Peter E Metcalfe

List of Publications by Citations

161 papers	2,861 citations	31 h-index	48 g-index
178 ext. papers	3,177 ext. citations	2.9 avg, IF	4.81 L-index

#	Paper	IF	Citations
161	Radiochromic film for medical radiation dosimetry. *Materials Science and Engineering Reports*, **2003**, 41, 61-120	30.9	226
160	The potential for an enhanced role for MRI in radiation-therapy treatment planning. *Technology in Cancer Research and Treatment*, **2013**, 12, 429-46	2.7	122
159	Measurement of radiotherapy x-ray skin dose on a chest wall phantom. *Medical Physics*, **2000**, 27, 1676-80	4.4	98
158	A review of methods of analysis in contouring studies for radiation oncology. *Journal of Medical Imaging and Radiation Oncology*, **2010**, 54, 401-10	1.7	93
157	A new radiotherapy surface dose detector:the MOSFET. *Medical Physics*, **1996**, 23, 655-8	4.4	92
156	MRI distortion: considerations for MRI based radiotherapy treatment planning. *Australasian Physical and Engineering Sciences in Medicine*, **2014**, 37, 103-13	1.9	85
155	Future of medical physics: Real-time MRI-guided proton therapy. *Medical Physics*, **2017**, 44, e77-e90	4.4	73
154	Directional dependence in film dosimetry: radiographic and radiochromic film. *Physics in Medicine and Biology*, **2001**, 46, 1391-7	3.8	73
153	X-ray surface dose measurements using TLD extrapolation. *Medical Physics*, **1993**, 20, 703-11	4.4	73
152	Effects of read-out light sources and ambient light on radiochromic film. *Physics in Medicine and Biology*, **1998**, 43, 2407-12	3.8	69
151	Effects on skin dose from unwanted air gaps under bolus in photon beam radiotherapy. *Radiation Measurements*, **2000**, 32, 201-204	1.5	61
150	Characterization of a novel two dimensional diode array the "magic plate" as a radiation detector for radiation therapy treatment. *Medical Physics*, **2012**, 39, 2544-58	4.4	58
149	Investigation of the tissue equivalence of gels used for NMR dosimetry. *Physics in Medicine and Biology*, **1993**, 38, 139-50	3.8	58
148	Comparison of prostate IMRT and VMAT biologically optimised treatment plans. *Medical Dosimetry*, **2011**, 36, 292-8	1.3	54
147	Monte Carlo characterization of skin doses in 6 MV transverse field MRI-linac systems: effect of field size, surface orientation, magnetic field strength, and exit bolus. *Medical Physics*, **2010**, 37, 5208-17	4.4	50
146	In vivo real-time rectal wall dosimetry for prostate radiotherapy. *Physics in Medicine and Biology*, **2010**, 55, 3859-71	3.8	50
145	High resolution entry and exit Monte Carlo dose calculations from a linear accelerator 6 MV beam under the influence of transverse magnetic fields. *Medical Physics*, **2009**, 36, 3549-59	4.4	47

144	Dosimetry of 6-MV x-ray beam penumbra. *Medical Physics*, **1993**, 20, 1439-45	4.4	44
143	Monte Carlo study of the potential reduction in out-of-field dose using a patient-specific aperture in pencil beam scanning proton therapy. *Physics in Medicine and Biology*, **2012**, 57, 2829-42	3.8	42
142	The use of the linear quadratic model in radiotherapy: a review. *Australasian Physical and Engineering Sciences in Medicine*, **2001**, 24, 132-46	1.9	42
141	A two dimensional silicon detectors array for quality assurance in stereotactic radiotherapy: MagicPlate-512. *Medical Physics*, **2014**, 41, 091707	4.4	41
140	Extrapolated surface dose measurements with radiochromic film. *Medical Physics*, **1999**, 26, 485-488	4.4	40
139	In vivo verification of superficial dose for head and neck treatments using intensity-modulated techniques. *Medical Physics*, **2009**, 36, 59-70	4.4	39
138	Perturbation of radiotherapy beams by radiographic film: measurements and Monte Carlo simulations. *Physics in Medicine and Biology*, **1999**, 44, 1755-65	3.8	38
