015 , 42, 1753-64	4.4	7
87	Thermoluminescent dosimetry (TLD) for megavoltage electron beam energy determination. <i>Radiation Measurements</i> , 2010 , 45, 698-700	1.5	7
86	Use of thermoluminescent dosimetry (TLD) for quality assurance of orthovoltage X-ray therapy machines. <i>Radiation Measurements</i> , 2008 , 43, 908-911	1.5	7
85	Localised delineation uncertainty for iterative atlas selection in automatic cardiac segmentation. <i>Physics in Medicine and Biology</i> , 2020 , 65, 035011	3.8	7
84	Machine learning applications in radiation oncology. <i>Physics and Imaging in Radiation Oncology</i> , 2021 , 19, 13-24	3.1	7
83	Lung cancer radiation therapy in Australia and New Zealand: Patterns of practice. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2016 , 60, 677-685	1.7	7
82	Performance of a clinical gridded electron gun in magnetic fields: Implications for MRI-linac therapy. <i>Medical Physics</i> , 2016 , 43, 5903	4.4	7
81	Comparison of automatic image registration uncertainty for three IGRT systems using a male pelvis phantom. <i>Journal of Applied Clinical Medical Physics</i> , 2016 , 17, 283-292	2.3	7
80	Similarity clustering-based atlas selection for pelvic CT image segmentation. <i>Medical Physics</i> , 2019 , 46, 2243-2250	4.4	6
79	Dose calibration of EPIDs for segmented IMRT dosimetry. <i>Journal of Applied Clinical Medical Physics</i> , 2014 , 15, 4895	2.3	6

78	Clinical implementation of an exit detector-based dose reconstruction tool for helical tomotherapy delivery quality assurance. <i>Medical Physics</i> , 2017 , 44, 5457-5466	4.4	6
77	The effect of imputing missing clinical attribute values on training lung cancer survival prediction model performance. <i>Health Information Science and Systems</i> , 2017 , 5, 16	5.1	6
76	Support of large breasts during tangential irradiation using a micro-shell and minimizing the skin dose--a pilot study. <i>Medical Dosimetry</i> , 2005 , 30, 31-5	1.3	6
75	Reduced Dose Posterior to Prostate Correlates With Increased PSA Progression in Voxel-Based Analysis of 3 Randomized Phase 3 Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 108, 1304-1318	4	6
74	Technical Note: Penumbra width trimming in solid lung dose profiles for 0.9 and 1.5 T MRI-Linac prototypes. <i>Medical Physics</i> , 2018 , 45, 479-487	4.4	6
73	Patient reported outcomes of slow, single arc rotation: Do we need rotating gantries?. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2017 , 62, 553	1.7	6
72	Risks and benefits of reducing target volume margins in breast tangent radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017 , 40, 305-315	1.9	5
71	Evaluating diffusion-weighted magnetic resonance imaging for target volume delineation in head and neck radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2019 , 63, 399-407	1.7	5
70	Dose planning variations related to delineation variations in MRI-guided brachytherapy for locally advanced cervical cancer. <i>Brachytherapy</i> , 2020 , 19, 146-153	2.4	5
69	Multiparametric magnetic resonance imaging in mucosal primary head and neck cancer: a prospective imaging biomarker study. <i>BMC Cancer</i> , 2017 , 17, 475	4.8	5
68	The impact of imaging modality (CT vs MRI) and patient position (supine vs prone) on tangential whole breast radiation therapy planning. <i>Practical Radiation Oncology</i> , 2018 , 8, e87-e97	2.8	5
67	Initial experiments with gel-water: towards MRI-linac dosimetry and imaging. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2016 , 39, 921-932	1.9	5
66	A novel electron gun for inline MRI-linac configurations. <i>Medical Physics</i> , 2014 , 41, 022301	4.4	5
65	Comparison of digitally reconstructed radiographs generated from axial and helical CT scanning modes: a phantom study. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2014 , 37, 285-90	1.9	5
