

Gustavo Olivera

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.

22
papers

1,616
citations

14
h-index

22
g-index

22
ext. papers

1,773
ext. citations

2.7
avg, IF

3.42
L-index

#	Paper	IF	Citations
22	Fast in vivo volume dose reconstruction via Reference Dose Perturbation. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012016	0.3	
21	An automatic dose verification system for adaptive radiotherapy for helical tomotherapy. <i>Journal of Physics: Conference Series</i> , 2014 , 489, 012075	0.3	
20	3D dose verification using tomotherapy CT detector array. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 82, 1013-20	4	13
19	QA for helical tomotherapy: report of the AAPM Task Group 148. <i>Medical Physics</i> , 2010 , 37, 4817-53	4.4	164
18	Helical tomotherapy-based STAT stereotactic body radiation therapy: Dosimetric evaluation for a real-time SBRT treatment planning and delivery program. <i>Medical Dosimetry</i> , 2010 , 35, 312-9	1.3	9
17	Quality assurance of an image guided intracranial stereotactic positioning system. <i>Technology in Cancer Research and Treatment</i> , 2009 , 8, 39-49	2.7	7
16	Treatment planning to improve delivery accuracy and patient throughput in helical tomotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 74, 1290-7	4	36
15	Dosimetric effect of prostate motion during helical tomotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 74, 1134-42	4	28
14	Efficient gamma index calculation using fast Euclidean distance transform. <i>Physics in Medicine and Biology</i> , 2009 , 54, 2037-47	3.8	25
13	Adaptive fractionation therapy: II. Biological effective dose. <i>Physics in Medicine and Biology</i> , 2008 , 53, 5513-25	3.8	8
12	Adaptive fractionation therapy: I. Basic concept and strategy. <i>Physics in Medicine and Biology</i> , 2008 , 53, 5495-511	3.8	19
11	Correlation between dosimetric effect and intrafraction motion during prostate treatments delivered with helical tomotherapy. <i>Physics in Medicine and Biology</i> , 2008 , 53, 7073-86	3.8	24
10	Image-guided total marrow and total lymphatic irradiation using helical tomotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 1259-67	4	114
9	Feasibility study of helical tomotherapy for total body or total marrow irradiation. <i>Medical Physics</i> , 2005 , 32, 3214-24	4.4	147
8	Dose calibration of nonconventional treatment systems applied to helical tomotherapy. <i>Medical Physics</i> , 2005 , 32, 570-7	4.4	22
7	Radiation characteristics of helical tomotherapy. <i>Medical Physics</i> , 2004 , 31, 396-404	4.4	157
6	Image guidance for precise conformal radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 56, 89-105	4	385

5	Clinical helical tomotherapy commissioning dosimetry. <i>Medical Physics</i> , 2003 , 30, 3097-106	4.4	68
4	Development of a new multielement detector system for megavoltage photons 2002 ,		5
3	Experimental study of six parameter patient registration from helical MV fan-beam data 2000 , 587-588		
2	A simple model for examining issues in radiotherapy optimization. <i>Medical Physics</i> , 1999 , 26, 1212-21	4.4	27
1	Tomotherapy. <i>Seminars in Radiation Oncology</i> , 1999 , 9, 108-17	5.5	358