

# Lois C. Holloway

## 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.

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	Training radiomics-based CNNs for clinical outcome prediction: Challenges, strategies and findings.. <i>Artificial Intelligence in Medicine</i> , <b>2022</b> , 123, 102230	7.4	0
148	In Regard to Shortall et al.. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2022</b> , 112, 831-833	3.1	1
147	A statistical, voxelised model of prostate cancer for biologically optimised radiotherapy.. <i>Physics and Imaging in Radiation Oncology</i> , <b>2022</b> , 21, 136-145	3.1	0
146	Optimal and actual rates of Stereotactic Ablative Body Radiotherapy (SABR) utilisation for primary lung cancer in Australia.. <i>Clinical and Translational Radiation Oncology</i> , <b>2022</b> , 34, 7-14	4.6	
145	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> , <b>2021</b> , 65, 112-119	1.7	2
144	Automated post-operative brain tumour segmentation: A deep learning model based on transfer learning from pre-operative images. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 86, 28-36	3.3	2
143	Quantitative MRI: Defining repeatability, reproducibility and accuracy for prostate cancer imaging biomarker development. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 77, 169-179	3.3	4
142	Can reducing planning safety margins broaden the inclusion criteria for lung stereotactic ablative body radiotherapy?. <i>Journal of Medical Radiation Sciences</i> , <b>2021</b> , 68, 298-309	1.5	
141	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> , <b>2021</b> , 22, 229-240	2.3	2
140	An investigation of the IQM signal variation and error detection sensitivity for patient specific pre-treatment QA. <i>Physica Medica</i> , <b>2021</b> , 86, 6-18	2.7	1
139	A review of medical image data augmentation techniques for deep learning applications. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2021</b> , 65, 545-563	1.7	35
138	Effects of MR imaging time reduction on substitute CT generation for prostate MRI-only treatment planning. <i>Physical and Engineering Sciences in Medicine</i> , <b>2021</b> , 44, 799-807	7	
137	Machine learning applications in radiation oncology. <i>Physics and Imaging in Radiation Oncology</i> , <b>2021</b> , 19, 13-24	3.1	7
136	Deep learning for segmentation in radiation therapy planning: a review. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2021</b> , 65, 578-595	1.7	2
135	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> , <b>2021</b> , 68, 157-166	1.5	1
134	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> , <b>2021</b> , 46, 94-101	1.3	1
133	Segmental Cardiac Radiation Dose Determines Magnitude of Regional Cardiac Dysfunction. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e019476	6	3

132	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> , <b>2021</b> , 65, 627-636	1.7	3
131	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> , <b>2021</b> , 26, 793-803	1.5	0
130	Determining the longitudinal accuracy and reproducibility of T and T in a 3T MRI scanner. <i>Journal of Applied Clinical Medical Physics</i> , <b>2021</b> , 22, 143-150	2.3	1
129	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> , <b>2021</b> , 66, 035014	3.8	1
128	Impact of dosimetric differences between CT and MRI derived target volumes for external beam cervical cancer radiotherapy. <i>British Journal of Radiology</i> , <b>2020</b> , 93, 20190564	3.4	1
127	MRI-LINAC beam profile measurements using a plastic scintillation dosimeter. <i>Physica Medica</i> , <b>2020</b> , 73, 111-116	2.7	1
126	Dose planning variations related to delineation variations in MRI-guided brachytherapy for locally advanced cervical cancer. <i>Brachytherapy</i> , <b>2020</b> , 19, 146-153	2.4	5
125	Multicenter evaluation of MRI-based radiomic features: A phantom study. <i>Medical Physics</i> , <b>2020</b> , 47, 3054-3063	4.1	8
124	High resolution silicon array detector implementation in an inline MRI-linac. <i>Medical Physics</i> , <b>2020</b> , 47, 1920-1929	4.4	1
123	Geometric distortion characterization and correction for the 1.0T Australian MRI-linac system using an inverse electromagnetic method. <i>Medical Physics</i> , <b>2020</b> , 47, 1126-1138	4.4	8
122	Localised delineation uncertainty for iterative atlas selection in automatic cardiac segmentation. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 035011	3.8	7
121	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> , <b>2020</b> , 10, e136-e146	2.8	21
120	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> , <b>2020</b> , 153, 130-138	5.3	5
119	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> , <b>2020</b> , 108, 1304-1318	4	6
118	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> , <b>2020</b> , 150, 281-292	5.3	5
117	A feasibility study for high-resolution silicon array detector performance in the magnetic field of a permanent magnet system. <i>Medical Physics</i> , <b>2019</b> , 46, 4224-4232	4.4	1
116	Similarity clustering-based atlas selection for pelvic CT image segmentation. <i>Medical Physics</i> , <b>2019</b> , 46, 2243-2250	4.4	6
115	Evaluating diffusion-weighted magnetic resonance imaging for target volume delineation in head and neck radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2019</b> , 63, 399-407	1.7	5

