Philip M Evans

List of Publications by Year
in descending order

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206 papers	7,447 citations	50276 46 h-index	66911 78 g-index
207 all docs	207 docs citations	207 times ranked	5153 citing authors

#	Article	IF	Citations
1	An end-to-end assessment on the accuracy of adaptive radiotherapy in an MR-linac. Physics in Medicine and Biology, 2021, 66, 055021.	3.0	11
2	Machine learning for proton path tracking in proton computed tomography. Physics in Medicine and Biology, 2021, 66, 105013.	3.0	2
3	Statistical limitations in ion imaging. Physics in Medicine and Biology, 2021, 66, 105009.	3.0	6
4	Statistical limitations in proton imaging. Physics in Medicine and Biology, 2020, 65, 085011.	3.0	12
5	MoliÃ¨re maximum likelihood proton path estimation approximated by cubic BÃ©zier curve for scatter corrected proton CT reconstruction. Physics in Medicine and Biology, 2020, 65, 175003.	3.0	1
6	The Challenge Facing Academic Radiotherapy Physics in the UK. Clinical Oncology, 2019, 31, 858-860.	1.4	4
7	EP-1479 The use of CT texture analysis in cervical cancer to predict response to chemoradiotherapy. Radiotherapy and Oncology, 2019, 133, S801-S802.	0.6	0
8	PO-1019 The elephant plot: Differentiating between early recurrence and Benign Lung Injury after SABR. Radiotherapy and Oncology, 2019, 133, S564.	0.6	0
9	Recent developments in non-coplanar radiotherapy. British Journal of Radiology, 2019, 92, 20180908.	2.2	57
10	The stability of imaging biomarkers in radiomics: a framework for evaluation. Physics in Medicine and Biology, 2019, 64, 165012.	3.0	8
11	Dosimetric accuracy of dynamic couch rotation during volumetric modulated arc therapy (DCR-VMAT) for primary brain tumours. Physics in Medicine and Biology, 2019, 64, 08NT01.	3.0	7
12	Integration of Proton Computed Tomography into the Open Source Software STIR. , 2019, , .		0
13	Proton Computed Tomography: A Case Study for Optimal Data Acquisition. , 2019, , .		0
14	Textural analysis and lung function study: Predicting lung fitness for radiotherapy from a CT scan. BJR|Open, 2019, 1, bjro.20180001.	0.6	0
15	Proton Beam Therapy â€“ the Challenges of Delivering High-quality Evidence of Clinical Benefit. Clinical Oncology, 2018, 30, 280-284.	1.4	21
16	Clinical applications of textural analysis in non-small cell lung cancer. British Journal of Radiology, 2018, 91, 20170267.	2.2	28
17	EP-1696: Evaluating excellence in radiotherapy research: the UK CTRad â€˜Centres of Excellenceâ€™ initiative. Radiotherapy and Oncology, 2018, 127, S910.	0.6	2
18	PRaVDA: The first solid-state system for proton computed tomography. Physica Medica, 2018, 55, 149-154.	0.7	36

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19	PO-0893: Dosimetric accuracy and delivery efficiency of dynamic couch rotation VMAT (DCR-VMAT). Radiotherapy and Oncology, 2018, 127, S474.	0.6	2
20	PO-0970: Robustness of Texture as a Biomarker in Radiomics Applications. Radiotherapy and Oncology, 2018, 127, S534-S535.	0.6	0
21	Factors influencing the robustness ofP-value measurements in CT texture prognosis studies. Physics in Medicine and Biology, 2017, 62, 5403-5416.	3.0	2
22	The UK HeartSpare Study (Stage II): Multicentre Evaluation of a Voluntary Breath-hold Technique in Patients Receiving Breast Radiotherapy. Clinical Oncology, 2017, 29, e51-e56.	1.4	45
23	Partial-breast radiotherapy after breast conservation surgery for patients with early breast cancer (UK IMPORT LOW trial): 5-year results from a multicentre, randomised, controlled, phase 3, non-inferiority trial. Lancet, The, 2017, 390, 1048-1060.	13.7	448
