

Peter E Metcalfe

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.

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	Characterizing magnetically focused contamination electrons by off-axis irradiation on an inline MRI-Linac.. <i>Journal of Applied Clinical Medical Physics</i> , 2022 , e13591	2.3	0
160	Comparison of organ and effective dose estimations from different Monte Carlo simulation-based software methods in infant CT and comparison with direct phantom measurements.. <i>Journal of Applied Clinical Medical Physics</i> , 2022 , e13625	2.3	0
159	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
158	Consistency of small-field dosimetry, on and off axis, in beam-matched linacs used for stereotactic radiosurgery. <i>Journal of Applied Clinical Medical Physics</i> , 2021 , 22, 185-193	2.3	1
157	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
156	Reducing axial truncation artifacts in iterative cone-beam CT for radiation therapy using a priori preconditioned information. <i>Medical Physics</i> , 2021 , 48, 7089-7098	4.4	0
155	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
154	First application of a high-resolution silicon detector for proton beam Bragg peak detection in a 0.95 T magnetic field. <i>Medical Physics</i> , 2020 , 47, 181-189	4.4	1
153	High resolution silicon array detector implementation in an inline MRI-linac. <i>Medical Physics</i> , 2020 , 47, 1920-1929	4.4	1
152	eXaSkin: A novel high-density bolus for 6MV X-rays radiotherapy. <i>Physica Medica</i> , 2020 , 80, 42-46	2.7	2
151	Imaging and radiation isocentre determination for inline MR-guided radiotherapy systems [proof of principle using MR-phantom with embedded monolithic silicon detector. <i>Journal of Physics: Conference Series</i> , 2020 , 1662, 012008	0.3	
150	Low dose radiation therapy for COVID-19 pneumonia: brief review of the evidence. <i>Physical and Engineering Sciences in Medicine</i> , 2020 , 43, 761-763	7	1
149	Decoupling of bowtie and object effects for beam hardening and scatter artefact reduction in iterative cone-beam CT. <i>Physical and Engineering Sciences in Medicine</i> , 2020 , 43, 1161-1170	7	3
148	Feasibility of a dual detector system to perform transit dosimetry and MV imaging in-vivo. <i>Journal of Instrumentation</i> , 2019 , 14, P01019-P01019	1	3
147	Dose build up characteristics with eXaSkin bolus during 6MV radiotherapy: MOSkin dosimetry results. <i>Journal of Physics: Conference Series</i> , 2019 , 1154, 012024	0.3	
146	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
145	Dose verification for liver target volumes undergoing respiratory motion. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019 , 42, 619-626	1.9	

144	Characterization of a high spatiotemporal resolution monolithic silicon strip detector for MRI-linac dosimetry. <i>Journal of Physics: Conference Series</i> , 2019 , 1154, 012006	0.3	
143	2D monolithic silicon-diode array detectors in megavoltage photon beams: does the fabrication technology matter? A medical physicist's perspective. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019 , 42, 443-451	1.9	4
142	Modelling the x-ray source for the Australian MRI-Linac. <i>Journal of Physics: Conference Series</i> , 2019 , 1154, 012025	0.3	
141	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
140	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
139	Application of MO Skin detector for in vivo dosimetry on total skin electron therapy (TSET). <i>Biomedical Physics and Engineering Express</i> , 2018 , 4, 024002	1.5	1
138	A high resolution 2D array detector system for small-field MRI-linac applications. <i>Biomedical Physics and Engineering Express</i> , 2018 , 4, 035041	1.5	5
137	Investigation of the radiation dose from cone-beam CT for image-guided radiotherapy: A comparison of methodologies. <i>Journal of Applied Clinical Medical Physics</i> , 2018 , 19, 174-183	2.3	14
136	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
135	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
134	Dosimetric effects of brass mesh bolus on skin dose and dose at depth for postmastectomy chest wall irradiation. <i>Physica Medica</i> , 2018 , 54, 84-93	2.7	6
133	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
132	Sensitivity evaluation of two commercial dosimeters in detecting Helical TomoTherapy treatment delivery errors. <i>Physica Medica</i> , 2017 , 37, 68-74	2.7	4
131	Future of medical physics: Real-time MRI-guided proton therapy. <i>Medical Physics</i> , 2017 , 44, e77-e90	4.4	73
130	Temporally separating Cherenkov radiation in a scintillator probe exposed to a pulsed X-ray beam. <i>Physica Medica</i> , 2017 , 42, 185-188	2.7	10
129	Experimental verification of dose enhancement effects in a lung phantom from inline magnetic fields. <i>Radiotherapy and Oncology</i> , 2017 , 125, 433-438	5.3	8
128	Introducing dynamic dosimaging: potential applications for MRI-linac. <i>Journal of Physics: Conference Series</i> , 2017 , 777, 012007	0.3	1
127	Technical Note: Angular dependence of a 2D monolithic silicon diode array for small field dosimetry. <i>Medical Physics</i> , 2017 , 44, 4313-4321	4.4	9