64	MRI in radiotherapy for lung cancer: A free-breathing protocol at 3T. <i>Practical Radiation Oncology</i> , 2017 , 7, e175-e183	2.8	5
63	Comparison of Oncentra [®] Brachy IPSA and graphical optimisation techniques: a case study of HDR brachytherapy head and neck and prostate plans. <i>Journal of Medical Radiation Sciences</i> , 2015 , 62, 168-74 ¹⁻⁵	1.5	5
62	Benchmarking the gamma pass score using ArcCHECK for routine dosimetric QA of VMAT plans. <i>Journal of Physics: Conference Series</i> , 2015 , 573, 012040	0.3	5
61	Imaging dose in breast radiotherapy: does breast size affect the dose to the organs at risk and the risk of secondary cancer to the contralateral breast?. <i>Journal of Medical Radiation Sciences</i> , 2015 , 62, 32-9	1.5	5

60	An accuracy assessment of different rigid body image registration methods and robotic couch positional corrections using a novel phantom. <i>Medical Physics</i> , 2013 , 40, 031701	4.4	5
59	Analysis of cardiac substructure dose in a large, multi-centre danish breast cancer cohort (the DBCG HYPO trial): Trends and predictive modelling. <i>Radiotherapy and Oncology</i> , 2020 , 153, 130-138	5.3	5
58	Relationships between rectal and perirectal doses and rectal bleeding or tenesmus in pooled voxel-based analysis of 3 randomised phase III trials. <i>Radiotherapy and Oncology</i> , 2020 , 150, 281-292	5.3	5
57	Implementation of a rapid learning platform: Predicting 2-year survival in laryngeal carcinoma patients in a clinical setting. <i>Oncotarget</i> , 2016 , 7, 37288-37296	3.3	5
56	Results of the Australasian (Trans-Tasman Oncology Group) radiotherapy benchmarking exercise in preparation for participation in the PORTEC-3 trial. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2016 , 60, 554-9	1.7	5
55	Sensitivity evaluation of two commercial dosimeters in detecting Helical TomoTherapy treatment delivery errors. <i>Physica Medica</i> , 2017 , 37, 68-74	2.7	4
54	Variable angle stereo imaging for rapid patient position correction in an in-house real-time position monitoring system. <i>Physica Medica</i> , 2017 , 33, 170-178	2.7	4
53	A phantom assessment of achievable contouring concordance across multiple treatment planning systems. <i>Radiotherapy and Oncology</i> , 2015 , 117, 438-41	5.3	4
52	Assessment of electron density effects on dose calculation and optimisation accuracy for nasopharynx, for MRI only treatment planning. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018 , 41, 811-820	1.9	4
51	The impact of a radiologist-led workshop on MRI target volume delineation for radiotherapy. <i>Journal of Medical Radiation Sciences</i> , 2018 , 65, 300-310	1.5	4
50	Kilovoltage cone-beam CT imaging dose during breast radiotherapy: a dose comparison between a left and right breast setup. <i>Medical Dosimetry</i> , 2014 , 39, 190-3	1.3	4
49	Evaluation of the ability of a 2D ionisation chamber array and an EPID to detect systematic delivery errors in IMRT plans. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012071	0.3	4
48	Three dimensional dose verification of VMAT plans using the Octavius 4D dosimetric system. <i>Journal of Physics: Conference Series</i> , 2015 , 573, 012081	0.3	4
47	2-D radiation therapy dosimetry using EPIDs: Dose response variation between 3 siemens electronic portal imaging devices (EPIDs). <i>Radiation Measurements</i> , 2011 , 46, 1916-1919	1.5	4
46	Quantitative MRI: Defining repeatability, reproducibility and accuracy for prostate cancer imaging biomarker development. <i>Magnetic Resonance Imaging</i> , 2021 , 77, 169-179	3.3	4
45	EPID sensitivity to delivery errors for pre-treatment verification of lung SBRT VMAT plans. <i>Physica Medica</i> , 2019 , 59, 37-46	2.7	4
44	Using Machine Learning Applied to Radiomic Image Features for Segmenting Tumour Structures 2019 ,		4
