

Mark Podesta

List of Publications by Year in descending order

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papers

528
citations

623574

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docs citations

23
times ranked

661
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic multiatlas based organ at risk segmentation in mice. British Journal of Radiology, 2019, 92, 20180364.	1.0	11
2	The effect of different image reconstruction techniques on pre-clinical quantitative imaging and dual-energy CT. British Journal of Radiology, 2019, 92, 20180447.	1.0	10
3	A novel approach to EPID-based 3D volumetric dosimetry for IMRT and VMAT QA. Physics in Medicine and Biology, 2018, 63, 115002.	1.6	20
4	VOXSI: A voxelized single- and dual-energy CT scenario generator for quantitative imaging. Physics and Imaging in Radiation Oncology, 2018, 6, 47-52.	1.2	10
5	Online pretreatment verification of high-dose rate brachytherapy using an imaging panel. Physics in Medicine and Biology, 2017, 62, 5440-5461.	1.6	31
6	A novel system for commissioning brachytherapy applicators: example of a ring applicator. Physics in Medicine and Biology, 2017, 62, 8360-8375.	1.6	14
7	Detection of anatomical changes in lung cancer patients with 2D time-integrated, 2D time-resolved and 3D time-integrated portal dosimetry: a simulation study. Physics in Medicine and Biology, 2017, 62, 6044-6061.	1.6	9
8	Time-resolved versus time-integrated portal dosimetry: the role of an object's position with respect to the isocenter in volumetric modulated arc therapy. Physics in Medicine and Biology, 2016, 61, 3969-3984.	1.6	13
9	Investigating deformable image registration and scatter correction for CBCT-based dose calculation in adaptive IMPT. Medical Physics, 2016, 43, 5635-5646.	1.6	92
10	Simulation of pseudo-CT images based on deformable image registration of ultrasound images: A proof of concept for transabdominal ultrasound imaging of the prostate during radiotherapy. Medical Physics, 2016, 43, 1913-1920.	1.6	16
11	Dose rate mapping of VMAT treatments. Physics in Medicine and Biology, 2016, 61, 4048-4060.	1.6	5
12	Time-Resolved Versus Integrated Transit Planar Dosimetry for Volumetric Modulated Arc Therapy. Technology in Cancer Research and Treatment, 2016, 15, NP79-NP87.	0.8	21
13	HDR ¹⁹² Ir source speed measurements using a high speed video camera. Medical Physics, 2015, 42, 412-415.	1.6	17
14	What Level of Accuracy Is Achievable for Preclinical Dose Painting Studies on a Clinical Irradiation Platform?. Radiation Research, 2015, 183, 501.	0.7	7
15	Weekly kilovoltage cone-beam computed tomography for detection of dose discrepancies during (chemo)radiotherapy for head and neck cancer. Acta Oncologica, 2015, 54, 1483-1489.	0.8	10
16	Is integrated transit planar portal dosimetry able to detect geometric changes in lung cancer patients treated with volumetric modulated arc therapy?. Acta Oncologica, 2015, 54, 1501-1507.	0.8	16
17	High dose rate and flattening filter free irradiation can be safely implemented in clinical practice. International Journal of Radiation Biology, 2015, 91, 778-785.	1.0	12
18	A novel time dependent gamma evaluation function for dynamic 2D and 3D dose distributions. Physics in Medicine and Biology, 2014, 59, 5973-5985.	1.6	16

#	ARTICLE	IF	CITATIONS
19	Time dependent pre-treatment EPID dosimetry for standard and FFF VMAT. Physics in Medicine and Biology, 2014, 59, 4749-4768.	1.6	46
20	A combined dose calculation and verification method for a small animal precision irradiator based on onboard imaging. Medical Physics, 2012, 39, 4155-4166.	1.6	40
21	Evaluation of a novel triple-channel radiochromic film analysis procedure using EBT2. Physics in Medicine and Biology, 2012, 57, 4353-4368.	1.6	55
22	Measured vs simulated portal images for low MU fields on three accelerator types: Possible consequences for 2D portal dosimetry. Medical Physics, 2012, 39, 7470-7479.	1.6	23
23	A fast three-dimensional gamma evaluation using a GPU utilizing texture memory for on-the-fly interpolations. Medical Physics, 2011, 38, 4032-4035.	1.6	34