137	Continuous table acquisition MRI for radiotherapy treatment planning: distortion assessment with a new extended 3D volumetric phantom. *Medical Physics*, **2015**, 42, 1982-91	4.4	37
136	Radiochromic film as a radiotherapy surface-dose detector. *Physics in Medicine and Biology*, **1996**, 41, 1073-8	3.8	37
135	Multicentre quality assurance of intensity-modulated radiation therapy plans: a precursor to clinical trials. *Journal of Medical Imaging and Radiation Oncology*, **2007**, 51, 472-9		36
134	Technical Note: Experimental results from a prototype high-field inline MRI-linac. *Medical Physics*, **2016**, 43, 5188	4.4	36
133	Surface dosimetry for breast radiotherapy in the presence of immobilization cast material. *Physics in Medicine and Biology*, **2011**, 56, 1001-13	3.8	32
132	Dosimetric verification of helical tomotherapy for total scalp irradiation. *Medical Physics*, **2008**, 35, 5061-8	4.4	32
131	Effect of hip prostheses on radiotherapy dose. *Journal of Medical Imaging and Radiation Oncology*, **2000**, 44, 290-5		32
130	Radiochromic Film Dosimetry and its Applications in Radiotherapy **2011**,		31
129	Verification of lung dose in an anthropomorphic phantom calculated by the collapsed cone convolution method. *Physics in Medicine and Biology*, **2000**, 45, N143-9	3.8	31
128	High sensitivity radiochromic film dose comparisons. *Physics in Medicine and Biology*, **2002**, 47, N291-5	3.8	30
127	Measurement of off-axis and peripheral skin dose using radiochromic film. *Physics in Medicine and Biology*, **1998**, 43, 2647-50	3.8	30

126	Multichannel Data Acquisition System comparison for Quality Assurance in external beam radiation therapy. *Radiation Measurements*, **2014**, 71, 338-341	1.5	26
125	A silicon strip detector dose magnifying glass for IMRT dosimetry. *Medical Physics*, **2010**, 37, 427-39	4.4	26
124	In vivo real-time dosimetric verification in high dose rate prostate brachytherapy. *Medical Physics*, **2011**, 38, 4785-94	4.4	25
123	Comparison of skin dose between conventional radiotherapy and IMRT. *Australasian Physical and Engineering Sciences in Medicine*, **2006**, 29, 272-7	1.9	24
122	Intensity modulated radiation therapy (IMRT) surface dose measurements using a PTW advanced Markus chamber. *Australasian Physical and Engineering Sciences in Medicine*, **2010**, 33, 23-34	1.9	23
121	Real-time in vivo dosimetry with MOSFET detectors in serial tomotherapy for head and neck cancer patients. *International Journal of Radiation Oncology Biology Physics*, **2011**, 80, 1581-8	4	22
120	The use of a silicon strip detector dose magnifying glass in stereotactic radiotherapy QA and dosimetry. *Medical Physics*, **2011**, 38, 1226-38	4.4	22
119	Production of Ac-225 for cancer therapy by photon-induced transmutation of Ra-226. *Applied Radiation and Isotopes*, **2007**, 65, 1014-22	1.7	22
118	Correlation of contouring variation with modeled outcome for conformal non-small cell lung cancer radiotherapy. *Radiotherapy and Oncology*, **2014**, 112, 332-6	5.3	21
117	MagicPlate-512: A 2D silicon detector array for quality assurance of stereotactic motion adaptive radiotherapy. *Medical Physics*, **2015**, 42, 2992-3004	4.4	20
116	Beam hardening of 10 MV radiotherapy x-rays: analysis using a convolution/superposition method. *Physics in Medicine and Biology*, **1990**, 35, 1533-49	3.8	18
115	Verification of a rounded leaf-end MLC model used in a radiotherapy treatment planning system. *Physics in Medicine and Biology*, **2006**, 51, N65-78	3.8	17
114	Rectal dose reduction with IMRT for prostate radiotherapy. *Journal of Medical Imaging and Radiation Oncology*, **2010**, 54, 235-48	1.7	16
