

Jacco A De Pooter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Stereotactic body radiation therapy for primary and metastatic liver tumors: A single institution phase i-ii study. <i>Acta Oncologica</i> , 2006 , 45, 831-7	3.2	377
24	Automated non-coplanar beam direction optimization improves IMRT in SBRT of liver metastasis. <i>Radiotherapy and Oncology</i> , 2008 , 88, 376-81	5.3	28
23	Computer optimization of noncoplanar beam setups improves stereotactic treatment of liver tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 66, 913-22	4	25
22	Simultaneous tumour dose escalation and liver sparing in Stereotactic Body Radiation Therapy (SBRT) for liver tumours due to CTV-to-PTV margin reduction. <i>Radiotherapy and Oncology</i> , 2008 , 87, 432-8	5.3	24
21	PTV dose prescription strategies for SBRT of metastatic liver tumours. <i>Radiotherapy and Oncology</i> , 2007 , 85, 260-6	5.3	19
20	The new NMI orthovolt x-rays absorbed dose to water primary standard based on water calorimetry. <i>Physics in Medicine and Biology</i> , 2008 , 53, 3531-42	3.8	17
19	Direct measurement of ion chamber correction factors, k and k_{p} , in a 7 MV MRI-linac. <i>Physics in Medicine and Biology</i> , 2019 , 64, 105025	3.8	15
18	Reference dosimetry in the presence of magnetic fields: conditions to validate Monte Carlo simulations. <i>Physics in Medicine and Biology</i> , 2015 , 60, 6639-54	3.8	15
17	A water calorimeter for on-site absorbed dose to water calibrations in $(60)\text{Co}$ and MV-photon beams including MRI incorporated treatment equipment. <i>Physics in Medicine and Biology</i> , 2016 , 61, 5051-7	3.8	15
16	Application of an adapted Fano cavity test for Monte Carlo simulations in the presence of B-fields. <i>Physics in Medicine and Biology</i> , 2015 , 60, 9313-27	3.8	11
15	Commissioning of a water calorimeter as a primary standard for absorbed dose to water in magnetic fields. <i>Physics in Medicine and Biology</i> , 2019 , 64, 035013	3.8	10
14	Comparison of k factors measured with a water calorimeter in flattening filter free (FFF) and conventional flattening filter (cFF) photon beams. <i>Physics in Medicine and Biology</i> , 2018 , 63, 045023	3.8	8
13	Experimental determination of the dose rate constant for selected ^{125}I - and ^{192}Ir -brachytherapy sources. <i>Metrologia</i> , 2012 , 49, S219-S222	2.1	8
12	First international comparison of primary absorbed dose to water standards in the medium-energy X-ray range. <i>Metrologia</i> , 2016 , 53, 06007-06007	2.1	7
11	Auditing local methods for quality assurance in radiotherapy using the same set of predefined treatment plans. <i>Physics and Imaging in Radiation Oncology</i> , 2018 , 5, 19-25	3.1	6
10	Reference dosimetry in MRI-linacs: evaluation of available protocols and data to establish a Code of Practice. <i>Physics in Medicine and Biology</i> , 2021 , 66, 05TR02	3.8	6
9	Alpha radiation dosimetry using Fluorescent Nuclear Track Detectors. <i>Radiation Measurements</i> , 2018 , 113, 25-32	1.5	5

8	An on-site dosimetry audit for high-energy electron beams. <i>Physics and Imaging in Radiation Oncology</i> , 2018 , 5, 44-51	3.1	4
7	NCS Report 28: National Audit of Quality Assurance for Intensity Modulated Radiotherapy and Volumetric Modulated Arc Therapy		2
6	Fresnel diffraction effects in the frontlight for a liquid-crystal display. <i>Applied Optics</i> , 2002 , 41, 5230-7	1.7	1
5	Metrology for MRI Safety 2015 ,		1
4	PO-64 rotation dependency of radiochromic films. <i>Physica Medica</i> , 2015 , 31, e51	2.7	
3	Stereotactic arc therapy for small elongated tumors using cones and collimator jaws; dosimetric and planning aspects. <i>Medical Physics</i> , 2004 , 31, 3444-51	4.4	
2	P-41 Fresnel Diffraction Phenomena in Frontlights for Reflective LCDs. <i>Digest of Technical Papers SID International Symposium</i> , 2002 , 33, 350	0.5	
1	WE-G-17A-06: A Water Calorimeter for Use in MRI Linacs. <i>Medical Physics</i> , 2014 , 41, 525-525	4.4	