24	An experimental demonstration of a new type of proton computed tomography using a novel silicon tracking detector. Medical Physics, 2016, 43, 6129-6136.	3.0	20
25	Mean heart dose variation over a course of breath-holding breast cancer radiotherapy. British Journal of Radiology, 2016, 89, 20160536.	2.2	3
26	Non-coplanar trajectories to improve organ at risk sparing in volumetric modulated arc therapy for primary brain tumors. Radiotherapy and Oncology, 2016, 121, 124-131.	0.6	36
27	Classification of fibroglandular tissue distribution in the breast based on radiotherapy planning CT. BMC Medical Imaging, 2016, 16, 6.	2.7	2
28	A multicentre study of the evidence for customized margins in photon breast boost radiotherapy. British Journal of Radiology, 2016, 89, 20150603.	2.2	6
29	Does breast composition influence late adverse effects in breast radiotherapy?. Breast, 2016, 26, 25-30.	2.2	2
30	Expected proton signal sizes in the PRaVDA Range Telescope for proton Computed Tomography. Journal of Instrumentation, 2015, 10, P05013-P05013.	1.2	13
31	The UK HeartSpare Study (Stage IB): Randomised comparison of a voluntary breath-hold technique and prone radiotherapy after breast conserving surgery. Radiotherapy and Oncology, 2015, 114, 66-72.	0.6	72
32	CMOS Active Pixel Sensors as energy-range detectors for proton Computed Tomography. Journal of Instrumentation, 2015, 10, C06001-C06001.	1.2	11
33	Combining marker-less patient setup and respiratory motion monitoring using low cost 3D camera technology. , 2015, , .		3
34	Proton radiography and tomography with application to proton therapy. British Journal of Radiology, 2015, 88, 20150134.	2.2	130
35	The IMPORT HIGH Image-guided Radiotherapy Study: A Model for Assessing Image-guided Radiotherapy. Clinical Oncology, 2015, 27, 3-5.	1.4	4
36	Performance of a novel wafer scale CMOS active pixel sensor for bio-medical imaging. Physics in Medicine and Biology, 2014, 59, 3533-3554.	3.0	17

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37	Proton computed tomography reconstruction using a backprojection-then-filtering approach. Physics in Medicine and Biology, 2014, 59, 7905-7918.	3.0	29
38	4D ultrasound speckle tracking of intra-fraction prostate motion: a phantom-based comparison with x-ray fiducial tracking using CyberKnife. Physics in Medicine and Biology, 2014, 59, 1701-1720.	3.0	18
39	Proton-counting radiography for proton therapy: a proof of principle using CMOS APS technology. Physics in Medicine and Biology, 2014, 59, 2569-2581.	3.0	36
40	The role of texture analysis in imaging as an outcome predictor and potential tool in radiotherapy treatment planning. British Journal of Radiology, 2014, 87, 20140369.	2.2	83
41	Dosimetry of very high energy electrons (VHEE) for radiotherapy applications: using radiochromic film measurements and Monte Carlo simulations. Physics in Medicine and Biology, 2014, 59, 5811-5829.	3.0	39
42	The Effect of Image Guidance on Dose Distributions in Breast Boost Radiotherapy. Clinical Oncology, 2014, 26, 671-676.	1.4	9
43	Voluntary Breath-hold Technique for Reducing Heart Dose in Left Breast Radiotherapy. Journal of Visualized Experiments, 2014, , .	0.3	27
44	Investigation of the accuracy of breast tissue segmentation methods for the purpose of developing breast deformation models for use in adaptive radiotherapy. Journal of Physics: Conference Series, 2014, 489, 012030.	0.4	1
45	Fast regional readout CMOS Image Sensor for dynamic MLC tracking. Journal of Physics: Conference Series, 2014, 489, 012085.	0.4	1