114	Feasibility of multi-atlas cardiac segmentation from thoracic planning CT in a probabilistic framework. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 085006	3.8	22
113	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> , <b>2019</b> , 43, 390-398	1.7	7
112	Technical Note: Experimental characterization of the dose deposition in parallel MRI-linacs at various magnetic field strengths. <i>Medical Physics</i> , <b>2019</b> , 46, 5152-5158	4.4	1
111	First measurements with a plastic scintillation dosimeter at the Australian MRI-LINAC. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 175015	3.8	7
110	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> , <b>2019</b> , 64, 21NT01	3.8	0
109	Experimental characterization of magnetically focused electron contamination at the surface of a high-field inline MRI-linac. <i>Medical Physics</i> , <b>2019</b> , 46, 5780-5789	4.4	8
108	EPID sensitivity to delivery errors for pre-treatment verification of lung SBRT VMAT plans. <i>Physica Medica</i> , <b>2019</b> , 59, 37-46	2.7	4
107	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> , <b>2019</b> , 9, e030731	3	9
106	Using Machine Learning Applied to Radiomic Image Features for Segmenting Tumour Structures <b>2019</b> ,		4
105	A Multi-center Prospective Study for Implementation of an MRI-Only Prostate Treatment Planning Workflow. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 826	5.3	15
104	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> , <b>2019</b> , 132, 257-265	5.3	14
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> , <b>2019</b> , 63, 264-271	1.7	10
102	Pre-treatment verification of lung SBRT VMAT plans with delivery errors: Toward a better understanding of the gamma index analysis. <i>Physica Medica</i> , <b>2018</b> , 49, 119-128	2.7	10
101	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> , <b>2018</b> , 65, 22-30	1.5	3
100	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> , <b>2018</b> , 8, e87-e97	2.8	5
99	A prediction model for early death in non-small cell lung cancer patients following curative-intent chemoradiotherapy. <i>Acta Oncologica</i> , <b>2018</b> , 57, 226-230	3.2	21
98	The impact of contour variation on tumour control probability in anal cancer. <i>Radiation Oncology</i> , <b>2018</b> , 13, 97	4.2	2
97	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> , <b>2018</b> , 41, 811-820	1.9	4

96	The impact of a radiologist-led workshop on MRI target volume delineation for radiotherapy. <i>Journal of Medical Radiation Sciences</i> , <b>2018</b> , 65, 300-310	1.5	4
95	The role of deep learning and radiomic feature extraction in cancer-specific predictive modelling: a review. <i>Translational Cancer Research</i> , <b>2018</b> , 7, 803-816	0.3	64
94	3D printed phantoms mimicking cortical bone for the assessment of ultrashort echo time magnetic resonance imaging. <i>Medical Physics</i> , <b>2018</b> , 45, 758-766	4.4	15
93	Technical Note: Penumbra width trimming in solid lung dose profiles for 0.9 and 1.5 T MRI-Linac prototypes. <i>Medical Physics</i> , <b>2018</b> , 45, 479-487	4.4	6
92	Clinical significance of treatment delivery errors for helical TomoTherapy nasopharyngeal plans - A dosimetric simulation study. <i>Physica Medica</i> , <b>2017</b> , 33, 159-169	2.7	7
91	Risks and benefits of reducing target volume margins in breast tangent radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2017</b> , 40, 305-315	1.9	5
90	Sensitivity evaluation of two commercial dosimeters in detecting Helical TomoTherapy treatment delivery errors. <i>Physica Medica</i> , <b>2017</b> , 37, 68-74	2.7	4
89	The integration of MRI in radiation therapy: collaboration of radiographers and radiation therapists. <i>Journal of Medical Radiation Sciences</i> , <b>2017</b> , 64, 61-68	1.5	31
88	Variable angle stereo imaging for rapid patient position correction in an in-house real-time position monitoring system. <i>Physica Medica</i> , <b>2017</b> , 33, 170-178	2.7	4
87	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> , <b>2017</b> , 44, 801-811	8.8	12
86	An MRI-compatible patient rotation system - design, construction, and first organ deformation results. <i>Medical Physics</i> , <b>2017</b> , 44, 581-588	4.4	17
85	Multi-institutional comparison of simulated treatment delivery errors in ssIMRT, manually planned VMAT and autoplan-VMAT plans for nasopharyngeal radiotherapy. <i>Physica Medica</i> , <b>2017</b> , 42, 55-66	2.7	13
84	Feasibility of free breathing Lung MRI for Radiotherapy using non-Cartesian k-space acquisition schemes. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20170037	3.4	24
83	Multiparametric magnetic resonance imaging in mucosal primary head and neck cancer: a prospective imaging biomarker study. <i>BMC Cancer</i> , <b>2017</b> , 17, 475	4.8	5
82	Clinical implementation of an exit detector-based dose reconstruction tool for helical tomotherapy delivery quality assurance. <i>Medical Physics</i> , <b>2017</b> , 44, 5457-5466	4.4	6
81	Investigating the impact of treatment delivery uncertainties on treatment effectiveness for lung SABR. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2017</b> , 40, 823-829	1.9	8
80	MRI in radiotherapy for lung cancer: A free-breathing protocol at 3T. <i>Practical Radiation Oncology</i> , <b>2017</b> , 7, e175-e183	2.8	5
79	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> , <b>2017</b> , 61, 99-123	1.7	10