43	An assessment of set up position for MRI scanning for the purposes of rectal cancer radiotherapy treatment planning. <i>Journal of Medical Radiation Sciences</i> , 2018 , 65, 22-30	1.5	3

42	Superior target volume and organ stability with the use of endorectal balloons in post-prostatectomy radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2015 , 59, 507-513	1.7	3
41	Segmental Cardiac Radiation Dose Determines Magnitude of Regional Cardiac Dysfunction. <i>Journal of the American Heart Association</i> , 2021 , 10, e019476	6	3
40	Implementation of the Australian Computer-Assisted Theragnostics (AusCAT) network for radiation oncology data extraction, reporting and distributed learning. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021 , 65, 627-636	1.7	3
39	A comparison between radiation therapists and medical specialists in the use of kilovoltage cone-beam computed tomography scans for potential lung cancer radiotherapy target verification and adaptation. <i>Medical Dosimetry</i> , 2016 , 41, 1-6	1.3	2
38	The impact of contour variation on tumour control probability in anal cancer. <i>Radiation Oncology</i> , 2018 , 13, 97	4.2	2
37	High-risk CTV delineation for cervix brachytherapy: Application of GEC-ESTRO guidelines in Australia and New Zealand. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2017 , 61, 133-140	1.7	2
36	Is a quasi-3D dosimeter better than a 2D dosimeter for Tomotherapy delivery quality assurance?. <i>Journal of Physics: Conference Series</i> , 2015 , 573, 012077	0.3	2
35	Streamlining EPID-based IMRT quality assurance: auto-analysis and auto-report generation. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012084	0.3	2
34	An algorithm to calculate a collapsed arc dose matrix in volumetric modulated arc therapy. <i>Medical Physics</i> , 2013 , 40, 071724	4.4	2
33	Measurements of human tolerance to horizontal rotation within an MRI scanner: Towards gantry-free radiation therapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021 , 65, 112-119	1.7	2
32	Automated post-operative brain tumour segmentation: A deep learning model based on transfer learning from pre-operative images. <i>Magnetic Resonance Imaging</i> , 2021 , 86, 28-36	3.3	2
31	Intrinsic detector sensitivity analysis as a tool to characterize ArcCHECK and EPID sensitivity to variations in delivery for lung SBRT VMAT plans. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 229-240	2.3	2
30	Deep learning for segmentation in radiation therapy planning: a review. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021 , 65, 578-595	1.7	2
29	A feasibility study for high-resolution silicon array detector performance in the magnetic field of a permanent magnet system. <i>Medical Physics</i> , 2019 , 46, 4224-4232	4.4	1
28	Impact of dosimetric differences between CT and MRI derived target volumes for external beam cervical cancer radiotherapy. <i>British Journal of Radiology</i> , 2020 , 93, 20190564	3.4	1
27	MRI-LINAC beam profile measurements using a plastic scintillation dosimeter. <i>Physica Medica</i> , 2020 , 73, 111-116	2.7	1
26	Technical Note: Experimental characterization of the dose deposition in parallel MRI-linacs at various magnetic field strengths. <i>Medical Physics</i> , 2019 , 46, 5152-5158	4.4	1
25	A comprehensive tool to analyse dynamic log files from an Elekta-Synergy accelerator. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012068	0.3	1

24	An investigation into positron emission tomography contouring methods across two treatment planning systems. <i>Medical Dosimetry</i> , 2013 , 38, 60-5	1.3	1
23	Sensitivity of collapsed arc QA method for delivery errors in Volumetric Modulated Arc Therapy (VMAT). <i>Journal of Physics: Conference Series</i> , 2015 , 573, 012021	0.3	1