46	A multicentre observational study evaluating image-guided radiotherapy for more accurate partial-breast intensity-modulated radiotherapy: comparison with standard imaging technique. Efficacy and Mechanism Evaluation, 2014, 1, 1-74.	0.7	6
47	TU-A-12A-06: Intra-Observer Variability in Delineation of Target Volumes in Breast Radiotherapy and Its Effect On Accuracy of Deformation Measurements. Medical Physics, 2014, 41, 451-451.	3.0	0
48	SU-E-J-135: An Investigation of Ultrasound Imaging for 3D Intra-Fraction Prostate Motion Estimation. Medical Physics, 2014, 41, 187-187.	3.0	0
49	The Validation Index: A New Metric for Validation of Segmentation Algorithms Using Two or More Expert Outlines With Application to Radiotherapy Planning. IEEE Transactions on Medical Imaging, 2013, 32, 1481-1489.	8.9	10
50	The UK HeartSpare Study: Randomised evaluation of voluntary deep-inspiratory breath-hold in women undergoing breast radiotherapy. Radiotherapy and Oncology, 2013, 108, 242-247.	0.6	163
51	Tumour bed delineation for partial breast/breast boost radiotherapy: What is the optimal number of implanted markers?. Radiotherapy and Oncology, 2013, 106, 231-235.	0.6	40
52	Trajectory optimization for dynamic couch rotation during volumetric modulated arc radiotherapy. Physics in Medicine and Biology, 2013, 58, 8163-8177.	3.0	50
53	Normal tissue complication probability (NTCP) parameters for breast fibrosis: Pooled results from two randomised trials. Radiotherapy and Oncology, 2013, 108, 293-298.	0.6	46
54	Multileaf Collimation Cardiac Shielding in Breast Radiotherapy: Cardiac Doses are Reduced, But at What Cost?. Clinical Oncology, 2013, 25, 690-696.	1.4	20

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55	Optical photon transport in powderedâ€phosphor scintillators. Part 1. Multipleâ€scattering and validity of the Boltzmann transport equation. Medical Physics, 2013, 40, 041904.	3.0	15
56	Optical photon transport in powderedâ€phosphor scintillators. Part II. Calculation of singleâ€scattering transport parameters. Medical Physics, 2013, 40, 041905.	3.0	17
57	Towards real-time VMAT verification using a prototype, high-speed CMOS active pixel sensor. Physics in Medicine and Biology, 2013, 58, 3359-3375.	3.0	8
58	An experimental comparison of conventional two-bank and novel four-bank dynamic MLC tracking. Physics in Medicine and Biology, 2013, 58, 1635-1648.	3.0	1
59	An experimental evaluation of the Agility MLC for motion-compensated VMAT delivery. Physics in Medicine and Biology, 2013, 58, 4643-4657.	3.0	22
60	Fluoroscopy as a surrogate for lung tumour motion. British Journal of Radiology, 2012, 85, 168-175.	2.2	8
61	Second cancer incidence risk estimates using BEIR VII models for standard and complex external beam radiotherapy for early breast cancer. Medical Physics, 2012, 39, 5814-5824.	3.0	64
62	In vivoliver tracking with a high volume rate 4D ultrasound scanner and a 2D matrix array probe. Physics in Medicine and Biology, 2012, 57, 1359-1374.	3.0	46
63	Kilovoltage energy imaging with a radiotherapy linac with a continuously variable energy range. Medical Physics, 2012, 39, 1218-1226.	3.0	9
64	Technical Note: Suppression of artifacts arising from simultaneous cone-beam imaging and RF transponder tracking in prostate radiotherapy. Medical Physics, 2012, 39, 1646-1649.	3.0	1
65	Cone Beam Computed Tomography Number Errors and Consequences for Radiotherapy Planning: An Investigation of Correction Methods. International Journal of Radiation Oncology Biology Physics, 2012, 84, e109-e114.	0.8	39
66	Parameters for the Lyman Kutcher Burman (LKB) model of Normal Tissue Complication Probability (NTCP) for specific rectal complications observed in clinical practise. Radiotherapy and Oncology, 2012, 102, 347-351.	0.6	66