126	Development of a silicon diode detector for skin dosimetry in radiotherapy. <i>Medical Physics</i> , 2017 , 44, 5402-5412	4.4	4
125	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
124	The angular dependence of a two dimensional monolithic detector array for dosimetry in small radiation fields. <i>Journal of Physics: Conference Series</i> , 2017 , 777, 012020	0.3	1
123	Atlas-based segmentation technique incorporating inter-observer delineation uncertainty for whole breast. <i>Journal of Physics: Conference Series</i> , 2017 , 777, 012002	0.3	2
122	Evaluation of dose from kV cone-beam computed tomography during radiotherapy: a comparison of methodologies. <i>Journal of Physics: Conference Series</i> , 2017 , 777, 012003	0.3	
121	Linearization of EBT3 film dose response and virtual film dosimetry for SBRT quality assurance. <i>Journal of Physics: Conference Series</i> , 2017 , 777, 012005	0.3	
120	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
119	Characterisation of Silicon Diode Arrays for Dosimetry in External Beam Radiation Therapy. <i>IEEE Transactions on Nuclear Science</i> , 2016 , 63, 1808-1817	1.7	5
118	SU-C-201-05: Silicon Array Dosimeter in Situ with Electronic Portal Image Device for Simultaneous Transit Dose and Image Verification in Radiotherapy. <i>Medical Physics</i> , 2016 , 43, 3316-3316	4.4	1
117	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
116	Beam perturbation characteristics of a 2D transmission silicon diode array, Magic Plate. <i>Journal of Applied Clinical Medical Physics</i> , 2016 , 17, 85-98	2.3	7
115	MRI geometric distortion: Impact on tangential whole-breast IMRT. <i>Journal of Applied Clinical Medical Physics</i> , 2016 , 17, 7-19	2.3	16
114	Technical Note: Experimental results from a prototype high-field inline MRI-linac. <i>Medical Physics</i> , 2016 , 43, 5188	4.4	36
113	Practical IMRT QA dosimetry using Gafchromic film: a quick start guide. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2016 , 39, 533-45	1.9	7
112	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
111	A phantom assessment of achievable contouring concordance across multiple treatment planning systems. <i>Radiotherapy and Oncology</i> , 2015 , 117, 438-41	5.3	4
110	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
109	Monte Carlo simulation of the dose response of a novel 2D silicon diode array for use in hybrid MRI-LINAC systems. <i>Medical Physics</i> , 2015 , 42, 856-65	4.4	15