113	Multicentre dosimetry study of mantle treatment in Australia and New Zealand. *Radiotherapy and Oncology*, **1996**, 40, 171-80	5.3	16
112	MRI geometric distortion: Impact on tangential whole-breast IMRT. *Journal of Applied Clinical Medical Physics*, **2016**, 17, 7-19	2.3	16
111	Monte Carlo simulation of the dose response of a novel 2D silicon diode array for use in hybrid MRI-LINAC systems. *Medical Physics*, **2015**, 42, 856-65	4.4	15
110	Australian survey on current practices for breast radiotherapy. *Journal of Medical Imaging and Radiation Oncology*, **2015**, 59, 736-42	1.7	15
109	The penumbra of a 6-MV x-ray beam as measured by thermoluminescent dosimetry and evaluated using an inverse square root function. *Medical Physics*, **1993**, 20, 1429-38	4.4	15

108	Investigation of the radiation dose from cone-beam CT for image-guided radiotherapy: A comparison of methodologies. *Journal of Applied Clinical Medical Physics*, **2018**, 19, 174-183	2.3	14
107	A comparative analysis of multichannel Data Acquisition Systems for quality assurance in external beam radiation therapy. *Journal of Instrumentation*, **2014**, 9, T06003-T06003	1	14
106	BrachyView: proof-of-principle of a novel in-body gamma camera for low dose-rate prostate brachytherapy. *Medical Physics*, **2013**, 40, 041709	4.4	14
105	Thermoluminescence dosimetry of therapeutic X-rays with LiF ribbons and rods. *Physics in Medicine and Biology*, **1993**, 38, 833-845	3.8	13
104	Comparison of Magnetic Resonance Imaging and Computed Tomography for Breast Target Volume Delineation in Prone and Supine Positions. *International Journal of Radiation Oncology Biology Physics*, **2016**, 96, 905-912	4	13
103	Megavoltage cone beam CT near surface dose measurements: potential implications for breast radiotherapy. *Medical Physics*, **2011**, 38, 6222-7	4.4	12
102	Tissue equivalency of phantom materials for neutron dosimetry in proton therapy. *Medical Physics*, **2009**, 36, 5412-9	4.4	12
101	Magnetic repulsion of linear accelerator contaminates. *Medical Physics*, **1996**, 23, 953-5	4.4	12
100	Direct and pulsed current annealing of p-MOSFET based dosimeter: the "MOSkin". *Australasian Physical and Engineering Sciences in Medicine*, **2014**, 37, 311-9	1.9	11
99	Endo-rectal balloon cavity dosimetry in a phantom: performance under IMRT and helical tomotherapy beams. *Radiotherapy and Oncology*, **2009**, 92, 48-56	5.3	11
98	Matchline dosimetry in step and shoot IMRT fields: a film study. *Physics in Medicine and Biology*, **2004**, 49, N287-92	3.8	11
97	Assessment of large single-fraction, low-energy X-ray dose with radiochromic film. *International Journal of Radiation Oncology Biology Physics*, **2000**, 46, 1071-5	4	11
96	Temporally separating Cherenkov radiation in a scintillator probe exposed to a pulsed X-ray beam. *Physica Medica*, **2017**, 42, 185-188	2.7	10
95	Experimental verification of cesium brachytherapy line source emission using a semiconductor detector. *Medical Physics*, **1988**, 15, 702-6	4.4	10
94	Endorectal balloons in the post prostatectomy setting: do gains in stability lead to more predictable dosimetry?. *Radiotherapy and Oncology*, **2013**, 109, 493-7	5.3	9
93	Technical Note: Angular dependence of a 2D monolithic silicon diode array for small field dosimetry. *Medical Physics*, **2017**, 44, 4313-4321	4.4	9
92	Intensity-modulated radiation therapy: not a dry eye in the house. *Journal of Medical Imaging and Radiation Oncology*, **2004**, 48, 35-44		9
91	Experimental verification of dose enhancement effects in a lung phantom from inline magnetic fields. *Radiotherapy and Oncology*, **2017**, 125, 433-438	5.3	8

90	Experimental characterization of magnetically focused electron contamination at the surface of a high-field inline MRI-linac. *Medical Physics*, **2019**, 46, 5780-5789	4.4	8
