

# Ben J Mijnheer

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,392  
citations

623188

14  
h-index

794141

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction of systematic dosimetric uncertainties in volumetric modulated arc therapy triggered by patient-specific quality assurance. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 21, 6-10.	1.2	3
2	Extending in aqua portal dosimetry with dose inhomogeneity conversion maps for accurate patient dose reconstruction in external beam radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 22, 20-27.	1.2	3
3	Portal dosimetry of small unflattened beams. <i>Physics in Medicine and Biology</i> , 2021, 66, 11NT01.	1.6	3
4	Automatic dosimetric verification of online adapted plans on the Unity MR-Linac using 3D EPID dosimetry. <i>Radiotherapy and Oncology</i> , 2021, 157, 241-246.	0.3	11
5	The effect of the choice of patient model on the performance of <i>in vivo</i> 3D EPID dosimetry to detect variations in patient position and anatomy. <i>Medical Physics</i> , 2020, 47, 171-180.	1.6	17
6	In vivo dosimetry in external beam photon radiotherapy: Requirements and future directions for research, development, and clinical practice. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 108-116.	1.2	49
7	Future directions of in vivo dosimetry for external beam radiotherapy and brachytherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 18-19.	1.2	9
8	Site-specific alert criteria to detect patient-related errors with 3D EPID transit dosimetry. <i>Medical Physics</i> , 2019, 46, 45-55.	1.6	27
9	Virtual patient 3D dose reconstruction using in air EPID measurements and a back-projection algorithm for IMRT and VMAT treatments. <i>Physica Medica</i> , 2017, 37, 49-57.	0.4	33
10	EPID-based in vivo transit dosimetry. <i>Imaging in Medical Diagnosis and Therapy</i> , 2017, , 195-210.	0.0	0
11	Online 3D EPID-based dose verification: Proof of concept. <i>Medical Physics</i> , 2016, 43, 3969-3974.	1.6	49
12	Overview of 3-year experience with large-scale electronic portal imaging device-based 3-dimensional transit dosimetry. <i>Practical Radiation Oncology</i> , 2015, 5, e679-e687.	1.1	61
13	In vivo portal dosimetry for head-and-neck VMAT and lung IMRT: Linking $\hat{V}_3$ -analysis with differences in dose-volume histograms of the PTV. <i>Radiotherapy and Oncology</i> , 2014, 112, 396-401.	0.3	23
14	<i>In vivo</i> dosimetry in external beam radiotherapy. <i>Medical Physics</i> , 2013, 40, 070903.	1.6	245
15	Simplifying EPID dosimetry for IMRT treatment verification. <i>Medical Physics</i> , 2011, 38, 983-992.	1.6	31
16	<i>In aqua vivo</i> EPID dosimetry. <i>Medical Physics</i> , 2011, 39, 367-377.	1.6	63
17	3D Dosimetric verification of volumetric-modulated arc therapy by portal dosimetry. <i>Radiotherapy and Oncology</i> , 2010, 94, 181-187.	0.3	156
18	A simple backprojection algorithm for 3D <i>in vivo</i> EPID dosimetry of IMRT treatments. <i>Medical Physics</i> , 2009, 36, 3310-3321.	1.6	134

#	ARTICLE	IF	CITATIONS
19	A literature review of electronic portal imaging for radiotherapy dosimetry. <i>Radiotherapy and Oncology</i> , 2008, 88, 289-309.	0.3	384
20	Routine individualised patient dosimetry using electronic portal imaging devices. <i>Radiotherapy and Oncology</i> , 2007, 83, 65-75.	0.3	91