

# Anton Mans

## List of Publications by Year in descending order

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26  
papers

976  
citations

567281

15  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

677  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Dosimetric verification of volumetric-modulated arc therapy by portal dosimetry. <i>Radiotherapy and Oncology</i> , 2010, 94, 181-187.	0.6	156
2	Volumetric-Modulated Arc Therapy for Stereotactic Body Radiotherapy of Lung Tumors: A Comparison With Intensity-Modulated Radiotherapy Techniques. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, 1560-1567.	0.8	144
3	A simple backprojection algorithm for 3D <i>in vivo</i> EPID dosimetry of IMRT treatments. <i>Medical Physics</i> , 2009, 36, 3310-3321.	3.0	134
4	3D <i>in vivo</i> dose verification of entire hypo-fractionated IMRT treatments using an EPID and cone-beam CT. <i>Radiotherapy and Oncology</i> , 2008, 86, 35-42.	0.6	70
5	<i>In aqua vivo</i> EPID dosimetry. <i>Medical Physics</i> , 2011, 39, 367-377.	3.0	63
6	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.	2.1	61
7	Online 3D EPID-based dose verification: Proof of concept. <i>Medical Physics</i> , 2016, 43, 3969-3974.	3.0	49
8	The NCS code of practice for the quality assurance and control for volumetric modulated arc therapy. <i>Physics in Medicine and Biology</i> , 2016, 61, 7221-7235.	3.0	33
9	Virtual patient 3D dose reconstruction using <i>in air</i> EPID measurements and a back-projection algorithm for IMRT and VMAT treatments. <i>Physica Medica</i> , 2017, 37, 49-57.	0.7	33
10	Simplifying EPID dosimetry for IMRT treatment verification. <i>Medical Physics</i> , 2011, 38, 983-992.	3.0	31
11	Impact of daily anatomical changes on EPID-based <i>in vivo</i> dosimetry of VMAT treatments of head-and-neck cancer. <i>Radiotherapy and Oncology</i> , 2015, 116, 70-74.	0.6	31
12	Site-specific alert criteria to detect patient-related errors with 3D EPID transit dosimetry. <i>Medical Physics</i> , 2019, 46, 45-55.	3.0	27
13	Transit and non-transit 3D EPID dosimetry versus detector arrays for patient specific QA. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 79-90.	1.9	26
14	<i>In vivo</i> portal dosimetry for head-and-neck VMAT and lung IMRT: Linking $\hat{\Gamma}_3$ -analysis with differences in dose-volume histograms of the PTV. <i>Radiotherapy and Oncology</i> , 2014, 112, 396-401.	0.6	23
15	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.	3.0	17
16	Comparison of gamma- and DVH-based <i>in vivo</i> dosimetric plan evaluation for pelvic VMAT treatments. <i>Radiotherapy and Oncology</i> , 2017, 125, 405-410.	0.6	13
17	Two-dimensional EPID dosimetry for an MR-Linac: Proof of concept. <i>Medical Physics</i> , 2019, 46, 4193-4203.	3.0	12
18	A Deep Learning-based correction to EPID dosimetry for attenuation and scatter in the Unity MR-Linac system. <i>Physica Medica</i> , 2020, 71, 124-131.	0.7	11

#	ARTICLE	IF	CITATIONS
19	Automatic dosimetric verification of online adapted plans on the Unity MR-Linac using 3D EPID dosimetry. Radiotherapy and Oncology, 2021, 157, 241-246.	0.6	11
20	2D AND 3D dose verification at The Netherlands Cancer Instituteâ€™Antoni van Leeuwenhoek Hospital using EPIDs. Journal of Physics: Conference Series, 2010, 250, 012020.	0.4	8
21	3D dosimetric verification of unity MR-linac treatments by portal dosimetry. Radiotherapy and Oncology, 2020, 146, 161-166.	0.6	8
22	Implementation of state-of-the-art (chemo)radiation for advanced cervix cancer in the Netherlands: A quality improvement program. Technical Innovations and Patient Support in Radiation Oncology, 2019, 9, 1-7.	1.9	4
23	Portal dosimetry of small unflattened beams. Physics in Medicine and Biology, 2021, 66, 11NT01.	3.0	3
24	Reduction of systematic dosimetric uncertainties in volumetric modulated arc therapy triggered by patient-specific quality assurance. Physics and Imaging in Radiation Oncology, 2022, 21, 6-10.	2.9	3
25	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.	2.9	3
26	Portal dosimetry in wedged beams. Journal of Applied Clinical Medical Physics, 2015, 16, 244-257.	1.9	2