67	How does imaging frequency and soft tissue motion affect the PTV margin size in partial breast and boost radiotherapy?. Radiotherapy and Oncology, 2012, 103, 166-171.	0.6	20
68	Relationship between irradiated breast volume and late normal tissue complications: A systematic review. Radiotherapy and Oncology, 2012, 104, 1-10.	0.6	69
69	Adaptive Breast Radiation Therapy Using Modeling of Tissue Mechanics: A Breast Tissue Segmentation Study. International Journal of Radiation Oncology Biology Physics, 2012, 84, e419-e425.	0.8	8
70	High-Speed Tracking of Moving Markers During Radiotherapy Using a CMOS Active Pixel Sensor. International Journal of Radiation Oncology Biology Physics, 2011, 81, S763-S764.	0.8	0
71	1167 poster INTRODUCING THE CONCEPT OF EQUIVALENT UNIFORM OXYGENATION. Radiotherapy and Oncology, 2011, 99, S434-S435.	0.6	0
72	A randomised trial of Supine versus Prone breast radiotherapy (SuPr study): Comparing set-up errors and respiratory motion. Radiotherapy and Oncology, 2011, 100, 221-226.	0.6	84

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73	Evaluation of implanted gold seeds for breast radiotherapy planning and on treatment verification: A feasibility study on behalf of the IMPORT trialists. Radiotherapy and Oncology, 2011, 100, 276-281.	0.6	32
74	The Use of the Active Breathing Coordinator Throughout Radical Nonâ€“Small-Cell Lung Cancer (NSCLC) Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2011, 81, 369-375.	0.8	45
75	DynAMITe: a wafer scale sensor for biomedical applications. Journal of Instrumentation, 2011, 6, C12064-C12064.	1.2	26
76	Imaging of moving fiducial markers during radiotherapy using a fast, efficient active pixel sensor based EPID. Medical Physics, 2011, 38, 6152-6159.	3.0	3
77	Dosimetric consequences of inter-fraction breathing-pattern variation on radiotherapy with personalized motion-assessed margins. Physics in Medicine and Biology, 2011, 56, 7033-7043.	3.0	6
78	Removal and effects of scatter-glare in cone-beam CT with an amorphous-silicon flat-panel detector. Physics in Medicine and Biology, 2011, 56, 1837-1851.	3.0	41
79	The effect of object speed and direction on the performance of 3D speckle tracking using a 3D swept-volume ultrasound probe. Physics in Medicine and Biology, 2011, 56, 7127-7143.	3.0	10
80	Comparative study of a low-Zcone-beam computed tomography system. Physics in Medicine and Biology, 2011, 56, 4453-4464.	3.0	7
81	SU-C-214-01: Design and Evaluation of a Low Megavoltage Imaging Beam from a Prototype Waveguide. Medical Physics, 2011, 38, 3372-3372.	3.0	0
82	WE-D-220-03: The Effect of Object Speed on the Performance of 3D Speckle Tracking Using a 3D Swept-Volume Probe for the Purpose of Ultrasound-Guided Radiotherapy. Medical Physics, 2011, 38, 3813-3813.	3.0	0
83	TU-A-301-02: Evaluation of Breast Tissue Segmentation Methods Using Supine and Prone Computed Tomography Data. Medical Physics, 2011, 38, 3745-3745.	3.0	2
84	Characterisation of regional variations in a stitched CMOS active pixel sensor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 540-548.	1.6	11
85	Doseâ€“Volume Constraints to Reduce Rectal Side Effects From Prostate Radiotherapy: Evidence From MRC RT01 Trial ISRCTN 47772397. International Journal of Radiation Oncology Biology Physics, 2010, 76, 747-754.	0.8	123
86	3D Liver tracking using a matrix array: Implications for ultrasonic guidance of IMRT. , 2010, , .		6
87	The use of PET images for radiotherapy treatment planning: An error analysis using radiobiological endpoints. Medical Physics, 2010, 37, 516-531.	3.0	13