108	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
107	In vivo endorectal dosimetry of prostate tomotherapy using dual MOSkin detectors. <i>Journal of Applied Clinical Medical Physics</i> , 2015 , 16, 5113	2.3	5
106	2D mapping of the MV photon fluence and 3D dose reconstruction in real time for quality assurance during radiotherapy treatment. <i>Journal of Instrumentation</i> , 2015 , 10, P09019-P09019	1	6
105	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
104	MagicPlate-512: A 2D silicon detector array for quality assurance of stereotactic motion adaptive radiotherapy. <i>Medical Physics</i> , 2015 , 42, 2992-3004	4.4	20
103	Australian survey on current practices for breast radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2015 , 59, 736-42	1.7	15
102	WE-AB-BRB-04: A Novel Monolithic Silicon 2D Detector Array for Use in Stereotactic Applications. <i>Medical Physics</i> , 2015 , 42, 3650-3650	4.4	
101	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
100	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
99	Direct and pulsed current annealing of p-MOSFET based dosimeter: the "MOSkin". <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2014 , 37, 311-9	1.9	11
98	Multichannel Data Acquisition System comparison for Quality Assurance in external beam radiation therapy. <i>Radiation Measurements</i> , 2014 , 71, 338-341	1.5	26
97	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
96	Dose calibration of EPIDs for segmented IMRT dosimetry. <i>Journal of Applied Clinical Medical Physics</i> , 2014 , 15, 4895	2.3	6
95	A comparative analysis of multichannel Data Acquisition Systems for quality assurance in external beam radiation therapy. <i>Journal of Instrumentation</i> , 2014 , 9, T06003-T06003	1	14
94	A comparison of coordinate systems for use in determining a radiotherapy delineation margin for whole breast. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012057	0.3	3
93	A two dimensional silicon detectors array for quality assurance in stereotactic radiotherapy: MagicPlate-512. <i>Medical Physics</i> , 2014 , 41, 091707	4.4	41
92	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
91	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

90	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
89	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
88	BrachyView: proof-of-principle of a novel in-body gamma camera for low dose-rate prostate brachytherapy. <i>Medical Physics</i> , 2013 , 40, 041709	4.4	14
87	Review of four novel dosimeters developed for use in radiotherapy. <i>Journal of Physics: Conference Series</i> , 2013 , 444, 012008	0.3	3
86	Image guidance during breast radiotherapy: a phantom dosimetry and radiation-induced second cancer risk study. <i>Journal of Physics: Conference Series</i> , 2013 , 444, 012046	0.3	1
85	Clinical validation of an in-house EPID dosimetry system for IMRT QA at the Prince of Wales Hospital. <i>Journal of Physics: Conference Series</i> , 2013 , 444, 012043	0.3	2
84	SU-E-J-213: An Evaluation of the Reproducibility of Radiotherapy Contouring Utilizing Multiple Institutions and Treatment Planning Systems. <i>Medical Physics</i> , 2013 , 40, 200-200	4.4	
83	TH-C-141-09: A Comparison of MRI Distortion Between Scanners and Sequences for Radiotherapy Purposes. <i>Medical Physics</i> , 2013 , 40, 541-541	4.4	
82	An Integrated 2-dimensional Dosimeter and Electronic Portal Imaging Device for In Vivo Dosimetry: A Feasibility Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 84, S764	4	3
81	Characterization of a novel two dimensional diode array the "magic plate" as a radiation detector for radiation therapy treatment. <i>Medical Physics</i> , 2012 , 39, 2544-58	4.4	58
80	Monte Carlo study of the potential reduction in out-of-field dose using a patient-specific aperture in pencil beam scanning proton therapy. <i>Physics in Medicine and Biology</i> , 2012 , 57, 2829-42	3.8	42
79	SU-E-T-20: Removal of Electron Contamination in Longitudinal Field MRI-Linac Systems: A Monte Carlo Study. <i>Medical Physics</i> , 2012 , 39, 3706	4.4	
78	MO-F-213AB-03: Potential Reduction in Out-Of-Field Dose in Pencil Beam Scanning Proton Therapy Through Use of a Patient-Specific Aperture. <i>Medical Physics</i> , 2012 , 39, 3872	4.4	
77	Radiochromic Film Dosimetry and its Applications in Radiotherapy 2011 ,		31
76	Independent quality assurance of a helical tomotherapy machine using the dose magnifying glass. <i>Medical Physics</i> , 2011 , 38, 2256-64	4.4	7
75	Comparison of prostate IMRT and VMAT biologically optimised treatment plans. <i>Medical Dosimetry</i> , 2011 , 36, 292-8	1.3	54
74	From HEP to medical radiation dosimetry □The silicon strip detector dose magnifying glass. <i>Radiation Measurements</i> , 2011 , 46, 1615-1618	1.5	2
73	A study into the relationship between the measured penumbra and effective source size in the modeling of the Pinnacle RTPS. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2011 , 34, 233-41	1.9	5

