

Nuria Jornet

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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.

29
papers

751
citations

15
h-index

27
g-index

36
ext. papers

974
ext. citations

2.5
avg, IF

3.63
L-index

#	Paper	IF	Citations
29	Comparison of dose calculation algorithms in phantoms with lung equivalent heterogeneities under conditions of lateral electronic disequilibrium. <i>Medical Physics</i> , 2004 , 31, 2899-911	4.4	156
28	3D DVH-based metric analysis versus per-beam planar analysis in IMRT pretreatment verification. <i>Medical Physics</i> , 2012 , 39, 5040-9	4.4	78
27	Characterization of the Exradin W1 scintillator for use in radiotherapy. <i>Medical Physics</i> , 2015 , 42, 297-304	4.4	70
26	Comparison study of MOSFET detectors and diodes for entrance in vivo dosimetry in 18 MV x-ray beams. <i>Medical Physics</i> , 2004 , 31, 2534-42	4.4	64
25	Comparison of dose calculation algorithms in slab phantoms with cortical bone equivalent heterogeneities. <i>Medical Physics</i> , 2007 , 34, 3323-33	4.4	42
24	In vivo dosimetry: intercomparison between p-type based and n-type based diodes for the 16-25 MV energy range. <i>Medical Physics</i> , 2000 , 27, 1287-93	4.4	29
23	Comparison of complexity metrics for multi-institutional evaluations of treatment plans in radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2018 , 5, 37-43	3.1	27
22	Multi-centre audit of VMAT planning and pre-treatment verification. <i>Radiotherapy and Oncology</i> , 2017 , 124, 302-310	5.3	26
21	What is plan quality in radiotherapy? The importance of evaluating dose metrics, complexity, and robustness of treatment plans. <i>Radiotherapy and Oncology</i> , 2020 , 153, 26-33	5.3	26
20	Thermoluminescence dosimetry applied to in vivo dose measurements for total body irradiation techniques. <i>Radiotherapy and Oncology</i> , 1998 , 47, 319-24	5.3	23
19	Monte Carlo simulation of MOSFET detectors for high-energy photon beams using the PENELOPE code. <i>Physics in Medicine and Biology</i> , 2007 , 52, 303-16	3.8	20
18	Midplane dose determination during total body irradiation using in vivo dosimetry. <i>Radiotherapy and Oncology</i> , 1998 , 49, 91-8	5.3	18
17	In vivo 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	3.1	17
16	Calibration of semiconductor detectors for dose assessment in total body irradiation. <i>Radiotherapy and Oncology</i> , 1996 , 38, 247-51	5.3	16
15	Artificial Intelligence in magnetic Resonance guided Radiotherapy: Medical and physical considerations on state of art and future perspectives. <i>Physica Medica</i> , 2021 , 85, 175-191	2.7	16
14	Multicentre validation of IMRT pre-treatment verification: comparison of in-house and external audit. <i>Radiotherapy and Oncology</i> , 2014 , 112, 381-8	5.3	15
13	Pantak Therapax SXT 150: performance assessment and dose determination using IAEA TRS-398 protocol. <i>British Journal of Radiology</i> , 2005 , 78, 721-32	3.4	14

12	Dose evaluation in lung-equivalent media in high-energy photon external radiotherapy. <i>Radiation Protection Dosimetry</i> , 2006 , 120, 43-7	0.9	13
11	Grand challenges for medical physics in radiation oncology. <i>Radiotherapy and Oncology</i> , 2020 , 153, 7-14	5.3	12
10	Novel methodologies for dosimetry audits: Adapting to advanced radiotherapy techniques. <i>Physics and Imaging in Radiation Oncology</i> , 2018 , 5, 76-84	3.1	11
9	Pseudo skin flash on VMAT in breast radiotherapy: Optimization of virtual bolus thickness and HU values. <i>Physica Medica</i> , 2019 , 63, 56-62	2.7	10
8	Radiation dose assessment in a 320-detector-row CT scanner used in cardiac imaging. <i>Medical Physics</i> , 2011 , 38, 1473-80	4.4	7
7	Response to "Comment on 'Characterization of the Exradin W1 scintillator for use in radiotherapy'" [Med. Phys. 42, 297-304 (2015)]. <i>Medical Physics</i> , 2015 , 42, 4417-8	4.4	6
6	Comment on "In vivo diode dosimetry for routine quality assurance in IMRT". <i>Medical Physics</i> , 2004 , 31, 1642-3; author reply 1644	4.4	3
5	Towards an updated ESTRO-EFOMP core curriculum for education and training of medical physics experts in radiotherapy - A survey of current education and training practice in Europe. <i>Physica Medica</i> , 2021 , 84, 65-71	2.7	3
4	National societies' needs as assessed by the ESTRO National Societies Committee survey: A European perspective. <i>Radiotherapy and Oncology</i> , 2020 , 151, 176-181	5.3	2
3	IAEA methodology for on-site end-to-end IMRT/VMAT audits: an international pilot study. <i>Acta Oncologica</i> , 2020 , 59, 141-148	3.2	1
2	Professional practice changes in radiotherapy physics during the COVID-19 pandemic. <i>Physics and Imaging in Radiation Oncology</i> , 2021 , 19, 25-32	3.1	1
1	In reply to the letter to the editor: "In reply to Fiorino et al: The central role of the radiation oncologist in the multidisciplinary and multiprofessional model of modern radiation therapy". <i>Radiotherapy and Oncology</i> , 2021 , 155, e22-e23	5.3	