88	Speckle tracking in a phantom and feature-based tracking in liver in the presence of respiratory motion using 4D ultrasound. Physics in Medicine and Biology, 2010, 55, 3363-3380.	3.0	66
89	Gating characteristics of an Elekta radiotherapy treatment unit measured with three types of detector. Physics in Medicine and Biology, 2010, 55, N201-N210.	3.0	14
90	CT reconstruction from portal images acquired during volumetric-modulated arc therapy. Physics in Medicine and Biology, 2010, 55, 5635-5651.	3.0	16

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91	How does knowledge of three-dimensional excision margins following breast conservation surgery impact upon clinical target volume definition for partial-breast radiotherapy?. Radiotherapy and Oncology, 2010, 94, 292-299.	0.6	22
92	Prone versus supine positioning for whole and partial-breast radiotherapy: A comparison of non-target tissue dosimetry. Radiotherapy and Oncology, 2010, 96, 178-184.	0.6	151
93	Target-tracking deliveries on an Elekta linac: a feasibility study. Physics in Medicine and Biology, 2009, 54, 3563-3578.	3.0	21
94	Rayleigh scatter in kilovoltage x-ray imaging: is the independent atom approximation good enough?. Physics in Medicine and Biology, 2009, 54, 6931-6942.	3.0	18
95	Obtaining breathing patterns from any sequential thoracic x-ray image set. Physics in Medicine and Biology, 2009, 54, 4879-4888.	3.0	49
96	Evaluation of a three-dimensional ultrasound localisation system incorporating probe pressure correction for use in partial breast irradiation. British Journal of Radiology, 2009, 82, 839-846.	2.2	3
97	An efficient Monte Carlo-based algorithm for scatter correction in keV cone-beam CT. Physics in Medicine and Biology, 2009, 54, 3847-3864.	3.0	124
98	The Multidimensional Integrated Intelligent Imaging project (MI-3). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 196-198.	1.6	12
99	Tumor Bed Delineation for Partial Breast and Breast Boost Radiotherapy Planned in the Prone Position: What Does MRI Add to X-ray CT Localization of Titanium Clips Placed in the Excision Cavity Wall?. International Journal of Radiation Oncology Biology Physics, 2009, 74, 1276-1282.	0.8	50
100	Preliminary investigations of active pixel sensors in Nuclear Medicine imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 86-88.	1.6	0
101	Characterization of Target Volume Changes During Breast Radiotherapy Using Implanted Fiducial Markers and Portal Imaging. International Journal of Radiation Oncology Biology Physics, 2009, 73, 958-966.	0.8	43
102	Characterization and Testing of LAS: A Prototype `Large Area Sensor' With Performance Characteristics Suitable for Medical Imaging Applications. IEEE Transactions on Nuclear Science, 2009, 56, 2938-2946.	2.0	26
103	Electron beam quality control using an amorphous silicon EPID. Medical Physics, 2009, 36, 1859-1866.	3.0	14
104	Feasibility of the use of the Active Breathing Co ordinatorâ„¢ (ABC) in patients receiving radical radiotherapy for non-small cell lung cancer (NSCLC). Radiotherapy and Oncology, 2009, 93, 424-429.	0.6	69
105	SpekCalc: a program to calculate photon spectra from tungsten anode x-ray tubes. Physics in Medicine and Biology, 2009, 54, N433-N438.	3.0	556
106	Dose prescription complexity versus tumor control probability in biologically conformal radiotherapy. Medical Physics, 2009, 36, 4379-4388.	3.0	21
107	SU-FF-I-160: SpekCalc: A Free and User-Friendly Software Program for Calculating X-Ray Tube Spectra. Medical Physics, 2009, 36, 2472-2472.	3.0	5
108	A Comparison of the Use of Bony Anatomy and Internal Markers for Offline Verification and an Evaluation of the Potential Benefit of Online and Offline Verification Protocols for Prostate Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2008, 71, 41-50.	0.8	69

