

Jacqueline M Andreozzi

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

390
citations

840585

11
h-index

940416

16
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18
docs citations

18
times ranked

257
citing authors

#	ARTICLE	IF	CITATIONS
1	Cherenkov radiation fluence estimates in tissue for molecular imaging and therapy applications. <i>Physics in Medicine and Biology</i> , 2015, 60, 6701-6718.	1.6	70
2	Cherenkov based patient positioning validation and movement tracking during post-lumpectomy whole breast radiation therapy. <i>Physics in Medicine and Biology</i> , 2015, 60, L1-L14.	1.6	45
3	Cherenkov imaging method for rapid optimization of clinical treatment geometry in total skin electron beam therapy. <i>Medical Physics</i> , 2016, 43, 993-1002.	1.6	42
4	Video-rate optical dosimetry and dynamic visualization of IMRT and VMAT treatment plans in water using Cherenkov radiation. <i>Medical Physics</i> , 2014, 41, 062102.	1.6	39
5	Camera selection for real-time <i>in vivo</i> radiation treatment verification systems using Cherenkov imaging. <i>Medical Physics</i> , 2015, 42, 994-1004.	1.6	36
6	Beam and tissue factors affecting Cherenkov image intensity for quantitative entrance and exit dosimetry on human tissue. <i>Journal of Biophotonics</i> , 2017, 10, 645-656.	1.1	29
7	Optical cone beam tomography of Cherenkov-mediated signals for fast 3D dosimetry of x-ray photon beams in water. <i>Medical Physics</i> , 2015, 42, 4127-4136.	1.6	24
8	Remote Cherenkov imaging-based quality assurance of a magnetic resonance image-guided radiotherapy system. <i>Medical Physics</i> , 2018, 45, 2647-2659.	1.6	20
9	Time-gated scintillator imaging for real-time optical surface dosimetry in total skin electron therapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 095009.	1.6	17
10	Rapid Multisite Remote Surface Dosimetry for Total Skin Electron Therapy: Scintillator Target Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 767-774.	0.4	17
11	Cherenkov-excited luminescence scanned imaging using scanned beam differencing and iterative deconvolution in dynamic plan radiation delivery in a human breast phantom geometry. <i>Medical Physics</i> , 2019, 46, 3067-3077.	1.6	12
12	Improving treatment geometries in total skin electron therapy: Experimental investigation of linac angles and floor scatter dose contributions using Cherenkov imaging. <i>Medical Physics</i> , 2018, 45, 2639-2646.	1.6	11
13	Algorithm development for intrafraction radiotherapy beam edge verification from Cherenkov imaging. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	9
14	Optical imaging method to quantify spatial dose variation due to the electron return effect in an MR-linac. <i>Medical Physics</i> , 2020, 47, 1258-1267.	1.6	6
15	Visual Isocenter Position Enhanced Review (VIPER): a Cherenkov imaging-based solution for MR-linac daily QA. <i>Medical Physics</i> , 2021, 48, 2750-2759.	1.6	6
16	Cherenkov imaging for Total Skin Electron Therapy (TSET)., 2018, , .		5
17	Optical emission-based phantom to verify coincidence of radiotherapy and imaging isocenters on an MR-linac. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 252-261.	0.8	2
18	Single photon detection imaging of Cherenkov light emitted during radiation therapy. , 2018, , .		0