

Maite Romero-Expósito

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	PERIPHERAL SURFACE DOSE FROM A LINEAR ACCELERATOR: RADIOCHROMIC FILM EXPERIMENTAL MEASUREMENTS OF FLATTENING FILTER FREE VERSUS FLATTENED BEAMS. Radiation Protection Dosimetry, 2020, 188, 285-298.	0.4	2
2	Low dose radiation therapy for COVID-19: Effective dose and estimation of cancer risk. Radiotherapy and Oncology, 2020, 153, 289-295.	0.3	16
3	Calibration of neutron dosimeters for radiation protection use at the ALBA synchrotron experimental hall. Radiation Physics and Chemistry, 2020, 171, 108749.	1.4	2
4	External photon radiation treatment for prostate cancer: Uncomplicated and cancer-free control probability assessment of 36 plans. Physica Medica, 2019, 66, 88-96.	0.4	10
5	Neutron spectrometry of a lightly encapsulated ²⁴¹ Americium-beryllium neutron source using two different Bonner Sphere Spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 371-374.	0.7	8
6	COMPARISON OF RESPONSE OF PASSIVE DOSIMETRY SYSTEMS IN SCANNING PROTON RADIOTHERAPY: A STUDY USING PAEDIATRIC ANTHROPOMORPHIC PHANTOMS. Radiation Protection Dosimetry, 2018, 180, 256-260.	0.4	16
7	CHARACTERIZATION OF THE EPITHERMAL NEUTRON FIELD PRODUCED BY ^{p+7} Li REACTION IN A TANDEM ACCELERATOR USING A BONNER SPHERE SPECTROMETER. Radiation Protection Dosimetry, 2018, 180, 80-84.	0.4	1
8	Dose distribution of secondary radiation in a water phantom for a proton pencil beam: EURADOS WG9 intercomparison exercise. Physics in Medicine and Biology, 2018, 63, 085017.	1.6	28
9	Calibration of a Poly Allyl Diglycol Carbonate (PADC) based track-etched dosimeter in thermal neutron fields. Radiation Measurements, 2018, 119, 204-208.	0.7	2
10	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. Reports of Practical Oncology and Radiotherapy, 2018, 23, 251-259.	0.3	7
11	Uncomplicated and Cancer-Free Control Probability (UCFCP): A new integral approach to treatment plan optimization in photon radiation therapy. Physica Medica, 2017, 42, 277-284.	0.4	12
12	Results of the first user program on the HOMogeneous Thermal NEutron Source HOTNES (ENEA/INFN). Journal of Instrumentation, 2017, 12, P12029-P12029.	0.5	16
13	PO-0808: Validation of a clinical peripheral photon dose model: prostate IMRT irradiation of Alderson phantom. Radiotherapy and Oncology, 2016, 119, S381-S382.	0.3	1
14	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.	0.3	1
15	A comprehensive spectrometry study of a stray neutron radiation field in scanning proton therapy. Physics in Medicine and Biology, 2016, 61, 4127-4140.	1.6	32
16	Commissioning the neutron production of a Linac: Development of a simple tool for second cancer risk estimation. Medical Physics, 2015, 42, 276-281.	1.6	18
17	Experimental evaluation of neutron dose in radiotherapy patients: Which dose?. Medical Physics, 2015, 43, 360-367.	1.6	17
18	Analytical model for photon peripheral dose estimation in radiotherapy treatments. Biomedical Physics and Engineering Express, 2015, 1, 045205.	0.6	18

