

Maite Romero-Expósito

List of Publications by Year in descending order

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papers

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840585

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times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of stray radiation within a scanning proton therapy facility: EURADOS WG9 intercomparison exercise of active dosimetry systems. <i>Medical Physics</i> , 2015, 42, 2572-2584.	1.6	56
2	Estimation of neutron-equivalent dose in organs of patients undergoing radiotherapy by the use of a novel online digital detector. <i>Physics in Medicine and Biology</i> , 2012, 57, 6167-6191.	1.6	52
3	Neutron contamination in radiotherapy: Estimation of second cancers based on measurements in 1377 patients. <i>Radiotherapy and Oncology</i> , 2013, 107, 234-241.	0.3	33
4	A comprehensive spectrometry study of a stray neutron radiation field in scanning proton therapy. <i>Physics in Medicine and Biology</i> , 2016, 61, 4127-4140.	1.6	32
5	Dose distribution of secondary radiation in a water phantom for a proton pencil beam—EURADOS WG9 intercomparison exercise. <i>Physics in Medicine and Biology</i> , 2018, 63, 085017.	1.6	28
6	Commissioning the neutron production of a Linac: Development of a simple tool for second cancer risk estimation. <i>Medical Physics</i> , 2015, 42, 276-281.	1.6	18
7	A new online detector for estimation of peripheral neutron equivalent dose in organ. <i>Medical Physics</i> , 2014, 41, 112105.	1.6	18
8	Analytical model for photon peripheral dose estimation in radiotherapy treatments. <i>Biomedical Physics and Engineering Express</i> , 2015, 1, 045205.	0.6	18
9	Experimental evaluation of neutron dose in radiotherapy patients: Which dose?. <i>Medical Physics</i> , 2015, 43, 360-367.	1.6	17
10	Results of the first user program on the HOmogeneous Thermal NEutron Source HOTNES (ENEA/INFN). <i>Journal of Instrumentation</i> , 2017, 12, P12029-P12029.	0.5	16
11	COMPARISON OF RESPONSE OF PASSIVE DOSIMETRY SYSTEMS IN SCANNING PROTON RADIOTHERAPY—A STUDY USING PAEDIATRIC ANTHROPOMORPHIC PHANTOMS. <i>Radiation Protection Dosimetry</i> , 2018, 180, 256-260.	0.4	16
12	Low dose radiation therapy for COVID-19: Effective dose and estimation of cancer risk. <i>Radiotherapy and Oncology</i> , 2020, 153, 289-295.	0.3	16
13	Uncomplicated and Cancer-Free Control Probability (UCFCP): A new integral approach to treatment plan optimization in photon radiation therapy. <i>Physica Medica</i> , 2017, 42, 277-284.	0.4	12
14	Estimation of the response function of a PADC based neutron dosimeter in terms of fluence and $H_p(10)$. <i>Radiation Measurements</i> , 2013, 50, 82-86.	0.7	11
15	Calibration of a neutron detector based on single event upset of SRAM memories. <i>Radiation Measurements</i> , 2010, 45, 1513-1517.	0.7	10
16	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.	0.4	10
17	Neutron spectrometry of a lightly encapsulated $^{241}\text{Americium}$ —beryllium neutron source using two different Bonner Sphere Spectrometers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 927, 371-374.	0.7	8
18	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.	0.3	7

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19	A comparison of the response of PADC neutron dosimeters in high-energy neutron fields. Radiation Protection Dosimetry, 2014, 161, 78-81.	0.4	6
20	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
21	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
22	Peripheral Organ Equivalent Dose Estimation Procedure in Proton Therapy. Frontiers in Oncology, 0, 12, .	1.3	3
23	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
24	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
25	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
26	Calibration of neutron dosimeters for radiation protection use at the ALBA synchrotron experimental hall. Radiation Physics and Chemistry, 2020, 171, 108749.	1.4	2
27	1497 poster NEUTRON DOSE IN PELVIC RADIOTHERAPY TREATMENT LOCATION.. Radiotherapy and Oncology, 2011, 99, S557-S558.	0.3	1
28	422 poster COMPARISON OF PHOTO-NEUTRON FLUENCE FOR DIFFERENT ENERGIES, MANUFACTURERS AND MODELS OF LINACS.. Radiotherapy and Oncology, 2011, 99, S168.	0.3	1
29	Comparison of passive dosimeters for secondary radiation measurements in scanning proton radiotherapy. Physica Medica, 2014, 30, e65.	0.4	1
30	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
31	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
32	CHARACTERIZATION OF THE EPITHERMAL NEUTRON FIELD PRODUCED BY p+7Li REACTION IN A TANDEM ACCELERATOR USING A BONNER SPHERE SPECTROMETER. Radiation Protection Dosimetry, 2018, 180, 80-84.	0.4	1
33	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
34	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
35	1099 poster HIGH MEGAVOLTAGE RADIOTHERAPY NEUTRON SPECTRA SIMULATION INSIDE AN ANTHROPOMORPHIC PHANTOM. Radiotherapy and Oncology, 2011, 99, S409.	0.3	0
36	1498 poster NEUTRON FLUENCE DISTRIBUTION STUDY IN A PROTON THERAPY FACILITY BUNKER. Radiotherapy and Oncology, 2011, 99, S558.	0.3	0

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37	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
38	1104 poster INFLUENCE OF THE PHANTOM COMPOSITION ON PERIPHERAL NEUTRON ORGAN EQUIVALENT DOSE EVALUATION. Radiotherapy and Oncology, 2011, 99, S411-S412.	0.3	0
39	1496 poster NEUTRON CONTAMINATION MEASUREMENTS AT Ithemba Labs Protontherapy Facility.. Radiotherapy and Oncology, 2011, 99, S557.	0.3	0
40	102 oral PERIPHERAL GAMMA DOSE AND THERMAL NEUTRON FLUENCIES EVALUATION IN DIFFERENT MATERIALS FOR IMRT. Radiotherapy and Oncology, 2011, 99, S38.	0.3	0
41	420 poster THERMAL NEUTRON FLUENCY MEASUREMENT IN A HEAD AND NECK PROTON THERAPY TREATMENT. Radiotherapy and Oncology, 2011, 99, S167-S168.	0.3	0
42	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
43	SU-E-T-43: Analytical Model for Photon Peripheral Dose in Radiotherapy Treatments. Medical Physics, 2014, 41, 231-231.	1.6	0
44	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