

Jose Antonio Terron Leon

List of Publications by Year in descending order

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49
papers

201
citations

1307594

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1125743

13
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51
all docs

51
docs citations

51
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutron contamination in radiotherapy: Estimation of second cancers based on measurements in 1377 patients. <i>Radiotherapy and Oncology</i> , 2013, 107, 234-241.	0.6	33
2	Neutron spectrometry and determination of neutron ambient dose equivalents in different LINAC radiotherapy rooms. <i>Radiation Measurements</i> , 2010, 45, 1391-1397.	1.4	31
3	Verification of an on line in vivo semiconductor dosimetry system for TBI with two TLD procedures. <i>Radiotherapy and Oncology</i> , 1995, 34, 73-77.	0.6	21
4	A CT-aided PC-based physical treatment planning of TBI: a method for dose calculation. <i>Radiotherapy and Oncology</i> , 1997, 42, 77-85.	0.6	20
5	Analytical model for photon peripheral dose estimation in radiotherapy treatments. <i>Biomedical Physics and Engineering Express</i> , 2015, 1, 045205.	1.2	18
6	Neutron Induced Single Event Upset Dependence on Bias Voltage for CMOS SRAM With BPSG. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 4692-4696.	2.0	11
7	External photon radiation treatment for prostate cancer: Uncomplicated and cancer-free control probability assessment of 36 plans. <i>Physica Medica</i> , 2019, 66, 88-96.	0.7	10
8	Monte Carlo verification of radiotherapy treatments with CloudMC. <i>Radiation Oncology</i> , 2018, 13, 99.	2.7	9
9	Intensity-modulated radiation therapy and volumetric modulated arc therapy versus conventional conformal techniques at high energy: Dose assessment and impact on second primary cancer in the out-of-field region. <i>Reports of Practical Oncology and Radiotherapy</i> , 2018, 23, 251-259.	0.6	7
10	Retinoblastoma: la importancia de su diagnóstico precoz. <i>Archivos De La Sociedad Espanola De Oftalmologia</i> , 2018, 93, 423-430.	0.2	6
11	A Monte Carlo dose calculation system for ophthalmic brachytherapy based on a realistic eye model. <i>Medical Physics</i> , 2021, 48, 4542-4559.	3.0	5
12	EP-1410: TNRD neutron detector signals for different gantry angles in 6 and 15 MV. <i>Radiotherapy and Oncology</i> , 2015, 115, S761.	0.6	3
13	EP-1589: Signal photon component of a new thermal neutron detector TNRD in radiotherapy environments. <i>Radiotherapy and Oncology</i> , 2015, 115, S869-S870.	0.6	3
14	Clinical Outcomes after Surgical Resection Combined with Brachytherapy for Uveal Melanomas. <i>Journal of Clinical Medicine</i> , 2022, 11, 1616.	2.4	3
15	325 poster Radiobiological criteria for prostate IMRT treatment planning selection. <i>Radiotherapy and Oncology</i> , 2003, 68, S113.	0.6	2
16	1499 poster PERIPHERAL GAMMA DOSE AND THERMAL NEUTRON FLUENCIES EVALUATION FOR IMRT ON ADULT, TEEN AND CHILD. <i>Radiotherapy and Oncology</i> , 2011, 99, S558.	0.6	2
17	EP-1404: Photon energy response of TNRD neutron detector in a Co- 60 irradiator and a 6 MV clinac. <i>Radiotherapy and Oncology</i> , 2015, 115, S757-S758.	0.6	2
18	Peripheral neutron dose model verification for real IMRT cases. <i>Physica Medica</i> , 2016, 32, 303.	0.7	2

