



MARIA ESTER BRANDAN SIQUES

Datos Generales

Nombre: MARIA ESTER BRANDAN SIQUES

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 40 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
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Desde 01-01-2008 (fecha inicial de registros en el SIIA)

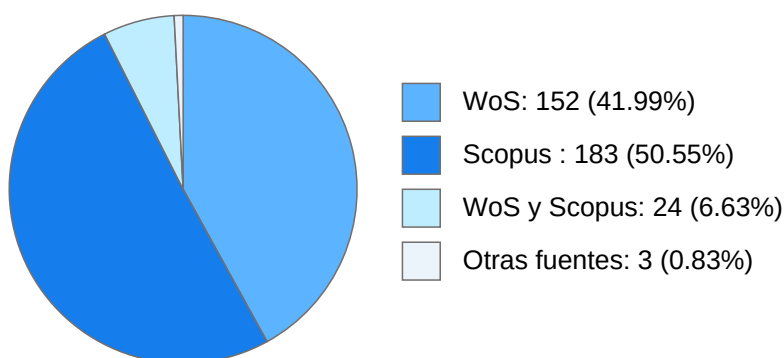
Estímulos, programas, premios y reconocimientos

SNI Emérito 2019 - VIGENTE
SNI III - 2018
PRIDE D - 2024
PASPA Estancias Sabáticas 2008 - 2009
PUN Investigación en ciencias exactas 2013

MARIA ESTER BRANDAN SIQUES

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	XIV Latin American Symposium on Nuclear Physics and Applications	ROELOF BIJKER MARIA ESTER BRANDAN SIQUES LIBERTAD BARRON PALOS et al.	Nuclear Physics News	2025
2	The shape of the TLD-300 glow curve as a function of the energy for photons below 30 keV: Application to triboluminescence X-rays from peeling adhesive tape	EDUARDO LOPEZ PINEDA JUAN VALENTIN ESCOBAR SOTOMAYOR VICTOR MANUEL LOPEZ GUADALUPE et al.	RADIATION MEASUREMENTS	2024
3	Breast density quantification in dual-energy mammography using virtual anthropomorphic phantoms	JORGE PATRICIO CASTILLO LOPEZ MARIA ESTER BRANDAN SIQUES Pacheco G. et al.	JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS	2024
4	Added value of feature uncertainty in a radiomic analysis of Contrast-Enhanced Digital Mammography boosted by deep learning	RICARDO MONTOYA DEL ANGEL JORGE PATRICIO CASTILLO LOPEZ MARIA ESTER BRANDAN SIQUES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2024

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5	Message from the Executive Editorial Board on the occasion of BPEX Volume 10	MARIA ESTER BRANDAN SIQUES Jeraj R. Wohland T.	BIOMEDICAL PHYSICS & ENGINEERING EXPRESS	2024
6	Accuracy and Precision of Iodine Quantification in Subtracted Micro-Computed Tomography: Effect of Reconstruction and Noise Removal Algorithms	LUIS ALBERTO MEDINA VELAZQUEZ CARMEN YOLANDA ACEVES VELASCO MARCELA LIZANO SOBERON et al.	MOLECULAR IMAGING AND BIOLOGY	2023
7	Performance of analog and digital mammography systems from 2000 to 2016 in Mexico	MARIA ESTER BRANDAN SIQUES CESAR GUSTAVO RUIZ TREJO Mendoza-Méndez K.M. et al.	AIP Conference Proceedings	2023
8	Breast glandular density in dual-energy contrast-enhanced mammography: Effect of cladding in the calibration procedure	JORGE PATRICIO CASTILLO LOPEZ MARIA ESTER BRANDAN SIQUES Hoyos-García A.M. et al.	AIP Conference Proceedings	2023
9	Iodine quantification in dual-energy mammography: Linearity, bias and variability	JORGE PATRICIO CASTILLO LOPEZ MARIA ESTER BRANDAN SIQUES Pacheco-Guevara G. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2022
10	Design of a bilateral filter for noise reduction in contrast-enhanced micro-computed tomography	LUIS ALBERTO MEDINA VELAZQUEZ MARIA ESTER BRANDAN SIQUES Ayala-Domínguez L. et al.	AIP Conference Proceedings	2021
11	M3D: Mammography phantom to assess mean glandular dose using thermoluminescent dosimetry	EDUARDO LOPEZ PINEDA MIGUEL ANGEL NAVA CABRERA MARIA ESTER BRANDAN SIQUES et al.	AIP Conference Proceedings	2021
12	Personal dose assessment using thermoluminescent dosimetry	CONCEPCION LAURA SILVA FIERRO DAVID CORTES ELVIRA EDUARDO LOPEZ PINEDA et al.	AIP Conference Proceedings	2021
13	Academic offer in the UNAM masters degree program in medical physics	MARIA ESTER BRANDAN SIQUES	AIP Conference Proceedings	2021
14	Out-of-field mean photon energy and dose from 6 MV and 6 MV FFF beams measured with TLD-300 and TLD-100 dosimeters	VICTOR MANUEL LOPEZ GUADALUPE ALEJANDRO RODRIGUEZ LAGUNA EDUARDO LOPEZ PINEDA et al.	MEDICAL PHYSICS	2021
15	Mean Energy, Dose, and Sources of Out-Of-Field Radiation in Flattening-Filter and Flattening-Filter-Free 6 MV Beams, Measured with TL Dosimeters	VICTOR MANUEL LOPEZ GUADALUPE ALEJANDRO RODRIGUEZ LAGUNA MARIA ADELA POITEVIN CHACON et al.	MEDICAL PHYSICS	2020

