Jacco A De Pooter

List of Publications by Year in Descending Order

25 papers	605 citations	10 h-index	24 g-index
39 ext. papers	719 ext. citations	2.2 avg, IF	3.14 L-index

#	Paper	IF	Citations
25	Reference dosimetry in MRI-linacs: evaluation of available protocols and data to establish a Code of Practice. *Physics in Medicine and Biology*, **2021**, 66, 05TR02	3.8	6
24	Direct measurement of ion chamber correction factors, k and k , in a 7 MV MRI-linac. *Physics in Medicine and Biology*, **2019**, 64, 105025	3.8	15
23	Commissioning of a water calorimeter as a primary standard for absorbed dose to water in magnetic fields. *Physics in Medicine and Biology*, **2019**, 64, 035013	3.8	10
22	Comparison of k factors measured with a water calorimeter in flattening filter free (FFF) and conventional flattening filter (cFF) photon beams. *Physics in Medicine and Biology*, **2018**, 63, 045023	3.8	8
21	An on-site dosimetry audit for high-energy electron beams. *Physics and Imaging in Radiation Oncology*, **2018**, 5, 44-51	3.1	4
20	Alpha radiation dosimetry using Fluorescent Nuclear Track Detectors. *Radiation Measurements*, **2018**, 113, 25-32	1.5	5
19	Auditing local methods for quality assurance in radiotherapy using the same set of predefined treatment plans. *Physics and Imaging in Radiation Oncology*, **2018**, 5, 19-25	3.1	6
18	First international comparison of primary absorbed dose to water standards in the medium-energy X-ray range. *Metrologia*, **2016**, 53, 06007-06007	2.1	7
17	A water calorimeter for on-site absorbed dose to water calibrations in (60)Co and MV-photon beams including MRI incorporated treatment equipment. *Physics in Medicine and Biology*, **2016**, 61, 5051-76	3.8	15
16	Reference dosimetry in the presence of magnetic fields: conditions to validate Monte Carlo simulations. *Physics in Medicine and Biology*, **2015**, 60, 6639-54	3.8	15
15	PO-64 rotation dependency of radiochromic films. *Physica Medica*, **2015**, 31, e51	2.7	
14	Application of an adapted Fano cavity test for Monte Carlo simulations in the presence of B-fields. *Physics in Medicine and Biology*, **2015**, 60, 9313-27	3.8	11
13	Metrology for MRI Safety **2015**,		1
12	WE-G-17A-06: A Water Calorimeter for Use in MRI Linacs. *Medical Physics*, **2014**, 41, 525-525	4.4	
11	Experimental determination of the dose rate constant for selected125I- and192Ir-brachytherapy sources. *Metrologia*, **2012**, 49, S219-S222	2.1	8
10	Simultaneous tumour dose escalation and liver sparing in Stereotactic Body Radiation Therapy (SBRT) for liver tumours due to CTV-to-PTV margin reduction. *Radiotherapy and Oncology*, **2008**, 87, 432-8	5.3	24
9	Automated non-coplanar beam direction optimization improves IMRT in SBRT of liver metastasis. *Radiotherapy and Oncology*, **2008**, 88, 376-81	5.3	28

8	The new NMi orthovolt x-rays absorbed dose to water primary standard based on water calorimetry. *Physics in Medicine and Biology*, **2008**, 53, 3531-42	3.8	17
7	PTV dose prescription strategies for SBRT of metastatic liver tumours. *Radiotherapy and Oncology*, **2007**, 85, 260-6	5.3	19
6	Stereotactic body radiation therapy for primary and metastatic liver tumors: A single institution phase i-ii study. *Acta Oncologica*, **2006**, 45, 831-7	3.2	377
5	Computer optimization of noncoplanar beam setups improves stereotactic treatment of liver tumors. *International Journal of Radiation Oncology Biology Physics*, **2006**, 66, 913-22	4	25
4	Stereotactic arc therapy for small elongated tumors using cones and collimator jaws; dosimetric and planning aspects. *Medical Physics*, **2004**, 31, 3444-51	4.4	
3	P-41 Fresnel Diffraction Phenomena in Frontlights for Reflective LCDs. *Digest of Technical Papers SID International Symposium*, **2002**, 33, 350	0.5	
2	Fresnel diffraction effects in the frontlight for a liquid-crystal display. *Applied Optics*, **2002**, 41, 5230-7	1.7	1
1	NCS Report 28: National Audit of Quality Assurance for Intensity Modulated Radiotherapy and Volumetric Modulated Arc Therapy		2