

# Joerg Rottmann

## List of Publications by Year in descending order

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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	Characterizing a novel scintillating glass for application to megavoltage cone-beam computed tomography. <i>Medical Physics</i> , 2019, 46, 1323-1330.	1.6	9
2	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
3	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
4	Physics considerations in MV-CBCT multi-layer imager design. <i>Physics in Medicine and Biology</i> , 2018, 63, 125016.	1.6	10
5	Super-resolution imaging in a multiple layer EPID. <i>Biomedical Physics and Engineering Express</i> , 2017, 3, 025004.	0.6	6
6	A novel multilayer <sc>MV</sc> imager computational model for component optimization. <i>Medical Physics</i> , 2017, 44, 4213-4222.	1.6	22
7	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
8	A novel method for quantification of beam's-eye-view tumor tracking performance. <i>Medical Physics</i> , 2017, 44, 5650-5659.	1.6	10
9	Technical Note: Combination of multiple <sc>EPID</sc> imager layers improves image quality and tracking performance of low contrast-noise objects. <i>Medical Physics</i> , 2017, 44, 4847-4853.	1.6	8
10	Real-time tumor tracking. <i>Imaging in Medical Diagnosis and Therapy</i> , 2017, , 163-181.	0.0	0
11	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
12	Beam's-eye-view imaging during non-coplanar lung SBRT. <i>Medical Physics</i> , 2015, 42, 6776-6783.	1.6	9
13	AGuIX nanoparticles as a promising platform for image-guided radiation therapy. <i>Cancer Nanotechnology</i> , 2015, 6, 4.	1.9	63
14	<i>Cine</i> EPID evaluation of two non-commercial techniques for DIBH. <i>Medical Physics</i> , 2014, 41, 021730.	1.6	18
15	The impact of cine EPID image acquisition frame rate on markerless soft-tissue tracking. <i>Medical Physics</i> , 2014, 41, 061702.	1.6	12
16	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
17	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
18	Registration of clinical volumes to beam's-eye-view images for real-time tracking. <i>Medical Physics</i> , 2014, 41, 121703.	1.6	22

#	ARTICLE	IF	CITATIONS
19	Real-time soft tissue motion estimation for lung tumors during radiotherapy delivery. Medical Physics, 2013, 40, 091713.	1.6	29
20	3-D fiducial motion tracking using limited MV projections in arc therapy. Medical Physics, 2011, 38, 3222-3231.	1.6	13