

Saad Aldelaijan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

435
citations

1039880

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713332

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docs citations

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times ranked

454
citing authors

#	ARTICLE	IF	CITATIONS
1	Positional and angular tracking of HDR 192 Ir source for brachytherapy quality assurance using radiochromic film dosimetry. <i>Medical Physics</i> , 2020, 47, 6122-6139.	1.6	4
2	Calibration of MTT assay in proton beams using radiochromic films. <i>Physica Medica</i> , 2020, 77, 146-153.	0.4	1
3	Towards customizable thin-panel low-Z detector arrays: electrode design for increased spatial resolution ion chamber arrays. <i>Physics in Medicine and Biology</i> , 2020, 65, 08NT02.	1.6	3
4	Dose response linearization in radiochromic film dosimetry based on multichannel normalized pixel value with an integrated spectral correction for scanner response variations. <i>Medical Physics</i> , 2019, 46, 5336-5349.	1.6	9
5	Clinical Implementation of Automated Treatment Planning Including 3D Printable Applicators in Complex Skin Brachytherapy. <i>Brachytherapy</i> , 2019, 18, S32.	0.2	0
6	Impact of inertia on possible fundamental drawbacks in radiochromic film dosimetry. <i>Physica Medica</i> , 2019, 66, 133-134.	0.4	4
7	Dose measurements nearby low energy electronic brachytherapy sources using radiochromic film. <i>Physica Medica</i> , 2019, 64, 40-44.	0.4	9
8	Monte Carlo simulations of different CT X-ray energy spectra within CTDI phantom and the influence of its changes on radiochromic film measurements. <i>Physica Medica</i> , 2019, 62, 105-110.	0.4	4
9	Modeling the primary source intensity distribution: reconstruction and inter-comparison of six Varian TrueBeam sources. <i>Physics in Medicine and Biology</i> , 2019, 64, 135005.	1.6	2
10	Physics aspects of the Papillon technique Five decades later. <i>Brachytherapy</i> , 2018, 17, 234-243.	0.2	1
11	Image quality for radiotherapy CT simulators with different scanner bore size. <i>Physica Medica</i> , 2018, 45, 65-71.	0.4	11
12	Technical Note: Response time evolution of XR-QA2 GafChromic film models. <i>Medical Physics</i> , 2018, 45, 488-492.	1.6	5
13	Comparison of dose response functions for EBT3 model GafChromic film dosimetry system. <i>Physica Medica</i> , 2018, 49, 112-118.	0.4	26
14	Improving Dose Accuracy of HDR Brachytherapy Treatment of Skin Lesions Using Freiburg Flap Applicator Based on Reference Radiochromic Film Dose Measurements. <i>Brachytherapy</i> , 2017, 16, S99.	0.2	0
15	Commissioning of applicator-guided stereotactic body radiation therapy boost with high-dose-rate brachytherapy for advanced cervical cancer using radiochromic film dosimetry. <i>Brachytherapy</i> , 2017, 16, 893-902.	0.2	3
16	Dose comparison between TG-43 based calculations and radiochromic film measurements of the Freiburg flap applicator used for high-dose-rate brachytherapy treatments of skin lesions. <i>Brachytherapy</i> , 2017, 16, 1065-1072.	0.2	10
17	FDG-PET-based differential uptake volume histograms: a possible approach towards definition of biological target volumes. <i>British Journal of Radiology</i> , 2016, 89, 20150388.	1.0	4
18	Use of a control film piece in radiochromic film dosimetry. <i>Physica Medica</i> , 2016, 32, 202-207.	0.4	25

#	ARTICLE	IF	CITATIONS
19	Radiochromic film based quality assurance for CT-based high-dose-rate brachytherapy. Brachytherapy, 2015, 14, 578-585.	0.2	9
20	Characterization of calibration curves and energy dependence GafChromic TM XR-QA2 model based radiochromic film dosimetry system. Medical Physics, 2014, 41, 062105.	1.6	42
21	Radiochromic film based dosimetry of image guidance procedures on different radiotherapy modalities. Journal of Applied Clinical Medical Physics, 2014, 15, 229-239.	0.8	30
22	Linearization of dose response curve of the radiochromic film dosimetry system. Medical Physics, 2012, 39, 4850-4857.	1.6	64
23	Radiochromic film dosimetry of HDR ¹⁹² Ir source radiation fields. Medical Physics, 2011, 38, 6074-6083.	1.6	46
24	Evaluation of EBT-2 model GAFCHROMIC [®] film performance in water. Medical Physics, 2010, 37, 3687-3693.	1.6	31
25	Absorption spectra time evolution of EBT [®] 2 model GAFCHROMIC [®] film. Medical Physics, 2010, 37, 2207-2214.	1.6	92