

Robin Hill

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

607
citations

932766

10
h-index

794141

19
g-index

21
all docs

21
docs citations

21
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in kilovoltage x-ray beam dosimetry. <i>Physics in Medicine and Biology</i> , 2014, 59, R183-R231.	1.6	133
2	The water equivalence of solid phantoms for low energy photon beams. <i>Medical Physics</i> , 2010, 37, 4355-4363.	1.6	87
3	Investigation of radiological properties and water equivalency of PRESAGE [®] dosimeters. <i>Medical Physics</i> , 2011, 38, 2265-2274.	1.6	79
4	An evaluation of ionization chambers for the relative dosimetry of kilovoltage x-ray beams. <i>Medical Physics</i> , 2009, 36, 3971-3981.	1.6	77
5	Dosimetry of cone-defined stereotactic radiosurgery fields with a commercial synthetic diamond detector. <i>Medical Physics</i> , 2014, 41, 111702.	1.6	55
6	An experimental extrapolation technique using the Gafchromic EBT3 film for relative output factor measurements in small x-ray fields. <i>Medical Physics</i> , 2016, 43, 4687-4692.	1.6	32
7	Radiological characterization and water equivalency of genipin gel for x-ray and electron beam dosimetry. <i>Physics in Medicine and Biology</i> , 2011, 56, 4685-4699.	1.6	30
8	A study on the suitability of the PTW microDiamond detector for kilovoltage x-ray beam dosimetry. <i>Applied Radiation and Isotopes</i> , 2018, 135, 104-109.	0.7	22
9	An evaluation of calculation parameters in the EGSnrc/BEAMnrc Monte Carlo codes and their effect on surface dose calculation. <i>Physics in Medicine and Biology</i> , 2012, 57, N267-N278.	1.6	18
10	An investigation of dose changes for therapeutic kilovoltage x-ray beams with underlying lead shielding. <i>Medical Physics</i> , 2007, 34, 3045-3053.	1.6	16
11	Australasian recommendations for quality assurance in kilovoltage radiation therapy from the Kilovoltage Dosimetry Working Group of the Australasian College of Physical Scientists and Engineers in Medicine. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 781-808.	1.4	15
12	A study on the use of Gafchromic [®] EBT3 film for output factor measurements in kilovoltage X-ray beams. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2013, 36, 465-471.	1.4	10
13	Practical time considerations for optically stimulated luminescent dosimetry (OSLD) in total body irradiation. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 167-171.	1.4	10
14	Monte Carlo calculated output correction factors for Gafchromic EBT3 film for relative dosimetry in small stereotactic radiosurgery fields. <i>Physical and Engineering Sciences in Medicine</i> , 2020, 43, 609-616.	1.3	6
15	Extrapolated skin dose assessment with optically stimulated luminescent dosimeters. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 047001.	0.6	4
16	Radiation dose measurements of an on-board imager X-ray unit using optically-stimulated luminescence dosimeters. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2015, 38, 665-669.	1.4	3
17	An evaluation of solid state detectors for the relative dosimetry of kilovoltage X-ray beams. <i>Medical Physics</i> , 2022, 49, 4082-4091.	1.6	3
18	A novel extrapolation method using OSL detectors for very small field output factor measurement for stereotactic radiosurgery. <i>Physical and Engineering Sciences in Medicine</i> , 2020, 43, 593-599.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Kilovoltage therapy is well and truly alive and needed in a modern radiotherapy centre. Physical and Engineering Sciences in Medicine, 2021, 44, 341-345.	1.3	2
20	Kilovoltage X-ray beam dosimetry and imaging. , 2017, , 81-100.		2
21	Dosimetric Comparison of VMAT and IMRT Pre-Operative Radiotherapy for Soft Tissue Sarcoma of the Extremities. Practical Radiation Oncology, 2022, , .	1.1	1