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19	1497 poster NEUTRON DOSE IN PELVIC RADIOTHERAPY TREATMENT LOCATION.. Radiotherapy and Oncology, 2011, 99, S557-S558.	0.6	1
20	422 poster COMPARISON OF PHOTO-NEUTRON FLUENCE FOR DIFFERENT ENERGIES, MANUFACTURERS AND MODELS OF LINACS.. Radiotherapy and Oncology, 2011, 99, S168.	0.6	1
21	EP-1361 EXPERIMENTAL ESTIMATION OF THE SECOND CANCER RISK DUE TO NEUTRON CONTAMINATION IN RADIOTHERAPY TREATMENTS. Radiotherapy and Oncology, 2012, 103, S516-S517.	0.6	1
22	PO-1008: Validation of a photon peripheral dose model for IMRT treatments. Radiotherapy and Oncology, 2015, 115, S541-S542.	0.6	1
23	PO-0808: Validation of a clinical peripheral photon dose model: prostate IMRT irradiation of Alderson phantom. Radiotherapy and Oncology, 2016, 119, S381-S382.	0.6	1
24	EP-1613: Comparison of peripheral doses associated to SBRT, VMAT, IMRT, FFF and 3D-CRT plans for lung cancer. Radiotherapy and Oncology, 2016, 119, S750-S751.	0.6	1
25	SU-E-T-249: Neutron Model Upgrade for Radiotherapy Patients Monitoring Using a New Online Detector. Medical Physics, 2014, 41, 280-281.	3.0	1
26	SU-E-T-265: Estimation of Neutron Ambient Dose Equivalents for Radioprotection Exposed Workers in Radiotherapy Facilities Based On Characterization Patient Risk Estimation. Medical Physics, 2015, 42, 3417-3417.	3.0	1
27	93 oral Absolute dosimetry in the penumbra of the narrow IMRT beamlet. Radiotherapy and Oncology, 2003, 68, S38.	0.6	0
28	262 poster Influence of the MLC leaf width on the dose distribution: a Monte Carlo study. Radiotherapy and Oncology, 2003, 68, S97.	0.6	0
29	324 Monte Carlo correction factors in non reference conditions: buildup regions of a 6MV photon beam. Radiotherapy and Oncology, 2005, 76, S148.	0.6	0
30	Physics and technology: Basic dosimetry detector. Radiotherapy and Oncology, 2010, 96, S467-S478.	0.6	0
31	1498 poster NEUTRON FLUENCE DISTRIBUTION STUDY IN A PROTON THERAPY FACILITY BUNKER. Radiotherapy and Oncology, 2011, 99, S558.	0.6	0
32	1494 poster COMPARISON OF NEUTRON CONTRIBUTION TO PERIPHERAL DOSES IN PATIENTS UNDER 3D-CRT, IMRT AND RAPIDARC TREATMENTS. Radiotherapy and Oncology, 2011, 99, S556.	0.6	0
33	1104 poster INFLUENCE OF THE PHANTOM COMPOSITION ON PERIPHERAL NEUTRON ORGAN EQUIVALENT DOSE EVALUATION. Radiotherapy and Oncology, 2011, 99, S411-S412.	0.6	0
34	1496 poster NEUTRON CONTAMINATION MEASUREMENTS AT ITHEMBA LABS PROTON THERAPY FACILITY.. Radiotherapy and Oncology, 2011, 99, S557.	0.6	0
35	102 oral PERIPHERAL GAMMA DOSE AND THERMAL NEUTRON FLUENCIES EVALUATION IN DIFFERENT MATERIALS FOR IMRT. Radiotherapy and Oncology, 2011, 99, S38.	0.6	0
36	420 poster THERMAL NEUTRON FLUENCY MEASUREMENT IN A HEAD AND NECK PROTON THERAPY TREATMENT. Radiotherapy and Oncology, 2011, 99, S167-S168.	0.6	0

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37	1428 poster VERIFICATION OF A PROTON THERAPY FACILITY MONTE CARLO SIMULATION BASED ON THE GAMOS/GEANT4 FRAMEWORK. Radiotherapy and Oncology, 2011, 99, S531.	0.6	0
38	EP-1496 INCLUDING SECOND CANCER MALIGNANCIES RISK INTO BIOLOGICAL MODELLING. Radiotherapy and Oncology, 2012, 103, S572-S573.	0.6	0
39	EP-1380 MEASUREMENTS OF PERIPHERAL PHOTON DOSE IN CONFORMAL RADIOTHERAPY. Radiotherapy and Oncology, 2012, 103, S523-S524.	0.6	0
40	EP-1455: Set-up of a new online digital detector for peripheral neutron equivalent dose estimation in radiotherapy patients. Radiotherapy and Oncology, 2014, 111, S143.	0.6	0
41	EP-1798: Online neutron fluence measurements in phantom for second cancer risk estimation in radiotherapy. Radiotherapy and Oncology, 2014, 111, S288-S289.	0.6	0
42	Peripheral dose assessment after IMRT and VMAT vs CFRT. Physica Medica, 2014, 30, e33.	0.7	0
43	EP-1796: Evaluation of peripheral neutron equivalent dose and second cancer risk in radiotherapy patients. Radiotherapy and Oncology, 2014, 111, S288.	0.6	0
44	PO-0868: Neutron peripheral dose estimation: treatment planning system implementation. Radiotherapy and Oncology, 2015, 115, S442-S443.	0.6	0
45	PV-0417: Validation of an analytical peripheral photon dose model for FFF modality. Radiotherapy and Oncology, 2017, 123, S220.	0.6	0
46	SU-E-T-43: Analytical Model for Photon Peripheral Dose in Radiotherapy Treatments. Medical Physics, 2014, 41, 231-231.	3.0	0
47	SU-E-T-611: Photon and Neutron Peripheral Dose Ratio for Low (6 MV) and High (15 MV) Energy for Treatment Selection. Medical Physics, 2015, 42, 3476-3477.	3.0	0
48	SU-E-T-195: Commissioning the Neutron Production of a Varian TrueBeam Linac. Medical Physics, 2015, 42, 3376-3376.	3.0	0
49	Modified Geometry of 106Ru Asymmetric Eye Plaques to Improve Dosimetric Calculations in Ophthalmic Brachytherapy. Journal of Personalized Medicine, 2022, 12, 723.	2.5	0