

# Marco D Andrea

## 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.

32  
papers

455  
citations

13  
h-index

20  
g-index

32  
ext. papers

536  
ext. citations

4.2  
avg, IF

2.82  
L-index

#	Paper	IF	Citations
32	Dosimetric and clinical advantages of deep inspiration breath-hold (DIBH) during radiotherapy of breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2013</b> , 32, 88	12.8	70
31	miR-96-5p targets PTEN expression affecting radio-chemosensitivity of HNSCC cells. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2019</b> , 38, 141	12.8	38
30	The TOP-IMPLART project. <i>European Physical Journal Plus</i> , <b>2011</b> , 126, 1	3.1	36
29	Monte Carlo simulation of electron beams generated by a 12 MeV dedicated mobile IORT accelerator. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 4579-96	3.8	32
28	Gamma camera calibration and validation for quantitative SPECT imaging with (177)Lu. <i>Applied Radiation and Isotopes</i> , <b>2016</b> , 112, 156-64	1.7	27
27	Hypofractionated stereotactic radiotherapy in combination with whole brain radiotherapy for brain metastases. <i>Journal of Neuro-Oncology</i> , <b>2009</b> , 91, 207-12	4.8	27
26	Monte Carlo dose voxel kernel calculations of beta-emitting and Auger-emitting radionuclides for internal dosimetry: A comparison between EGSnrcMP and EGS4. <i>Medical Physics</i> , <b>2006</b> , 33, 3383-9	4.4	25
25	A new model for predicting acute mucosal toxicity in head-and-neck cancer patients undergoing radiotherapy with altered schedules. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 83, e697-702	4	22
24	Patient positioning in the proton radiotherapy era. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2010</b> , 29, 47	12.8	20
23	Experimental determination of calibration settings of a commercially available radionuclide calibrator for various clinical measurement geometries and radionuclides. <i>Applied Radiation and Isotopes</i> , <b>2007</b> , 65, 120-5	1.7	17
22	A heterogeneous dose distribution in simultaneous integrated boost: the role of the clonogenic cell density on the tumor control probability. <i>Physics in Medicine and Biology</i> , <b>2008</b> , 53, 5257-73	3.8	16
21	Radiopharmaceutical therapy of bone metastases with <sup>89</sup> SrCl <sub>2</sub> , <sup>186</sup> Re-HEDP and <sup>153</sup> Sm-EDTMP: a dosimetric study using Monte Carlo simulation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2007</b> , 34, 1031-8	8.8	15
20	Biological optimization of heterogeneous dose distributions in systemic radiotherapy. <i>Medical Physics</i> , <b>2006</b> , 33, 1857-66	4.4	15
19	A modified hypoxia-based TCP model to investigate the clinical outcome of stereotactic hypofractionated regimes for early stage non-small-cell lung cancer (NSCLC). <i>Medical Physics</i> , <b>2012</b> , 39, 4502-14	4.4	13
18	Phantom validation of quantitative Y-90 PET/CT-based dosimetry in liver radioembolization. <i>EJNMMI Research</i> , <b>2017</b> , 7, 94	3.6	11
17	GRAVITATIONAL WAVES EMITTED BY EXTRASOLAR PLANETARY SYSTEMS. <i>International Journal of Modern Physics D</i> , <b>2000</b> , 09, 495-509	2.2	11
16	Development and optimization of a beam shaper device for a mobile dedicated IOERT accelerator. <i>Medical Physics</i> , <b>2012</b> , 39, 6080-9	4.4	10

15	Preliminary studies for a CBCT imaging protocol for offline organ motion analysis: registration software validation and CTDI measurements. <i>Medical Dosimetry</i> , <b>2011</b> , 36, 91-101	1.3	8
14	Quantitative Lu SPECT imaging using advanced correction algorithms in non-reference geometry. <i>Physica Medica</i> , <b>2016</b> , 32, 1745-1752	2.7	8
13	Radiobiological Optimization in Lung Stereotactic Body Radiation Therapy: Are We Ready to Apply Radiobiological Models?. <i>Frontiers in Oncology</i> , <b>2017</b> , 7, 321	5.3	6
12	Characterization of a cable-free system based on p-type MOSFET detectors for "in vivo" entrance skin dose measurements in interventional radiology. <i>Medical Physics</i> , <b>2012</b> , 39, 4866-74	4.4	6
11	Preliminary experience of a predictive model to define rectal volume and rectal dose during the treatment of prostate cancer. <i>British Journal of Radiology</i> , <b>2011</b> , 84, 819-25	3.4	4
10	Predicting genitourinary toxicity in three-dimensional conformal radiotherapy for localized prostate cancer: A dose-volume parameters analysis of the bladder. <i>Journal of Cancer Research and Therapeutics</i> , <b>2016</b> , 12, 1018-24	1.2	4
9	Comparison of methods to determine accurate dose calibrator activity measurements. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2008</b> , 27, 14	12.8	3
8	Modeling Radiotherapy Induced Normal Tissue Complications: An Overview beyond Phenomenological Models. <i>Computational and Mathematical Methods in Medicine</i> , <b>2016</b> , 2016, 2796186	2.8	3
7	Hippocampal sparing approach in fractionated stereotactic brain VMAT radio therapy: A retrospective feasibility analysis. <i>Journal of Applied Clinical Medical Physics</i> , <b>2018</b> , 19, 86-93	2.3	3
6	Is the in vivo dosimetry with the OneDosePlus™ system able to detect intra-fraction motion? A retrospective analysis of in vivo data from breast and prostate patients. <i>Radiation Oncology</i> , <b>2012</b> , 7, 97	4.2	2
5	Twenty years of radiobiology in clinical practice: the Italian contribution. <i>Tumori</i> , <b>2014</b> , 100, 625-35	1.7	2
4	Image-Guided-Radiotherapy Retreatment of Spine Metastasis: A Case Report and Radiobiological Evaluation. <i>Tumori</i> , <b>2010</b> , 96, 776-779	1.7	1
3	Zero field PDD and TMR data for unflattened beams in conventional linacs: A tool for independent dose calculations. <i>Physica Medica</i> , <b>2016</b> , 32, 1621-1627	2.7	
2	AuthorsReply to: Radiobiology as a basic and clinical medical science: what the physicists have forgotten. <i>Tumori</i> , <b>2016</b> , 102, e9	1.7	
1	Construction of a Simple Rectum Model Using Image Guidance in Prostate Patients Treated with 3D Conformal Radiotherapy. <i>Journal of Cancer Therapy</i> , <b>2014</b> , 05, 1039-1048	0.2	