

# 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	A literature review of electronic portal imaging for radiotherapy dosimetry. <i>Radiotherapy and Oncology</i> , 2008, 88, 289-309.	0.3	384
2	<i>In vivo</i> dosimetry in external beam radiotherapy. <i>Medical Physics</i> , 2013, 40, 070903.	1.6	245
3	3D Dosimetric verification of volumetric-modulated arc therapy by portal dosimetry. <i>Radiotherapy and Oncology</i> , 2010, 94, 181-187.	0.3	156
4	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
5	Routine individualised patient dosimetry using electronic portal imaging devices. <i>Radiotherapy and Oncology</i> , 2007, 83, 65-75.	0.3	91
6	<i>In aqua vivo</i> EPID dosimetry. <i>Medical Physics</i> , 2011, 39, 367-377.	1.6	63
7	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
8	Online 3D EPID-based dose verification: Proof of concept. <i>Medical Physics</i> , 2016, 43, 3969-3974.	1.6	49
9	<i>In vivo</i> 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
10	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
11	Simplifying EPID dosimetry for IMRT treatment verification. <i>Medical Physics</i> , 2011, 38, 983-992.	1.6	31
12	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
13	<i>In vivo</i> 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	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
15	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
16	Future directions of <i>in vivo</i> dosimetry for external beam radiotherapy and brachytherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 18-19.	1.2	9
17	Portal dosimetry of small unflattened beams. <i>Physics in Medicine and Biology</i> , 2021, 66, 11NT01.	1.6	3
18	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

#	ARTICLE	IF	CITATIONS
19	Extending in aqua portal dosimetry with dose inhomogeneity conversion maps for accurate patient dose reconstruction in external beam radiotherapy. Physics and Imaging in Radiation Oncology, 2022, 22, 20-27.	1.2	3
20	EPID-based in vivo transit dosimetry. Imaging in Medical Diagnosis and Therapy, 2017, , 195-210.	0.0	0