

# Geoff Budgell

## List of Publications by Year in descending order

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29  
papers

773  
citations

567281

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501196

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all docs

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docs citations

29  
times ranked

550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic Radiographers at the Helm: Moving Towards Radiographer-Led MR-Guided Radiotherapy. Journal of Medical Imaging and Radiation Sciences, 2020, 51, 364-372.	0.3	28
2	Quantitative evaluation of 4D Cone beam CT scans with reduced scan time in lung cancer patients. Radiotherapy and Oncology, 2019, 136, 64-70.	0.6	10
3	Absolute Calibration of the Elekta Unity MR Linac Using the UK Code of Practice for High-Energy Photon Dosimetry. IFMBE Proceedings, 2019, , 455-458.	0.3	1
4	Quantification of static magnetic field effects on radiotherapy ionization chambers. Physics in Medicine and Biology, 2017, 62, 1731-1743.	3.0	33
5	The Future of Image-guided Radiotherapy. Clinical Oncology, 2017, 29, 662-666.	1.4	33
6	IPEM topical report 1: guidance on implementing flattening filter free (FFF) radiotherapy. Physics in Medicine and Biology, 2016, 61, 8360-8394.	3.0	45
7	A national dosimetric audit of IMRT. Radiotherapy and Oncology, 2011, 99, 246-252.	0.6	58
8	Comment on "On the insensitivity of single field planar dosimetry to IMRT inaccuracies". Medical Physics, 2010, 37, 6497-6498.	3.0	1
9	SU-CC&T&#293: Development of National Radiotherapy Audit in the UK. Medical Physics, 2010, 37, 3253-3253.	3.0	0
10	Electron beam quality control using an amorphous silicon EPID. Medical Physics, 2009, 36, 1859-1866.	3.0	14
11	Use of an amorphous silicon EPID for measuring MLC calibration at varying gantry angle. Physics in Medicine and Biology, 2008, 53, 473-485.	3.0	35
12	Analysis of the measurement precision of an amorphous silicon EPID used for MLC leaf position quality control and the long-term calibration stability of an optically controlled MLC. Physics in Medicine and Biology, 2008, 53, N297-N306.	3.0	11
13	Daily monitoring of linear accelerator beam parameters using an amorphous silicon EPID. Physics in Medicine and Biology, 2007, 52, 1721-1733.	3.0	44
14	A separated primary and scatter model for independent dose calculation of intensity modulated radiotherapy. Radiotherapy and Oncology, 2006, 80, 385-390.	0.6	7
15	Intensity-modulated Radiotherapy Planning from Limited Anatomical Information: Is Sim-CT Sufficient for Planning Women with Breast Cancer Receiving Intensity-modulated Radiotherapy?. Clinical Oncology, 2005, 17, 343-351.	1.4	2
16	Use of an amorphous silicon electronic portal imaging device for multileaf collimator quality control and calibration. Physics in Medicine and Biology, 2005, 50, 1377-1392.	3.0	52
17	Improving IMRT quality control efficiency using an amorphous silicon electronic portal imager. Medical Physics, 2005, 32, 3267-3278.	3.0	36
18	Quantitative analysis of patient-specific dosimetric IMRT verification. Physics in Medicine and Biology, 2005, 50, 103-119.	3.0	49

#	ARTICLE	IF	CITATIONS
19	Intensity modulated radiotherapy (IMRT) – an introduction. <i>Radiography</i> , 2002, 8, 241-249.	2.1	8
20	Clinical implementation of dynamic multileaf collimation for compensated bladder treatments. <i>Radiotherapy and Oncology</i> , 2001, 59, 31-38.	0.6	13
21	Prediction of Scattered Dose to the Testes in Abdominopelvic Radiotherapy. <i>Clinical Oncology</i> , 2001, 13, 120-125.	1.4	13
22	Improved delivery efficiency for step and shoot intensity modulated radiotherapy using a fast-tuning magnetron. <i>Physics in Medicine and Biology</i> , 2001, 46, N253-N261.	3.0	14
23	Leaf position verification during dynamic beam delivery: A comparison of three applications using electronic portal imaging. <i>Medical Physics</i> , 2000, 27, 1601-1609.	3.0	38
24	Verification of dynamic multileaf collimation using an electronic portal imaging device. <i>Physics in Medicine and Biology</i> , 2000, 45, 495-509.	3.0	67
25	Requirements for leaf position accuracy for dynamic multileaf collimation. <i>Physics in Medicine and Biology</i> , 2000, 45, 1211-1227.	3.0	62
26	Temporal resolution requirements for intensity modulated radiation therapy delivered by multileaf collimators. <i>Physics in Medicine and Biology</i> , 1999, 44, 1581-1596.	3.0	14
27	Customised compensation using intensity modulated beams delivered by dynamic multileaf collimation. <i>Radiotherapy and Oncology</i> , 1999, 53, 59-65.	0.6	9
28	Rectangular edge synchronization for intensity modulated radiation therapy with dynamic multileaf collimation. <i>Physics in Medicine and Biology</i> , 1998, 43, 2769-2784.	3.0	17
29	Quality assurance of the dose delivered by small radiation segments. <i>Physics in Medicine and Biology</i> , 1998, 43, 2665-2675.	3.0	59