89	Radiation dose and contralateral breast cancer risk associated with megavoltage cone-beam computed tomographic image verification in breast radiation therapy. *Practical Radiation Oncology*, **2013**, 3, 93-100	2.8	8
88	Normal tissue dose and second cancer risk due to megavoltage fan-beam CT, static tomotherapy and helical tomotherapy in breast radiotherapy. *Radiotherapy and Oncology*, **2013**, 108, 266-8	5.3	8
87	A comparison of proton therapy and IMRT treatment plans for prostate radiotherapy. *Australasian Physical and Engineering Sciences in Medicine*, **2008**, 31, 325-31	1.9	8
86	A comparison of three electron planning algorithms for a 16 MeV electron beam. *International Journal of Radiation Oncology Biology Physics*, **1994**, 28, 731-40	4	8
85	Clinical significance of treatment delivery errors for helical TomoTherapy nasopharyngeal plans - A dosimetric simulation study. *Physica Medica*, **2017**, 33, 159-169	2.7	7
84	Feasibility study of a dual detector configuration concept for simultaneous megavoltage imaging and dose verification in radiotherapy. *Medical Physics*, **2015**, 42, 1753-64	4.4	7
83	Independent quality assurance of a helical tomotherapy machine using the dose magnifying glass. *Medical Physics*, **2011**, 38, 2256-64	4.4	7
82	Three-dimensional dosimetry imaging of I-125 plaque for eye cancer treatment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2011**, 633, S276-S278	1.2	7
81	Measurement of skin dose variations produced by a silicon-based protective dressing in radiotherapy. *Physics in Medicine and Biology*, **2002**, 47, N145-51	3.8	7
80	Beam perturbation characteristics of a 2D transmission silicon diode array, Magic Plate. *Journal of Applied Clinical Medical Physics*, **2016**, 17, 85-98	2.3	7
79	Practical IMRT QA dosimetry using Gafchromic film: a quick start guide. *Australasian Physical and Engineering Sciences in Medicine*, **2016**, 39, 533-45	1.9	7
78	Dose calibration of EPIDs for segmented IMRT dosimetry. *Journal of Applied Clinical Medical Physics*, **2014**, 15, 4895	2.3	6
77	Clinical implementation of an exit detector-based dose reconstruction tool for helical tomotherapy delivery quality assurance. *Medical Physics*, **2017**, 44, 5457-5466	4.4	6
76	2D mapping of the MV photon fluence and 3D dose reconstruction in real time for quality assurance during radiotherapy treatment. *Journal of Instrumentation*, **2015**, 10, P09019-P09019	1	6
75	Multileaf collimator end leaf leakage: implications for wide-field IMRT. *Physics in Medicine and Biology*, **2007**, 52, N493-504	3.8	6
74	Technical Note: Penumbral width trimming in solid lung dose profiles for 0.9 and 1.5 T MRI-Linac prototypes. *Medical Physics*, **2018**, 45, 479-487	4.4	6
73	Dosimetric effects of brass mesh bolus on skin dose and dose at depth for postmastectomy chest wall irradiation. *Physica Medica*, **2018**, 54, 84-93	2.7	6

72	Dose planning variations related to delineation variations in MRI-guided brachytherapy for locally advanced cervical cancer. *Brachytherapy*, **2020**, 19, 146-153	2.4	5
71	A high resolution 2D array detector system for small-field MRI-linac applications. *Biomedical Physics and Engineering Express*, **2018**, 4, 035041	1.5	5
70	The impact of imaging modality (CT vs MRI) and patient position (supine vs prone) on tangential whole breast radiation therapy planning. *Practical Radiation Oncology*, **2018**, 8, e87-e97	2.8	5
69	Initial experiments with gel-water: towards MRI-linac dosimetry and imaging. *Australasian Physical and Engineering Sciences in Medicine*, **2016**, 39, 921-932	1.9	5
68	Characterisation of Silicon Diode Arrays for Dosimetry in External Beam Radiation Therapy. *IEEE Transactions on Nuclear Science*, **2016**, 63, 1808-1817	1.7	5