72	Real-time in vivo dosimetry with MOSFET detectors in serial tomotherapy for head and neck cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 1581-8	4	22
71	Three-dimensional dosimetry imaging of I-125 plaque for eye cancer treatment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 633, S276-S278	1.2	7
70	In vivo real-time dosimetric verification in high dose rate prostate brachytherapy. <i>Medical Physics</i> , 2011 , 38, 4785-94	4.4	25
69	Surface dosimetry for breast radiotherapy in the presence of immobilization cast material. <i>Physics in Medicine and Biology</i> , 2011 , 56, 1001-13	3.8	32
68	Megavoltage cone beam CT near surface dose measurements: potential implications for breast radiotherapy. <i>Medical Physics</i> , 2011 , 38, 6222-7	4.4	12
67	The use of a silicon strip detector dose magnifying glass in stereotactic radiotherapy QA and dosimetry. <i>Medical Physics</i> , 2011 , 38, 1226-38	4.4	22
66	SU-E-T-226: Image Acquisition and Processing Characteristics of a Siemens EPID: Potential Problems for EPID Dosimetry. <i>Medical Physics</i> , 2011 , 38, 3538-3538	4.4	
65	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. <i>Medical Physics</i> , 2010 , 37, 5208-17	4.4	50
64	In vivo real-time rectal wall dosimetry for prostate radiotherapy. <i>Physics in Medicine and Biology</i> , 2010 , 55, 3859-71	3.8	50
63	Rectal dose reduction with IMRT for prostate radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2010 , 54, 235-48	1.7	16
62	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
61	A silicon strip detector dose magnifying glass for IMRT dosimetry. <i>Medical Physics</i> , 2010 , 37, 427-39	4.4	26
60	Intensity modulated radiation therapy (IMRT) surface dose measurements using a PTW advanced Markus chamber. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010 , 33, 23-34	1.9	23
59	Comparison of natural and synthetic diamond X-ray detectors. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010 , 33, 301-6	1.9	4
58	TU-C-204B-04: Monte Carlo Characterization of Skin Doses in MRI-Guided-Radiotherapy. <i>Medical Physics</i> , 2010 , 37, 3385-3385	4.4	
57	High resolution entry and exit Monte Carlo dose calculations from a linear accelerator 6 MV beam under the influence of transverse magnetic fields. <i>Medical Physics</i> , 2009 , 36, 3549-59	4.4	47
56	A predictive method of calculating the dosimetric effect of 1-D motion on narrow multileaf collimated segments. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2009 , 32, 1-10	1.9	1
55	Tissue equivalency of phantom materials for neutron dosimetry in proton therapy. <i>Medical Physics</i> , 2009 , 36, 5412-9	4.4	12