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16	Breast Glandular Tissue Volume and Volumetric Glandular Ratio Using Dual-Energy Mammography	MARIA ESTER BRANDAN SIQUES G. Pacheco-Guevara J. Castillo-Lopez et al.	MEDICAL PHYSICS	2020
17	The isotropic emission of tribo-generated x-rays from peeling adhesive tape	MARIA CRISTINA HERNANDEZ HERNANDEZ EDUARDO LOPEZ PINEDA MARIA ESTER BRANDAN SIQUES et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2020
18	Uncertainties associated to the extraction of texture features in single-energy contrast-enhanced mammography	JORGE PATRICIO CASTILLO LOPEZ RICARDO MONTOYA DEL ANGEL MARIA ESTER BRANDAN SIQUES et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2020
19	Overall performance, image quality, and dose, in computed radiology (CR) mammography systems operating in the Mexican public sector	MARIA ESTER BRANDAN SIQUES CESAR GUSTAVO RUIZ TREJO EDUARDO LOPEZ PINEDA et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2020
20	Medical physics graduate education in Mexico and its relation to the advances in radiation oncology	MARIA ESTER BRANDAN SIQUES ALEJANDRO RODRIGUEZ LAGUNA	Reports of Practical Oncology and Radiotherapy	2020
21	Quantitative imaging parameters of contrast-enhanced micro-computed tomography correlate with angiogenesis and necrosis in a subcutaneous c6 glioma model	ZEFERINO ENRIQUE PEREZ CARDENAS ALEJANDRO AVILES SALAS LUIS ALBERTO MEDINA VELAZQUEZ et al.	Cancers	2020
22	Dedicated phantom and TLD-100 dosimetry for simultaneous determination of mean glandular dose and beam quality: Proposal for a compact mammography quality control procedure	EDUARDO LOPEZ PINEDA CESAR GUSTAVO RUIZ TREJO MARIA ESTER BRANDAN SIQUES et al.	Physica Medica-Europe an Journal of Medical Physics	2019
23	Generation of a Mammographic Phantom Using an Inkjet Printer and Radiopaque Ink	EDUARDO LOPEZ PINEDA MARIA ESTER BRANDAN SIQUES Manzano-Hernández J.R.	AIP Conference Proceedings	2019
24	Dependence of the TLD-300 Glow Curve on the Photon Field Direction of Incidence. Studies in Air and in Phantom for Mammography and CT X-Rays	JOSE ALEJANDRO ROJAS LOPEZ EDUARDO LOPEZ PINEDA CARLOS ALBERTO REYNOSO MEJIA et al.	AIP Conference Proceedings	2019