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109	A theoretical framework for prescribing radiotherapy dose distributions using patientâ€specific biological information. Medical Physics, 2008, 35, 4599-4611.	3.0	29
110	Defining the margins in the radical radiotherapy of non-small cell lung cancer (NSCLC) with active breathing control (ABC) and the effect on physical lung parameters. Radiotherapy and Oncology, 2008, 87, 65-73.	0.6	78
111	An investigation into methods of IMRT planning applied to breast radiotherapy. British Journal of Radiology, 2008, 81, 311-322.	2.2	36
112	Dosimetric investigation of lung tumor motion compensation with a robotic respiratory tracking system: An experimental study. Medical Physics, 2008, 35, 1232-1240.	3.0	60
113	Anatomical imaging for radiotherapy. Physics in Medicine and Biology, 2008, 53, R151-R191.	3.0	107
114	Planning lung radiotherapy using 4D CT data and a motion model. Physics in Medicine and Biology, 2008, 53, 5815-5830.	3.0	40
115	An investigation into the use of CMOS active pixel technology in image-guided radiotherapy. Physics in Medicine and Biology, 2008, 53, 3159-3174.	3.0	11
116	A margin model to account for respiration-induced tumour motion and its variability. Physics in Medicine and Biology, 2008, 53, 4317-4330.	3.0	29
117	A lowZlinac and flat panel imager: comparison with the conventional imaging approach. Physics in Medicine and Biology, 2008, 53, 6305-6319.	3.0	33
118	Active pixel sensors in Nuclear Medicine imaging. , 2008, , .		0
119	A simple Monte Carlo based optimisation model to determine image contrast in an imaging system. Journal of Physics: Conference Series, 2008, 102, 012019.	0.4	0
120	WE-C-AUD B-04: Normal Tissue Complication Probability: Updating the Model Parameters for Modern Radiotherapy. Medical Physics, 2008, 35, 2933-2933.	3.0	0
121	Performance of ultrasound based measurement of 3D displacement using a curvilinear probe for organ motion tracking. Physics in Medicine and Biology, 2007, 52, 5683-5703.	3.0	35
122	Calculation of xâ€ray spectra emerging from an xâ€ray tube. Part I. Electron penetration characteristics in xâ€ray targets. Medical Physics, 2007, 34, 2164-2174.	3.0	190
123	Randomised trial of standard 2D radiotherapy (RT) versus intensity modulated radiotherapy (IMRT) in patients prescribed breast radiotherapy. Radiotherapy and Oncology, 2007, 82, 254-264.	0.6	427
124	Amorphous silicon EPID calibration for dosimetric applications: comparison of a method based on Monte Carlo prediction of response with existing techniques. Physics in Medicine and Biology, 2007, 52, 3351-3368.	3.0	35
125	A CsI-Active Pixel Sensor Based Detector for Gamma Ray Imaging. , 2006, , .		2
126	Feasibility of fully automated detection of fiducial markers implanted into the prostate using electronic portal imaging: A comparison of methods. International Journal of Radiation Oncology Biology Physics, 2006, 66, 1263-1270.	0.8	30

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127	Innovative Techniques in Radiation Therapy: Editorial, Overview, and Crystal Ball Gaze to the Future. Seminars in Radiation Oncology, 2006, 16, 193-198.	2.2	11
128	Accuracy and precision of an external-marker tracking-system for radiotherapy treatments. British Journal of Radiology, 2006, 79, 808-817.	2.2	3
129	Effects of averaging over motion and the resulting systematic errors in radiation therapy. Physics in Medicine and Biology, 2006, 51, N1-N7.	3.0	15
