

Joerg Rottmann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10438275/publications.pdf>

Version: 2024-02-01

20
papers

338
citations

840119

11
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

395
citing authors

#	ARTICLE	IF	CITATIONS
1	AGuIX nanoparticles as a promising platform for image-guided radiation therapy. <i>Cancer Nanotechnology</i> , 2015, 6, 4.	1.9	63
2	A novel EPID design for enhanced contrast and detective quantum efficiency. <i>Physics in Medicine and Biology</i> , 2016, 61, 6297-6306.	1.6	38
3	Real-time soft tissue motion estimation for lung tumors during radiotherapy delivery. <i>Medical Physics</i> , 2013, 40, 091713.	1.6	29
4	An initial study on the estimation of time-varying volumetric treatment images and 3D tumor localization from single MV cine EPID images. <i>Medical Physics</i> , 2014, 41, 081713.	1.6	23
5	Registration of clinical volumes to beams-eye-view images for real-time tracking. <i>Medical Physics</i> , 2014, 41, 121703.	1.6	22
6	A novel multilayer MV imager computational model for component optimization. <i>Medical Physics</i> , 2017, 44, 4213-4222.	1.6	22
7	<i>Cine</i> EPID evaluation of two non-commercial techniques for DIBH. <i>Medical Physics</i> , 2014, 41, 021730.	1.6	18
8	Using an external surrogate for predictor model training in real-time motion management of lung tumors. <i>Medical Physics</i> , 2014, 41, 121706.	1.6	15
9	3-D fiducial motion tracking using limited MV projections in arc therapy. <i>Medical Physics</i> , 2011, 38, 3222-3231.	1.6	13
10	A Monte Carlo study of the impact of phosphor optical properties on EPID imaging performance. <i>Physics in Medicine and Biology</i> , 2018, 63, 165013.	1.6	13
11	The impact of cine EPID image acquisition frame rate on markerless soft-tissue tracking. <i>Medical Physics</i> , 2014, 41, 061702.	1.6	12
12	Spectral imaging using clinical megavoltage beams and a novel multi-layer imager. <i>Physics in Medicine and Biology</i> , 2017, 62, 9127-9139.	1.6	10
13	A novel method for quantification of beam's-eye-view tumor tracking performance. <i>Medical Physics</i> , 2017, 44, 5650-5659.	1.6	10
14	Physics considerations in MV-CBCT multi-layer imager design. <i>Physics in Medicine and Biology</i> , 2018, 63, 125016.	1.6	10
15	Beam's-eye-view imaging during non-coplanar lung SBRT. <i>Medical Physics</i> , 2015, 42, 6776-6783.	1.6	9
16	Characterizing a novel scintillating glass for application to megavoltage cone-beam computed tomography. <i>Medical Physics</i> , 2019, 46, 1323-1330.	1.6	9
17	Technical Note: Combination of multiple EPID imager layers improves image quality and tracking performance of low contrast-noise objects. <i>Medical Physics</i> , 2017, 44, 4847-4853.	1.6	8
18	Leveraging multi-layer imager detector design to improve low-dose performance for megavoltage cone-beam computed tomography. <i>Physics in Medicine and Biology</i> , 2018, 63, 035022.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Super-resolution imaging in a multiple layer EPID. Biomedical Physics and Engineering Express, 2017, 3, 025004.	0.6	6
20	Real-time tumor tracking. Imaging in Medical Diagnosis and Therapy, 2017, , 163-181.	0.0	0