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19	Measurement of stray radiation within a scanning proton therapy facility: EURADOS WG9 intercomparison exercise of active dosimetry systems. Medical Physics, 2015, 42, 2572-2584.	1.6	56
20	SU-E-T-2365: 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.	1.6	1
21	A comparison of the response of PADC neutron dosimeters in high-energy neutron fields. Radiation Protection Dosimetry, 2014, 161, 78-81.	0.4	6
22	A new online detector for estimation of peripheral neutron equivalent dose in organ. Medical Physics, 2014, 41, 112105.	1.6	18
23	Comparison of passive dosimeters for secondary radiation measurements in scanning proton radiotherapy. Physica Medica, 2014, 30, e65.	0.4	1
24	SU-E-T-249: Neutron Model Upgrade for Radiotherapy Patients Monitoring Using a New Online Detector. Medical Physics, 2014, 41, 280-281.	1.6	1
25	SU-E-T-43: Analytical Model for Photon Peripheral Dose in Radiotherapy Treatments. Medical Physics, 2014, 41, 231-231.	1.6	0
26	WE-D-17A-05: Measurement of Stray Radiation Within An Active Scanning Proton Therapy Facility: EURADOS WG9 Intercomparison Exercise of Active Dosimetry Systems. Medical Physics, 2014, 41, 497-497.	1.6	0
27	Estimation of the response function of a PADC based neutron dosimeter in terms of fluence and Hp(10). Radiation Measurements, 2013, 50, 82-86.	0.7	11
28	Neutron contamination in radiotherapy: Estimation of second cancers based on measurements in 1377 patients. Radiotherapy and Oncology, 2013, 107, 234-241.	0.3	33
29	Estimation of neutron-equivalent dose in organs of patients undergoing radiotherapy by the use of a novel online digital detector. Physics in Medicine and Biology, 2012, 57, 6167-6191.	1.6	52
30	1099 poster HIGH MEGAVOLTAGE RADIOTHERAPY NEUTRON SPECTRA SIMULATION INSIDE AN ANTHROPOMORPHIC PHANTOM. Radiotherapy and Oncology, 2011, 99, S409.	0.3	0
31	1499 poster PERIPHERAL GAMMA DOSE AND THERMAL NEUTRON FLUENCIES EVALUATION FOR IMRT ON ADULT, TEEN AND CHILD. Radiotherapy and Oncology, 2011, 99, S558.	0.3	2
32	1498 poster NEUTRON FLUENCE DISTRIBUTION STUDY IN A PROTON THERAPY FACILITY BUNKER. Radiotherapy and Oncology, 2011, 99, S558.	0.3	0
33	1494 poster COMPARISON OF NEUTRON CONTRIBUTION TO PERIPHERAL DOSES IN PATIENTS UNDER 3D-CRT, IMRT AND RAPIDARC TREATMENTS. Radiotherapy and Oncology, 2011, 99, S556.	0.3	0
34	1104 poster INFLUENCE OF THE PHANTOM COMPOSITION ON PERIPHERAL NEUTRON ORGAN EQUIVALENT DOSE EVALUATION. Radiotherapy and Oncology, 2011, 99, S411-S412.	0.3	0
35	1497 poster NEUTRON DOSE IN PELVIC RADIOTHERAPY TREATMENT LOCATION.. Radiotherapy and Oncology, 2011, 99, S557-S558.	0.3	1
36	1496 poster NEUTRON CONTAMINATION MEASUREMENTS AT Ithemba Labs Protontherapy Facility.. Radiotherapy and Oncology, 2011, 99, S557.	0.3	0

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37	102 oral PERIPHERAL GAMMA DOSE AND THERMAL NEUTRON FLUENCIES EVALUATION IN DIFFERENT MATERIALS FOR IMRT. Radiotherapy and Oncology, 2011, 99, S38.	0.3	0
38	420 poster THERMAL NEUTRON FLUENCY MEASUREMENT IN A HEAD AND NECK PROTON THERAPY TREATMENT. Radiotherapy and Oncology, 2011, 99, S167-S168.	0.3	0
39	422 poster COMPARISON OF PHOTO-NEUTRON FLUENCE FOR DIFFERENT ENERGIES, MANUFACTURERS AND MODELS OF LINACS.. Radiotherapy and Oncology, 2011, 99, S168.	0.3	1
40	1428 poster VERIFICATION OF A PROTON THERAPY FACILITY MONTE CARLO SIMULATION BASED ON THE GAMOS/GEANT4 FRAMEWORK. Radiotherapy and Oncology, 2011, 99, S531.	0.3	0
41	Calibration of a neutron detector based on single event upset of SRAM memories. Radiation Measurements, 2010, 45, 1513-1517.	0.7	10
42	Peripheral Organ Equivalent Dose Estimation Procedure in Proton Therapy. Frontiers in Oncology, 0, 12, .	1.3	3
43	Determining Out-of-Field Doses and Second Cancer Risk From Proton Therapy in Young Patientsâ€™ An Overview. Frontiers in Oncology, 0, 12, .	1.3	5
44	Neutron Radiation Dose Measurements in a Scanning Proton Therapy Room: Can Parents Remain Near Their Children During Treatment?. Frontiers in Oncology, 0, 12, .	1.3	5