130	A quantitative study of IMRT delivery effects in commercial planning systems for the case of oesophagus and prostate tumours. British Journal of Radiology, 2006, 79, 401-408.	2.2	5
131	Monte Carlo and Lambertian light guide models of the light output from scintillation crystals at megavoltage energies. Medical Physics, 2006, 33, 1797-1809.	3.0	7
132	The susceptibility of IMRT dose distributions to intrafraction organ motion: An investigation into smoothing filters derived from four dimensional computed tomography data. Medical Physics, 2006, 33, 2809-2818.	3.0	22
133	Evaluation of two methods of predicting MLC leaf positions using EPID measurements. Medical Physics, 2006, 33, 3174-3182.	3.0	39
134	Monte Carlo modelling of a-Si EPID response: The effect of spectral variations with field size and position. Medical Physics, 2006, 33, 4527-4540.	3.0	52
135	Assessing the effect of electron density in photon dose calculations. Medical Physics, 2006, 33, 540-552.	3.0	96
136	CT dosimetry: getting the best from the adult Cristy phantom. Radiation Protection Dosimetry, 2005, 114, 321-325.	0.8	19
137	Patient radiation doses for electron beam CT. Medical Physics, 2005, 32, 2517-2527.	3.0	5
138	Feasibility of using ultrasound for real-time tracking during radiotherapy. Medical Physics, 2005, 32, 1500-1512.	3.0	67
139	Initial patient imaging with an optimised radiotherapy beam for portal imaging. Radiotherapy and Oncology, 2005, 76, 63-71.	0.6	13
140	Spatial aspects of combined modality radiotherapy. Radiotherapy and Oncology, 2005, 77, 301-309.	0.6	11
141	14 Evaluation of Pencil Beam, Collapsed Cone and Monte Carlo IMRT dose calculation algorithms for dual target sites. Radiotherapy and Oncology, 2005, 76, S18.	0.6	2
142	108 An investigation into the efficacy of automatic marker detection methods applied to intra-fractional prostate motion tracking. Radiotherapy and Oncology, 2005, 76, S58.	0.6	0
143	147 Models of the light output from scintillation crystals. Radiotherapy and Oncology, 2005, 76, S76.	0.6	0
144	183 Clinical feasibility of a proposed internal margin model to account for variability in respiratory motion in gated radiotherapy delivery. Radiotherapy and Oncology, 2005, 76, S92.	0.6	1

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145	323 A-Si EPID image prediction for fields of various sizes and off-axis positions using Monte Carlo methods. Radiotherapy and Oncology, 2005, 76, S148.	0.6	0
146	398 Calibration of the true leaf positions in Monte Carlo simulations of an MLC. Radiotherapy and Oncology, 2005, 76, S175.	0.6	1
147	461 Analytical model of electronic portal imaging device response. Radiotherapy and Oncology, 2005, 76, S199.	0.6	0
148	Analysis of stochastic noise in intensity-modulated beams. Physics in Medicine and Biology, 2004, 49, 3857-3875.	3.0	2
149	Application of the linear-quadratic model to combined modality radiotherapy. International Journal of Radiation Oncology Biology Physics, 2004, 59, 228-241.	0.8	42
150	Dose resolution in gel dosimetry: effect of uncertainty in the calibration function. Physics in Medicine and Biology, 2004, 49, N139-N146.	3.0	28
151	Verification of patient position and delivery of IMRT by electronic portal imaging. Radiotherapy and Oncology, 2004, 73, 339-347.	0.6	23
152	Polymer gel measurement of dose homogeneity in the breast: comparing MLC intensity modulation with standard wedged delivery. Physics in Medicine and Biology, 2003, 48, 1065-1074.	3.0	19
153	Combining Dosimetry for Targeted Radionuclide and External Beam Therapies Using the Biologically Effective Dose. Cancer Biotherapy and Radiopharmaceuticals, 2003, 18, 89-97.	1.0	44
