

Henk Huizenga

List of Publications by Year in Descending Order

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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.

47
papers

1,926
citations

23
h-index

43
g-index

48
ext. papers

2,072
ext. citations

2.4
avg, IF

4.05
L-index

#	Paper	IF	Citations
47	How flatbed scanners upset accurate film dosimetry. <i>Physics in Medicine and Biology</i> , 2016 , 61, 625-49	3.8	37
46	eNAL++: a new and effective off-line correction protocol for rotational setup errors when using a robotic couch. <i>Journal of Applied Clinical Medical Physics</i> , 2015 , 16, 177-185	2.3	4
45	Camera-based independent couch height verification in radiation oncology. <i>Journal of Applied Clinical Medical Physics</i> , 2015 , 16, 442-446	2.3	
44	Employing the therapeutic operating characteristic (TOC) graph for individualised dose prescription. <i>Radiation Oncology</i> , 2013 , 8, 55	4.2	7
43	Individualized dose prescription for hypofractionation in advanced non-small-cell lung cancer radiotherapy: an in silico trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 83, 1596-602	4.602	29
42	An anatomically shaped lower body model for CT scanning of cadaver femurs. <i>Physics in Medicine and Biology</i> , 2010 , 55, N57-62	3.8	3
41	A practical approach to assess clinical planning tradeoffs in the design of individualized IMRT treatment plans. <i>Radiotherapy and Oncology</i> , 2010 , 97, 561-6	5.3	7
40	Pathological fracture prediction in patients with metastatic lesions can be improved with quantitative computed tomography based computer models. <i>Bone</i> , 2009 , 45, 777-83	4.7	67
39	Convex reformulation of biologically-based multi-criteria intensity-modulated radiation therapy optimization including fractionation effects. <i>Physics in Medicine and Biology</i> , 2008 , 53, 6345-62	3.8	35
38	Offering a treatment choice in the irradiation of prostate cancer leads to better informed and more active patients, without harm to well-being. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 70, 442-8	4	36
37	Doctors and patients' preferences for participation and treatment in curative prostate cancer radiotherapy. <i>Journal of Clinical Oncology</i> , 2007 , 25, 3096-100	2.2	67
36	Do patients with localized prostate cancer treatment really want more aggressive treatment?. <i>Journal of Clinical Oncology</i> , 2006 , 24, 4581-6	2.2	72
35	The curvature of sensitometric curves for Kodak XV-2 film irradiated with photon and electron beams. <i>Medical Physics</i> , 2006 , 33, 2396-403	4.4	10
34	Derivative-free generation and interpolation of convex Pareto optimal IMRT plans. <i>Physics in Medicine and Biology</i> , 2006 , 51, 6349-69	3.8	44
33	Systematic review of the effect of radiation dose on tumor control and morbidity in the treatment of prostate cancer by 3D-CRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 64, 534-43	4.3	38
32	Do prostate cancer patients want to choose their own radiation treatment?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 66, 1105-11	4	37
31	Guidelines for education and training of medical physicists in radiotherapy. Recommendations from an ESTRO/EFOMP working group. <i>Radiotherapy and Oncology</i> , 2004 , 70, 125-35	5.3	22