67	In vivo endorectal dosimetry of prostate tomotherapy using dual MOSkin detectors. *Journal of Applied Clinical Medical Physics*, **2015**, 16, 5113	2.3	5
66	A study into the relationship between the measured penumbra and effective source size in the modeling of the Pinnacle RTPS. *Australasian Physical and Engineering Sciences in Medicine*, **2011**, 34, 233-41	1.9	5
65	Radiobiological indices that consider volume: a review. *Australasian Physical and Engineering Sciences in Medicine*, **2002**, 25, 47-57	1.9	5
64	Superposition on a multicomputer system. *Medical Physics*, **1991**, 18, 468-73	4.4	5
63	Results of the Australasian (Trans-Tasman Oncology Group) radiotherapy benchmarking exercise in preparation for participation in the PORTEC-3 trial. *Journal of Medical Imaging and Radiation Oncology*, **2016**, 60, 554-9	1.7	5
62	Sensitivity evaluation of two commercial dosimeters in detecting Helical TomoTherapy treatment delivery errors. *Physica Medica*, **2017**, 37, 68-74	2.7	4
61	2D monolithic silicon-diode array detectors in megavoltage photon beams: does the fabrication technology matter? A medical physicist's perspective. *Australasian Physical and Engineering Sciences in Medicine*, **2019**, 42, 443-451	1.9	4
60	A phantom assessment of achievable contouring concordance across multiple treatment planning systems. *Radiotherapy and Oncology*, **2015**, 117, 438-41	5.3	4
59	Kilovoltage cone-beam CT imaging dose during breast radiotherapy: a dose comparison between a left and right breast setup. *Medical Dosimetry*, **2014**, 39, 190-3	1.3	4
58	Development of a silicon diode detector for skin dosimetry in radiotherapy. *Medical Physics*, **2017**, 44, 5402-5412	4.4	4
57	Comparison of natural and synthetic diamond X-ray detectors. *Australasian Physical and Engineering Sciences in Medicine*, **2010**, 33, 301-6	1.9	4
56	Intensity modulated radiation therapy: film verification of planar dose maps. *Australasian Physical and Engineering Sciences in Medicine*, **2003**, 26, 194-9	1.9	4
55	Accounting for treatment delays when treating highly proliferative tumours. *Physics in Medicine and Biology*, **1999**, 44, 223-34	3.8	4

54	Radiotherapy planning accuracy in terms of C.T. numbers and inhomogeneity correction techniques. *Journal of Medical Imaging and Radiation Oncology*, **1988**, 32, 371-9		4
53	Feasibility of a dual detector system to perform transit dosimetry and MV imaging in-vivo. *Journal of Instrumentation*, **2019**, 14, P01019-P01019	1	3
52	A comparison of coordinate systems for use in determining a radiotherapy delineation margin for whole breast. *Journal of Physics: Conference Series*, **2014**, 489, 012057	0.3	3
51	Superior target volume and organ stability with the use of endorectal balloons in post-prostatectomy radiotherapy. *Journal of Medical Imaging and Radiation Oncology*, **2015**, 59, 507-513	1.7	3
50	An Integrated 2-dimensional Dosimeter and Electronic Portal Imaging Device for In Vivo Dosimetry: A Feasibility Study. *International Journal of Radiation Oncology Biology Physics*, **2012**, 84, S764	4	3
49	Review of four novel dosimeters developed for use in radiotherapy. *Journal of Physics: Conference Series*, **2013**, 444, 012008	0.3	3
48	Simulation and measurement of air generated electron contamination in radiotherapy. *Radiation Measurements*, **2000**, 32, 105-111	1.5	3
47	Evaluation of a radiotherapy electron contamination deflecting system. *Radiation Measurements*, **2000**, 32, 101-104	1.5	3
46	Decoupling of bowtie and object effects for beam hardening and scatter artefact reduction in iterative cone-beam CT. *Physical and Engineering Sciences in Medicine*, **2020**, 43, 1161-1170	7	3