78	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> , <b>2017</b> , 61, 133-140	1.7	2
77	Assessment of dose variation for accelerated partial-breast irradiation using rigid and deformable image registrations. <i>Practical Radiation Oncology</i> , <b>2017</b> , 7, e9-e17	2.8	
76	The effect of imputing missing clinical attribute values on training lung cancer survival prediction model performance. <i>Health Information Science and Systems</i> , <b>2017</b> , 5, 16	5.1	6
75	Patient reported outcomes of slow, single arc rotation: Do we need rotating gantries?. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2017</b> , 62, 553	1.7	6
74	Initial experiments with gel-water: towards MRI-linac dosimetry and imaging. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2016</b> , 39, 921-932	1.9	5
73	Comparison of three commercial dosimetric systems in detecting clinically significant VMAT delivery errors. <i>Physica Medica</i> , <b>2016</b> , 32, 1238-1244	2.7	11
72	Comparison of setup accuracy of three different image assessment methods for tangential breast radiotherapy. <i>Journal of Medical Radiation Sciences</i> , <b>2016</b> , 63, 224-231	1.5	21
71	A review of interventions to reduce inter-observer variability in volume delineation in radiation oncology. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2016</b> , 60, 393-406	1.7	83
70	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> , <b>2016</b> , 41, 1-6	1.3	2
69	Magnetic resonance imaging in lung: a review of its potential for radiotherapy. <i>British Journal of Radiology</i> , <b>2016</b> , 89, 20150431	3.4	27
68	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> , <b>2016</b> , 89, 20150530	3.4	14
67	Commissioning and quality control of a dedicated wide bore 3T MRI simulator for radiotherapy planning. <i>International Journal of Cancer Therapy and Oncology</i> , <b>2016</b> , 4, 421		13
66	Implementation of a rapid learning platform: Predicting 2-year survival in laryngeal carcinoma patients in a clinical setting. <i>Oncotarget</i> , <b>2016</b> , 7, 37288-37296	3.3	5
65	Lung cancer radiation therapy in Australia and New Zealand: Patterns of practice. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2016</b> , 60, 677-685	1.7	7
64	A review of setup error in supine breast radiotherapy using cone-beam computed tomography. <i>Medical Dosimetry</i> , <b>2016</b> , 41, 225-9	1.3	15
63	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> , <b>2016</b> , 60, 554-9	1.7	5
62	A novel electron accelerator for MRI-Linac radiotherapy. <i>Medical Physics</i> , <b>2016</b> , 43, 1285-94	4.4	11
61	MRI geometric distortion: Impact on tangential whole-breast IMRT. <i>Journal of Applied Clinical Medical Physics</i> , <b>2016</b> , 17, 7-19	2.3	16