54	Endo-rectal balloon cavity dosimetry in a phantom: performance under IMRT and helical tomotherapy beams. <i>Radiotherapy and Oncology</i> , 2009 , 92, 48-56	5.3	11
53	In vivo verification of superficial dose for head and neck treatments using intensity-modulated techniques. <i>Medical Physics</i> , 2009 , 36, 59-70	4.4	39
52	Re: Multicentre quality assurance of intensity-modulated radiation therapy planning: beware the benchmarker. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2008 , 52, 303	1.7	1
51	Dosimetric verification of helical tomotherapy for total scalp irradiation. <i>Medical Physics</i> , 2008 , 35, 5061-4	4.4	32
50	A comparison of proton therapy and IMRT treatment plans for prostate radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2008 , 31, 325-31	1.9	8
49	Production of Ac-225 for cancer therapy by photon-induced transmutation of Ra-226. <i>Applied Radiation and Isotopes</i> , 2007 , 65, 1014-22	1.7	22
48	Multicentre quality assurance of intensity-modulated radiation therapy plans: a precursor to clinical trials. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2007 , 51, 472-9		36
47	Multileaf collimator end leaf leakage: implications for wide-field IMRT. <i>Physics in Medicine and Biology</i> , 2007 , 52, N493-504	3.8	6
46	SU-FF-T-308: Monte Carlo Simulation for Evaluating the Matchline Effect of IMRT Technique. <i>Medical Physics</i> , 2007 , 34, 2472-2472	4.4	
45	Comparison of skin dose between conventional radiotherapy and IMRT. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2006 , 29, 272-7	1.9	24
44	Verification of a rounded leaf-end MLC model used in a radiotherapy treatment planning system. <i>Physics in Medicine and Biology</i> , 2006 , 51, N65-78	3.8	17
43	Intensity-modulated radiation therapy: overlapping co-axial modulated fields. <i>Physics in Medicine and Biology</i> , 2004 , 49, 3629-37	3.8	1
42	Matchline dosimetry in step and shoot IMRT fields: a film study. <i>Physics in Medicine and Biology</i> , 2004 , 49, N287-92	3.8	11
41	Intensity-modulated radiation therapy: not a dry eye in the house. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2004 , 48, 35-44		9
40	IMRT: is it Nirvana?. <i>Progress in Palliative Care</i> , 2004 , 12, 16-23	1	
39	Intensity modulated radiation therapy: film verification of planar dose maps. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2003 , 26, 194-9	1.9	4
38	Radiochromic film for medical radiation dosimetry. <i>Materials Science and Engineering Reports</i> , 2003 , 41, 61-120	30.9	226
37	Radiobiological indices that consider volume: a review. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2002 , 25, 47-57	1.9	5

36	Verification of CT number to density conversion for a simulator-T attachment. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2002 , 25, 78-80	1.9	
35	Measurement of skin dose variations produced by a silicon-based protective dressing in radiotherapy. <i>Physics in Medicine and Biology</i> , 2002 , 47, N145-51	3.8	7
34	Effects of water light absorption properties of a radiographic film. <i>Physics in Medicine and Biology</i> , 2002 , 47, N279-84	3.8	
33	High sensitivity radiochromic film dose comparisons. <i>Physics in Medicine and Biology</i> , 2002 , 47, N291-5	3.8	30
32	The use of the linear quadratic model in radiotherapy: a review. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2001 , 24, 132-46	1.9	42
31	Directional dependence in film dosimetry: radiographic and radiochromic film. <i>Physics in Medicine and Biology</i> , 2001 , 46, 1391-7	3.8	73
30	Effect of hip prostheses on radiotherapy dose. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2000 , 44, 290-5		32
29	Simulation and measurement of air generated electron contamination in radiotherapy. <i>Radiation Measurements</i> , 2000 , 32, 105-111	1.5	3
28	Evaluation of a radiotherapy electron contamination deflecting system. <i>Radiation Measurements</i> , 2000 , 32, 101-104	1.5	3
27	Effects on skin dose from unwanted air gaps under bolus in photon beam radiotherapy. <i>Radiation Measurements</i> , 2000 , 32, 201-204	1.5	61
26	Assessment of large single-fraction, low-energy X-ray dose with radiochromic film. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000 , 46, 1071-5	4	11
25	Verification of lung dose in an anthropomorphic phantom calculated by the collapsed cone convolution method. <i>Physics in Medicine and Biology</i> , 2000 , 45, N143-9	3.8	31
24	Measurement of radiotherapy x-ray skin dose on a chest wall phantom. <i>Medical Physics</i> , 2000 , 27, 1676-80	4.4	98
23	Accounting for treatment delays when treating highly proliferative tumours. <i>Physics in Medicine and Biology</i> , 1999 , 44, 223-34	3.8	4
22	Perturbation of radiotherapy beams by radiographic film: measurements and Monte Carlo simulations. <i>Physics in Medicine and Biology</i> , 1999 , 44, 1755-65	3.8	38
21	Standard effective doses for proliferative tumours. <i>Physics in Medicine and Biology</i> , 1999 , 44, 2127-42	3.8	1
20	Radiotherapy dose compensation for lung patients. <i>Journal of Medical Imaging and Radiation Oncology</i> , 1999 , 43, 210-4		
19	Extrapolated surface dose measurements with radiochromic film. <i>Medical Physics</i> , 1999 , 26, 485-488	4.4	40

