

Absorbed dose calorimetry

Physics in Medicine and Biology

65, 05TR02

DOI: 10.1088/1361-6560/ab4f29

Citation Report

#	ARTICLE	IF	CITATIONS
1	Absolute dosimetry of a 1.5 T MR-guided accelerator-based high-energy photon beam in water and solid phantoms using Aarrow. Medical Physics, 2020, 47, 1291-1304.	3.0	9
2	First-stage validation of a portable imageable MR-compatible water calorimeter. Medical Physics, 2020, 47, 5312-5323.	3.0	1
3	Beam Monitor Calibration for Radiobiological Experiments With Scanned High Energy Heavy Ion Beams at FAIR. Frontiers in Physics, 2020, 8, .	2.1	19
4	Using a small-core graphite calorimeter for dosimetry and scintillator quenching corrections in a therapeutic proton beam. Physics in Medicine and Biology, 2020, 65, 215023.	3.0	6
5	Reference dosimetry in MRI-linacs: evaluation of available protocols and data to establish a Code of Practice. Physics in Medicine and Biology, 2021, 66, 05TR02.	3.0	33
6	Performance characteristics of some cylindrical ion chamber dosimeters in Megavoltage (MV) photon beam according to TRS-398 dosimetry protocol. Radiation Physics and Chemistry, 2021, 180, 109299.	2.8	4
7	Feasibility of operating a millimeter-scale graphite calorimeter for absolute dosimetry of small-field photon beams in the clinic. Medical Physics, 2021, 48, 7476-7492.	3.0	2
8	Calorimeter for Real-Time Dosimetry of Pulsed Ultra-High Dose Rate Electron Beams. Frontiers in Physics, 2020, 8, .	2.1	17
9	Operating a graphite calorimeter in quasi-isothermal mode under high-energy x-ray beams. Physics in Medicine and Biology, 2020, 65, 235005.	3.0	0
10	Experimental determination of k_Q factors for two types of ionization chambers in scanned proton beams. Physics in Medicine and Biology, 2022, 67, 055001.	3.0	8
11	Ultra-high dose rate dosimetry: Challenges and opportunities for FLASH radiation therapy. Medical Physics, 2022, 49, 4912-4932.	3.0	51
12	Dose area product primary standards established by graphite calorimetry at the LNE-LNHB for small radiation fields in radiotherapy. Physica Medica, 2022, 98, 18-27.	0.7	3
13	Calorimeter measurements of absolute dose in aluminum, a surrogate of bone, to validate dose-to-medium in Acuros XB. Physics in Medicine and Biology, 2023, 68, 015019.	3.0	1
14	Absolute dosimetry for FLASH proton pencil beam scanning radiotherapy. Scientific Reports, 2023, 13, .	3.3	15
15	The PTB water calorimeter for determining the absolute absorbed dose to water in ultra-high pulse dose rate electron beams. Physics in Medicine and Biology, 0, .	3.0	2
16	Recent developments in absolute dosimetry for FLASH radiotherapy. British Journal of Radiology, 2023, 96, .	2.2	5
18	Investigation of contrast mechanisms for MRI phase signal-based proton beam visualization in water phantoms. Magnetic Resonance in Medicine, 2023, 90, 1776-1788.	3.0	1
19	MRI magnitude signal-based proton beam visualisation in water phantoms reflects composite effects of beam-induced buoyant convection and radiation chemistry. Physics in Medicine and Biology, 2023, 68, 185002.	3.0	0

#	ARTICLE	IF	CITATIONS
20	Monte Carlo modelling of a prototype small-body portable graphite calorimeter for ultra-high dose rate proton beams. Physics and Imaging in Radiation Oncology, 2023, 28, 100506.	2.9	1
21	Simulation-guided development of an optical calorimeter for high dose rate dosimetry. Physical and Engineering Sciences in Medicine, 2024, 47, 143-151.	2.4	0
23	Multi-point calorimeter using distributed fiber Bragg gratings for small field dosimetry in radiotherapy. Medical Physics, 2024, 51, 3758-3765.	3.0	0