60	Performance of a clinical gridded electron gun in magnetic fields: Implications for MRI-linac therapy. <i>Medical Physics</i> , <b>2016</b> , 43, 5903	4.4	7
59	Comparison of automatic image registration uncertainty for three IGRT systems using a male pelvis phantom. <i>Journal of Applied Clinical Medical Physics</i> , <b>2016</b> , 17, 283-292	2.3	7
58	An online x-ray based position validation system for prostate hypofractionated radiotherapy. <i>Medical Physics</i> , <b>2016</b> , 43, 961-74	4.4	9
57	Assessment of MRI image quality for various setup positions used in breast radiotherapy planning. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 119, 57-60	5.3	10
56	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> , <b>2016</b> , 120, 87-91	5.3	22
55	Uncertainties in volume delineation in radiation oncology: A systematic review and recommendations for future studies. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 121, 169-179	5.3	152
54	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> , <b>2016</b> , 96, 905-912	4	13
53	A review of segmentation and deformable registration methods applied to adaptive cervical cancer radiation therapy treatment planning. <i>Artificial Intelligence in Medicine</i> , <b>2015</b> , 64, 75-87	7.4	35
52	Quantitative evaluation of diffusion-weighted imaging techniques for the purposes of radiotherapy planning in the prostate. <i>British Journal of Radiology</i> , <b>2015</b> , 88, 20150034	3.4	29
51	Utilising pseudo-CT data for dose calculation and plan optimization in adaptive radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2015</b> , 38, 561-8	1.9	8
50	A phantom assessment of achievable contouring concordance across multiple treatment planning systems. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 117, 438-41	5.3	4
49	Continuous table acquisition MRI for radiotherapy treatment planning: distortion assessment with a new extended 3D volumetric phantom. <i>Medical Physics</i> , <b>2015</b> , 42, 1982-91	4.4	37
48	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> , <b>2015</b> , 38, 255-61	1.9	8
47	Comparison of Oncentra <sup>®</sup> 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> , <b>2015</b> , 62, 168-74 <sup>1.5</sup>		5
46	Feasibility study of a dual detector configuration concept for simultaneous megavoltage imaging and dose verification in radiotherapy. <i>Medical Physics</i> , <b>2015</b> , 42, 1753-64	4.4	7
45	Sensitivity of a helical diode array dosimeter to Volumetric Modulated Arc Therapy delivery errors. <i>Physica Medica</i> , <b>2015</b> , 31, 1043-1054	2.7	15
44	Sensitivity of collapsed arc QA method for delivery errors in Volumetric Modulated Arc Therapy (VMAT). <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 573, 012021	0.3	1
43	Is a quasi-3D dosimeter better than a 2D dosimeter for Tomotherapy delivery quality assurance?. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 573, 012077	0.3	2

42	Three dimensional dose verification of VMAT plans using the Octavius 4D dosimetric system. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 573, 012081	0.3	4
41	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> , <b>2015</b> , 59, 507-513 <sup>1-7</sup>	1.7	3
40	Validation of 3DVH estimated DVH metrics for prostate VMAT plans. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 573, 012053	0.3	
39	Benchmarking the gamma pass score using ArcCHECK for routine dosimetric QA of VMAT plans. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 573, 012040	0.3	5
38	Evaluation of 3D Gamma index calculation implemented in two commercial dosimetry systems. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 573, 012054	0.3	
37	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> , <b>2015</b> , 62, 32-9	1.5	5
36	Australian survey on current practices for breast radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2015</b> , 59, 736-42	1.7	15
35	MRI distortion: considerations for MRI based radiotherapy treatment planning. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2014</b> , 37, 103-13	1.9	85
34	A novel electron gun for inline MRI-linac configurations. <i>Medical Physics</i> , <b>2014</b> , 41, 022301	4.4	5
33	Kilovoltage cone-beam CT imaging dose during breast radiotherapy: a dose comparison between a left and right breast setup. <i>Medical Dosimetry</i> , <b>2014</b> , 39, 190-3	1.3	4
32	Advances in kilovoltage x-ray beam dosimetry. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, R183-231	3.8	104
31	PyCMSXiO: an external interface to script treatment plans for the Elekta <sup>®</sup> CMS XiO treatment planning system. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 489, 012063	0.3	
30	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> , <b>2014</b> , 37, 285-90	1.9	5
29	Correlation of contouring variation with modeled outcome for conformal non-small cell lung cancer radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 112, 332-6	5.3	21
28	Dose calibration of EPIDs for segmented IMRT dosimetry. <i>Journal of Applied Clinical Medical Physics</i> , <b>2014</b> , 15, 4895	2.3	6
27	A comprehensive tool to analyse dynamic log files from an Elekta-Synergy accelerator. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 489, 012068	0.3	1
26	A decision support tool to optimize IMRT QA workflow in a multi-vendor equipment environment. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 489, 012069	0.3	
25	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> , <b>2014</b> , 489, 012071	0.3	4