45	Atlas-based segmentation technique incorporating inter-observer delineation uncertainty for whole breast. *Journal of Physics: Conference Series*, **2017**, 777, 012002	0.3	2
44	Clinical validation of an in-house EPID dosimetry system for IMRT QA at the Prince of Wales Hospital. *Journal of Physics: Conference Series*, **2013**, 444, 012043	0.3	2
43	From HEP to medical radiation dosimetry The silicon strip detector dose magnifying glass. *Radiation Measurements*, **2011**, 46, 1615-1618	1.5	2
42	Measurements of human tolerance to horizontal rotation within an MRI scanner: Towards gantry-free radiation therapy. *Journal of Medical Imaging and Radiation Oncology*, **2021**, 65, 112-119	1.7	2
41	eXaSkin: A novel high-density bolus for 6MV X-rays radiotherapy. *Physica Medica*, **2020**, 80, 42-46	2.7	2
40	A feasibility study for high-resolution silicon array detector performance in the magnetic field of a permanent magnet system. *Medical Physics*, **2019**, 46, 4224-4232	4.4	1
39	Application of MO Skin detector for in vivo dosimetry on total skin electron therapy (TSET). *Biomedical Physics and Engineering Express*, **2018**, 4, 024002	1.5	1
38	Introducing dynamic dosimaging: potential applications for MRI-linac. *Journal of Physics: Conference Series*, **2017**, 777, 012007	0.3	1
37	The angular dependence of a two dimensional monolithic detector array for dosimetry in small radiation fields. *Journal of Physics: Conference Series*, **2017**, 777, 012020	0.3	1

36	Image guidance during breast radiotherapy: a phantom dosimetry and radiation-induced second cancer risk study. *Journal of Physics: Conference Series*, **2013**, 444, 012046	0.3	1
35	A predictive method of calculating the dosimetric effect of 1-D motion on narrow multileaf collimated segments. *Australasian Physical and Engineering Sciences in Medicine*, **2009**, 32, 1-10	1.9	1
34	Incident contamination lepton doses measured using radiochromic film in radiotherapy. *Radiation Measurements*, **1998**, 29, 605-609	1.5	1
33	Re: Multicentre quality assurance of intensity-modulated radiation therapy planning: beware the benchmarker. *Journal of Medical Imaging and Radiation Oncology*, **2008**, 52, 303	1.7	1
32	Intensity-modulated radiation therapy: overlapping co-axial modulated fields. *Physics in Medicine and Biology*, **2004**, 49, 3629-37	3.8	1
31	Standard effective doses for proliferative tumours. *Physics in Medicine and Biology*, **1999**, 44, 2127-42	3.8	1
30	SU-C-201-05: Silicon Array Dosimeter in Situ with Electronic Portal Image Device for Simultaneous Transit Dose and Image Verification in Radiotherapy. *Medical Physics*, **2016**, 43, 3316-3316	4.4	1
29	First application of a high-resolution silicon detector for proton beam Bragg peak detection in a 0.95 T magnetic field. *Medical Physics*, **2020**, 47, 181-189	4.4	1
28	High resolution silicon array detector implementation in an inline MRI-linac. *Medical Physics*, **2020**, 47, 1920-1929	4.4	1
27	Low dose radiation therapy for COVID-19 pneumonia: brief review of the evidence. *Physical and Engineering Sciences in Medicine*, **2020**, 43, 761-763	7	1
26	Consistency of small-field dosimetry, on and off axis, in beam-matched linacs used for stereotactic radiosurgery. *Journal of Applied Clinical Medical Physics*, **2021**, 22, 185-193	2.3	1
25	Determining the longitudinal accuracy and reproducibility of T and T in a 3T MRI scanner. *Journal of Applied Clinical Medical Physics*, **2021**, 22, 143-150	2.3	1
24	4D Monte Carlo dose calculations for pre-treatment quality assurance of VMAT SBRT: a phantom-based feasibility study. *Physics in Medicine and Biology*, **2019**, 64, 21NT01	3.8	0