22	Impact of patient rotational errors on target and critical structure dose in IMRT: A 3D simulation study. <i>Journal of Physics: Conference Series</i> , 2013 , 444, 012045	0.3	1
21	In Regard to Shortall et al.. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022 , 112, 831-833	1	1
20	High resolution silicon array detector implementation in an inline MRI-linac. <i>Medical Physics</i> , 2020 , 47, 1920-1929	4.4	1
19	An investigation of the IQM signal variation and error detection sensitivity for patient specific pre-treatment QA. <i>Physica Medica</i> , 2021 , 86, 6-18	2.7	1
18	The effect of imaging modality (magnetic resonance imaging vs. computed tomography) and patient position (supine vs. prone) on target and organ at risk doses in partial breast irradiation. <i>Journal of Medical Radiation Sciences</i> , 2021 , 68, 157-166	1.5	1
17	Assessing tumor centrality in lung stereotactic ablative body radiotherapy (SABR): the effects of variations in bronchial tree delineation and potential for automated methods. <i>Medical Dosimetry</i> , 2021 , 46, 94-101	1.3	1
16	Determining the longitudinal accuracy and reproducibility of T and T in a 3T MRI scanner. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 143-150	2.3	1
15	Validation of a new open-source method for automatic delineation and dose assessment of the heart and LADCA in breast radiotherapy with simultaneous uncertainty estimation. <i>Physics in Medicine and Biology</i> , 2021 , 66, 035014	3.8	1
14	4D Monte Carlo dose calculations for pre-treatment quality assurance of VMAT SBRT: a phantom-based feasibility study. <i>Physics in Medicine and Biology</i> , 2019 , 64, 21NT01	3.8	0
13	Training radiomics-based CNNs for clinical outcome prediction: Challenges, strategies and findings.. <i>Artificial Intelligence in Medicine</i> , 2022 , 123, 102230	7.4	0
12	Evaluation of the ability of three commercially available dosimeters to detect systematic delivery errors in step-and-shoot IMRT plans. <i>Reports of Practical Oncology and Radiotherapy</i> , 2021 , 26, 793-803	1.5	0
11	A statistical, voxelised model of prostate cancer for biologically optimised radiotherapy.. <i>Physics and Imaging in Radiation Oncology</i> , 2022 , 21, 136-145	3.1	0
10	PyCMSXiO: an external interface to script treatment plans for the Elekta [®] CMS XiO treatment planning system. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012063	0.3	
9	A decision support tool to optimize IMRT QA workflow in a multi-vendor equipment environment. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012069	0.3	
8	Commissioning of SharePlan: The Liverpool Experience. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012064	0.3	
7	A Survey of Cervix Segmentation Methods in Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , 2013 , 290-298	0.9	

6	Assessment of dose variation for accelerated partial-breast irradiation using rigid and deformable image registrations. <i>Practical Radiation Oncology</i> , 2017 , 7, e9-e17	2.8
5	Validation of 3DVH estimated DVH metrics for prostate VMAT plans. <i>Journal of Physics: Conference Series</i> , 2015 , 573, 012053	0.3
4	Evaluation of 3D Gamma index calculation implemented in two commercial dosimetry systems. <i>Journal of Physics: Conference Series</i> , 2015 , 573, 012054	0.3
3	Can reducing planning safety margins broaden the inclusion criteria for lung stereotactic ablative body radiotherapy?. <i>Journal of Medical Radiation Sciences</i> , 2021 , 68, 298-309	1.5
2	Effects of MR imaging time reduction on substitute CT generation for prostate MRI-only treatment planning. <i>Physical and Engineering Sciences in Medicine</i> , 2021 , 44, 799-807	7
1	Optimal and actual rates of Stereotactic Ablative Body Radiotherapy (SABR) utilisation for primary lung cancer in Australia.. <i>Clinical and Translational Radiation Oncology</i> , 2022 , 34, 7-14	4.6