18	Incident contamination lepton doses measured using radiochromic film in radiotherapy. <i>Radiation Measurements</i> , 1998 , 29, 605-609	1.5	1
17	Effects of read-out light sources and ambient light on radiochromic film. <i>Physics in Medicine and Biology</i> , 1998 , 43, 2407-12	3.8	69
16	Measurement of off-axis and peripheral skin dose using radiochromic film. <i>Physics in Medicine and Biology</i> , 1998 , 43, 2647-50	3.8	30
15	Multicentre dosimetry study of mantle treatment in Australia and New Zealand. <i>Radiotherapy and Oncology</i> , 1996 , 40, 171-80	5.3	16
14	Radiochromic film as a radiotherapy surface-dose detector. <i>Physics in Medicine and Biology</i> , 1996 , 41, 1073-8	3.8	37
13	Magnetic repulsion of linear accelerator contaminates. <i>Medical Physics</i> , 1996 , 23, 953-5	4.4	12
12	A new radiotherapy surface dose detector:the MOSFET. <i>Medical Physics</i> , 1996 , 23, 655-8	4.4	92
11	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)]. <i>Medical Physics</i> , 1994 , 21, 1261	4.4	
10	A comparison of three electron planning algorithms for a 16 MeV electron beam. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994 , 28, 731-40	4	8
9	Investigation of the tissue equivalence of gels used for NMR dosimetry. <i>Physics in Medicine and Biology</i> , 1993 , 38, 139-50	3.8	58
8	Thermoluminescence dosimetry of therapeutic X-rays with LiF ribbons and rods. <i>Physics in Medicine and Biology</i> , 1993 , 38, 833-845	3.8	13
7	The penumbra of a 6-MV x-ray beam as measured by thermoluminescent dosimetry and evaluated using an inverse square root function. <i>Medical Physics</i> , 1993 , 20, 1429-38	4.4	15
6	Dosimetry of 6-MV x-ray beam penumbra. <i>Medical Physics</i> , 1993 , 20, 1439-45	4.4	44
5	X-ray surface dose measurements using TLD extrapolation. <i>Medical Physics</i> , 1993 , 20, 703-11	4.4	73
4	Superposition on a multicomputer system. <i>Medical Physics</i> , 1991 , 18, 468-73	4.4	5
3	Beam hardening of 10 MV radiotherapy x-rays: analysis using a convolution/superposition method. <i>Physics in Medicine and Biology</i> , 1990 , 35, 1533-49	3.8	18
2	Experimental verification of cesium brachytherapy line source emission using a semiconductor detector. <i>Medical Physics</i> , 1988 , 15, 702-6	4.4	10
1	Radiotherapy planning accuracy in terms of C.T. numbers and inhomogeneity correction techniques. <i>Journal of Medical Imaging and Radiation Oncology</i> , 1988 , 32, 371-9		4