24	Commissioning of SharePlan: The Liverpool Experience. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 489, 012064	0.3	
23	Streamlining EPID-based IMRT quality assurance: auto-analysis and auto-report generation. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 489, 012084	0.3	2
22	Rapid learning in practice: a lung cancer survival decision support system in routine patient care data. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 113, 47-53	5.3	32
21	Endorectal balloons in the post prostatectomy setting: do gains in stability lead to more predictable dosimetry?. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 109, 493-7	5.3	9
20	A Survey of Cervix Segmentation Methods in Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 290-298	0.9	
19	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> , <b>2013</b> , 3, 93-100	2.8	8
18	How important is dosimetrist experience for intensity modulated radiation therapy? A comparative analysis of a head and neck case. <i>Practical Radiation Oncology</i> , <b>2013</b> , 3, e99-e106	2.8	46
17	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> , <b>2013</b> , 108, 266-8	5.3	8
16	An investigation into positron emission tomography contouring methods across two treatment planning systems. <i>Medical Dosimetry</i> , <b>2013</b> , 38, 60-5	1.3	1
15	Independent calculation-based verification of IMRT plans using a 3D dose-calculation engine. <i>Medical Dosimetry</i> , <b>2013</b> , 38, 376-84	1.3	7
14	The potential for an enhanced role for MRI in radiation-therapy treatment planning. <i>Technology in Cancer Research and Treatment</i> , <b>2013</b> , 12, 429-46	2.7	122
13	Characterization of a novel EPID designed for simultaneous imaging and dose verification in radiotherapy. <i>Medical Physics</i> , <b>2013</b> , 40, 091902	4.4	17
12	Characterization of optical transport effects on EPID dosimetry using Geant4. <i>Medical Physics</i> , <b>2013</b> , 40, 041708	4.4	18
11	Impact of patient rotational errors on target and critical structure dose in IMRT: A 3D simulation study. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 444, 012045	0.3	1
10	An accuracy assessment of different rigid body image registration methods and robotic couch positional corrections using a novel phantom. <i>Medical Physics</i> , <b>2013</b> , 40, 031701	4.4	5
9	An algorithm to calculate a collapsed arc dose matrix in volumetric modulated arc therapy. <i>Medical Physics</i> , <b>2013</b> , 40, 071724	4.4	2
8	Comp Plan: A computer program to generate dose and radiobiological metrics from dose-volume histogram files. <i>Medical Dosimetry</i> , <b>2012</b> , 37, 305-9	1.3	13
7	2-D radiation therapy dosimetry using EPIDs: Dose response variation between 3 siemens electronic portal imaging devices (EPIDs). <i>Radiation Measurements</i> , <b>2011</b> , 46, 1916-1919	1.5	4

6	Megavoltage cone beam CT near surface dose measurements: potential implications for breast radiotherapy. <i>Medical Physics</i> , <b>2011</b> , 38, 6222-7	4.4	12
5	A review of methods of analysis in contouring studies for radiation oncology. <i>Journal of Medical Imaging and Radiation Oncology</i> , <b>2010</b> , 54, 401-10	1.7	93
4	Thermoluminescent dosimetry (TLD) for megavoltage electron beam energy determination. <i>Radiation Measurements</i> , <b>2010</b> , 45, 698-700	1.5	7
3	Use of thermoluminescent dosimetry (TLD) for quality assurance of orthovoltage X-ray therapy machines. <i>Radiation Measurements</i> , <b>2008</b> , 43, 908-911	1.5	7
2	An investigation of dose changes for therapeutic kilovoltage X-ray beams with underlying lead shielding. <i>Medical Physics</i> , <b>2007</b> , 34, 3045-53	4.4	14
1	Support of large breasts during tangential irradiation using a micro-shell and minimizing the skin dose--a pilot study. <i>Medical Dosimetry</i> , <b>2005</b> , 30, 31-5	1.3	6