23	Reducing axial truncation artifacts in iterative cone-beam CT for radiation therapy using a priori preconditioned information. *Medical Physics*, **2021**, 48, 7089-7098	4.4	0
22	Characterizing magnetically focused contamination electrons by off-axis irradiation on an inline MRI-Linac.. *Journal of Applied Clinical Medical Physics*, **2022**, e13591	2.3	0
21	Comparison of organ and effective dose estimations from different Monte Carlo simulation-based software methods in infant CT and comparison with direct phantom measurements.. *Journal of Applied Clinical Medical Physics*, **2022**, e13625	2.3	0
20	Dose build up characteristics with eXaSkin bolus during 6MV radiotherapy: MOSkin dosimetry results. *Journal of Physics: Conference Series*, **2019**, 1154, 012024	0.3	
19	Dose verification for liver target volumes undergoing respiratory motion. *Australasian Physical and Engineering Sciences in Medicine*, **2019**, 42, 619-626	1.9	

18	Characterization of a high spatiotemporal resolution monolithic silicon strip detector for MRI-linac dosimetry. *Journal of Physics: Conference Series*, **2019**, 1154, 012006	0.3
17	Modelling the x-ray source for the Australian MRI-Linac. *Journal of Physics: Conference Series*, **2019**, 1154, 012025	0.3
16	Evaluation of dose from kV cone-beam computed tomography during radiotherapy: a comparison of methodologies. *Journal of Physics: Conference Series*, **2017**, 777, 012003	0.3
15	Linearization of EBT3 film dose response and virtual film dosimetry for SBRT quality assurance. *Journal of Physics: Conference Series*, **2017**, 777, 012005	0.3
14	Verification of CT number to density conversion for a simulator-T attachment. *Australasian Physical and Engineering Sciences in Medicine*, **2002**, 25, 78-80	1.9
13	IMRT: is it Nirvana?. *Progress in Palliative Care*, **2004**, 12, 16-23	1
12	Effects of water light absorption properties of a radiographic film. *Physics in Medicine and Biology*, **2002**, 47, N279-84	3.8
11	Radiotherapy dose compensation for lung patients. *Journal of Medical Imaging and Radiation Oncology*, **1999**, 43, 210-4	
10	Addendum to the penumbra of a 6-MV x-ray beam as measured by thermoluminescent dosimetry and evaluated using an inverse square root function [Med. Phys. 20, 1429-1438 (1993)]. *Medical Physics*, **1994**, 21, 1261	4.4
9	SU-FF-T-308: Monte Carlo Simulation for Evaluating the Matchline Effect of IMRT Technique. *Medical Physics*, **2007**, 34, 2472-2472	4.4
8	WE-AB-BRB-04: A Novel Monolithic Silicon 2D Detector Array for Use in Stereotactic Applications. *Medical Physics*, **2015**, 42, 3650-3650	4.4
7	TU-C-204B-04: Monte Carlo Characterization of Skin Doses in MRI-Guided-Radiotherapy. *Medical Physics*, **2010**, 37, 3385-3385	4.4
6	SU-E-T-226: Image Acquisition and Processing Characteristics of a Siemens EPID: Potential Problems for EPID Dosimetry. *Medical Physics*, **2011**, 38, 3538-3538	4.4
5	SU-E-T-20: Removal of Electron Contamination in Longitudinal Field MRI-Linac Systems: A Monte Carlo Study. *Medical Physics*, **2012**, 39, 3706	4.4
4	MO-F-213AB-03: Potential Reduction in Out-Of-Field Dose in Pencil Beam Scanning Proton Therapy Through Use of a Patient-Specific Aperture. *Medical Physics*, **2012**, 39, 3872	4.4
3	SU-E-J-213: An Evaluation of the Reproducibility of Radiotherapy Contouring Utilizing Multiple Institutions and Treatment Planning Systems. *Medical Physics*, **2013**, 40, 200-200	4.4
2	TH-C-141-09: A Comparison of MRI Distortion Between Scanners and Sequences for Radiotherapy Purposes. *Medical Physics*, **2013**, 40, 541-541	4.4
1	Imaging and radiation isocentre determination for inline MR-guided radiotherapy systems proof of principle using MR-phantom with embedded monolithic silicon detector. *Journal of Physics: Conference Series*, **2020**, 1662, 012008	0.3