154	Combinational use of conformal and intensity-modulated beams in radiotherapy planning. Physics in Medicine and Biology, 2003, 48, 1795-1807.	3.0	5
155	Dose-position and dose-volume histogram analysis of standard wedged and intensity modulated treatments in breast radiotherapy. British Journal of Radiology, 2002, 75, 967-973.	2.2	55
156	Optimization of accelerator target and detector for portal imaging using Monte Carlo simulation and experiment. Physics in Medicine and Biology, 2002, 47, 3331-3349.	3.0	36
157	The use of electronic portal imaging to verify patient position during intensity-modulated radiotherapy delivered by the dynamic MLC technique. International Journal of Radiation Oncology Biology Physics, 2002, 54, 1225-1234.	0.8	21
158	The dosimetric consequences of inter-fractional patient movement on three classes of intensity-modulated delivery techniques in breast radiotherapy. Radiotherapy and Oncology, 2001, 59, 281-291.	0.6	14
159	An intercomparison of IMRT delivery techniques: a case study for breast treatment. Physics in Medicine and Biology, 2001, 46, N175-N185.	3.0	9
160	Analysis of the effects of the delivery technique on an IMRT plan: comparison for multiple static field, dynamic and NOMOS MIMiC collimation. Physics in Medicine and Biology, 2001, 46, 3073-3087.	3.0	14
161	A simulation of the effects of set-up error and changes in breast volume on conventional and intensity-modulated treatments in breast radiotherapy. Physics in Medicine and Biology, 2001, 46, 1451-1471.	3.0	17
162	Sampling considerations for intensity modulated radiotherapy verification using electronic portal imaging. Medical Physics, 2001, 28, 543-552.	3.0	2

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163	Evaluation of compensation in breast radiotherapy: a planning study using multiple static fields. International Journal of Radiation Oncology Biology Physics, 2000, 46, 671-679.	0.8	65
164	IMRT verification with a camera-based electronic portal imaging system. Physics in Medicine and Biology, 2000, 45, N183-N196.	3.0	33
165	A method of improving the spatial resolution of treatments that involve a multileaf collimator. Physics in Medicine and Biology, 2000, 45, 609-622.	3.0	20
166	Leaf position verification during dynamic beam delivery: A comparison of three applications using electronic portal imaging. Medical Physics, 2000, 27, 1601-1609.	3.0	38
167	Direct measurement and analytical modeling of scatter in portal imaging. Medical Physics, 2000, 27, 462-471.	3.0	51
168	The delivery of intensity modulated radiotherapy to the breast using multiple static fields. Radiotherapy and Oncology, 2000, 57, 79-89.	0.6	110
169	The dosimetric consequences of inter-fractional patient movement on conventional and intensity-modulated breast radiotherapy treatments. Radiotherapy and Oncology, 2000, 54, 57-64.	0.6	64
170	Verification of dynamic MLC beam delivery using electronic portal imaging. , 2000, , 556-557.		1
171	The Dosimetric Consequences of Patient Movement on Three Classes of Intensity-Modulated Delivery Techniques in Breast Radiotherapy. , 2000, , 289-291.		0
172	The Use of Compensators and Multiple Static Fields for IMRT of the Breast. , 2000, , 208-209.		0
173	A large-area ionization chamber for portal image calibration. Physics in Medicine and Biology, 1999, 44, 271-279.	3.0	4
174	Optical scattering in camera-based electronic portal imaging. Physics in Medicine and Biology, 1999, 44, 2381-2396.	3.0	25
175	Radiological thickness measurement using a liquid ionization chamber electronic portal imaging device. Physics in Medicine and Biology, 1999, 44, N89-N97.	3.0	14
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