30	Clinical validation of the normalized mutual information method for registration of CT and MR images in radiotherapy of brain tumors. <i>Journal of Applied Clinical Medical Physics</i> , 2004 , 5, 66-79	2.3	26
29	Set-up improvement in head and neck radiotherapy using a 3D off-line EPID-based correction protocol and a customised head and neck support. <i>Radiotherapy and Oncology</i> , 2003 , 68, 137-48	5.3	41
28	Scattered radiation from applicators in clinical electron beams. <i>Physics in Medicine and Biology</i> , 2003 , 48, 2493-507	3.8	19
27	Investigation of the added value of high-energy electrons in intensity-modulated radiotherapy: four clinical cases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002 , 52, 236-53	4	18
26	Effectiveness of couch height-based patient set-up and an off-line correction protocol in prostate cancer radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001 , 50, 569-77	4	23
25	A model to determine the initial phase space of a clinical electron beam from measured beam data. <i>Physics in Medicine and Biology</i> , 2001 , 46, 269-86	3.8	29
24	Accuracy of the phase space evolution dose calculation model for clinical 25 MeV electron beams. <i>Physics in Medicine and Biology</i> , 2000 , 45, 2931-45	3.8	4
23	Optimization of multileaf collimator settings for radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2000 , 45, 3615-25	3.8	10
22	Inclusion of geometrical uncertainties in radiotherapy treatment planning by means of coverage probability. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999 , 43, 905-19	4	579
21	On the initial angular variances of clinical electron beams. <i>Physics in Medicine and Biology</i> , 1999 , 44, 2803-20	3.8	9
20	Mixing intensity modulated electron and photon beams: combining a steep dose fall-off at depth with sharp and depth-independent penumbras and flat beam profiles. <i>Physics in Medicine and Biology</i> , 1999 , 44, 2171-81	3.8	17
19	Effect of set-up uncertainties on the dose distribution in the match region of supraclavicular and tangential breast fields. <i>Radiotherapy and Oncology</i> , 1998 , 46, 91-8	5.3	22
18	Sharpening the penumbra of high energy electron beams with low weight narrow photon beams. <i>Radiotherapy and Oncology</i> , 1998 , 48, 213-20	5.3	10
17	Numerical calculation of energy deposition by high-energy electron beams: III-B. Improvements to the 6D phase space evolution model. <i>Physics in Medicine and Biology</i> , 1997 , 42, 1441-9	3.8	17
16	Phase space evolution distribution functions for high energy electron beams. <i>Physics in Medicine and Biology</i> , 1996 , 41, 2079-90	3.8	9
15	A quality control study of the accuracy of patient positioning in irradiation of pelvic fields. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 34, 697-708	4	71
14	Physical characteristics of a commercial electronic portal imaging device. <i>Medical Physics</i> , 1996 , 23, 1845-55	4.5	21
13	Portal dose measurement in radiotherapy using an electronic portal imaging device (EPID). <i>Physics in Medicine and Biology</i> , 1995 , 40, 1943-55	3.8	107

12	Numerical calculation of energy deposition by high-energy electron beams: III. Three-dimensional heterogeneous media. <i>Physics in Medicine and Biology</i> , 1994 , 39, 1351-66	3.8	22
11	In vivo determination of the accuracy of field matching in breast cancer irradiation using an electronic portal imaging device. <i>Radiotherapy and Oncology</i> , 1994 , 33, 157-66	5.3	25
10	Possible leakage radiation during malfunctioning of a Sagittaire accelerator. <i>Radiotherapy and Oncology</i> , 1993 , 29, 39-44	5.3	3
9	Numerical calculation of energy deposition by broad high-energy electron beams: II. Multi-layered geometry. <i>Physics in Medicine and Biology</i> , 1992 , 37, 2103-2116	3.8	22
8	Three-dimensional dose distribution of tangential breast treatment: a national dosimetry intercomparison. <i>Radiotherapy and Oncology</i> , 1991 , 22, 252-60	5.3	29
7	Performance of a prototype fluoroscopic radiotherapy imaging system. <i>International Journal of Radiation Oncology Biology Physics</i> , 1990 , 18, 43-50	4	61
6	Numerical calculation of energy deposition by broad high-energy electron beams. <i>Physics in Medicine and Biology</i> , 1989 , 34, 1371-96	3.8	42
5	Accuracy in radiation field alignment in head and neck cancer: a prospective study. <i>Radiotherapy and Oncology</i> , 1988 , 11, 181-7	5.3	88
4	The in-air scattering of clinical electron beams as produced by accelerators with scanning beams and diaphragm collimators. <i>Physics in Medicine and Biology</i> , 1987 , 32, 1011-29	3.8	32
3	On a numerical approach of the pencil beam model. <i>Physics in Medicine and Biology</i> , 1985 , 30, 467-473	3.8	27
2	Submicron entrance windows for an ultrasoft x-ray camera. <i>Review of Scientific Instruments</i> , 1981 , 52, 673-677	1.7	14
1	A Parallel Grid Imaging Proportional Counter Optimized for Detection of Low Brightness Stellar XUV-Sources. <i>IEEE Transactions on Nuclear Science</i> , 1980 , 27, 176-180	1.7	13