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25	Contrast-enhanced microCT Imaging in a Tumor Angiogenesis Murine Model	ZEFERINO ENRIQUE PEREZ CARDENAS LUIS ALBERTO MEDINA VELAZQUEZ MARCELA LIZANO SOBERON et al.	AIP Conference Proceedings	2019
26	Mean Energy of Secondary Radiation in Teletherapy Treatments, Measured with Thermoluminescent Dosimeters	EDUARDO LOPEZ PINEDA ALEJANDRO RODRIGUEZ LAGUNA MARIA ADELA POITEVIN CHACON et al.	MEDICAL PHYSICS	2019
27	Improvement of early detection of breast cancer through collaborative multi-country efforts: Medical physics component	MARIA ESTER BRANDAN SIQUES Mora P. Faulkner K. et al.	Physica Medica-Europe an Journal of Medical Physics	2018
28	Effective Energy in a CT Phantom Obtained From the Thermoluminescent Glow Curve of TLD-300	JOSE ALEJANDRO ROJAS LOPEZ EDUARDO LOPEZ PINEDA CARLOS ALBERTO REYNOSO MEJIA et al.	MEDICAL PHYSICS	2018
29	Optimization of acquisition parameters for the detection of secondary breast lesions applying temporal contrast enhanced digital mammography	HECTOR ALEJANDRO GALVAN ESPINOZA FRANCISCO BERUMEN MURILLO MARIA ESTER BRANDAN SIQUES et al.	Progress in Biomedical Optics and Imaging	2018
30	Dosimetry in a mammography phantom using TLD-300 dosimeters	MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES Muñoz I.D. et al.	MEDICAL PHYSICS	2018
31	Quantification of tumor angiogenesis with contrast-enhanced x-ray imaging in preclinical studies: a review	MARIA ESTER BRANDAN SIQUES Ayala-Domínguez L.	BIOMEDICAL PHYSICS & ENGINEERING EXPRESS	2018
32	Use of the TLD-300 Glow Curve Shape to Determine Radiological Magnitudes Inside a BR-12 Phantom Exposed to Mammography Beams	MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES I. Munoz et al.	MEDICAL PHYSICS	2017
33	Dual TLD-100/TLD-300 method to evaluate beam quality and absorbed dose in radiological imaging procedures	EDUARDO LOPEZ PINEDA MARIA ESTER BRANDAN SIQUES Gómez-Facenda, A. et al.	RADIATION MEASUREMENTS	2017
34	Texture analysis of contrast-enhanced digital mammography (CEDM) images	MARIA JULIETA MATEOS OCHOA ALFONSO GASTELUM STROZZI JORGE ALBERTO MARQUEZ FLORES et al.	Lecture Notes in Computer Science	2016
35	Clinical study of contrast-enhanced digital mammography and the evaluation of blood and lymphatic microvessel density	MARIA ESTER BRANDAN SIQUES JUAN PABLO CRUZ BASTIDA IVAN MIGUEL ROSADO MENDEZ et al.	BRITISH JOURNAL OF RADIOLOGY	2016
36	Clinical training residency programs in Mexico: Next step in the formation of medical physicists	LUIS ALBERTO MEDINA VELAZQUEZ MARIA ESTER BRANDAN SIQUES	AIP Conference Proceedings	2016

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37	A method to optimize the image acquisition protocol of a MicroCT unit for preclinical studies using contrast-enhanced digital subtraction	FRANCISCO BERUMEN MURILLO LUIS ALBERTO MEDINA VELAZQUEZ MARIA ESTER BRANDAN SIQUES et al.	AIP Conference Proceedings	2016
38	Contrast-enhanced digital mammography and other techniques based on image subtraction	MARIA ESTER BRANDAN SIQUES	AIP Conference Proceedings	2016
39	Optimization of Dual-Energy Subtraction for Preclinical Studies Using a Commercial MicroCT Unit	FRANCISCO BERUMEN MURILLO LUIS ALBERTO MEDINA VELAZQUEZ MARIA ESTER BRANDAN SIQUES et al.	AIP Conference Proceedings	2016
40	Image quality and mean glandular dose in Mexican mammography services measured with an Object-Insert/TL mammography kit	EDUARDO LOPEZ PINEDA CESAR GUSTAVO RUIZ TREJO MARIA ESTER BRANDAN SIQUES	AIP Conference Proceedings	2016
41	Performance evaluation of a digital mammography unit using a contrast-detail phantom	MARIA ESTER BRANDAN SIQUES Elizalde-Cabrera J.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2015
42	The medical physics M.Sc. program at the National University of Mexico: Results and lessons learned after 100+ graduates	MARIA ESTER BRANDAN SIQUES	IFMBE Proceedings	2015
43	Evolution of the CaF ₂ :Tm (TLD-300) glow curve as an indicator of beam quality for low-energy photon beams	I. D. Munoz MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES et al.	PHYSICS IN MEDICINE AND BIOLOGY	2015
44	Time Evolution of Texture Parameters of Subtracted Images Obtained by Contrast-Enhanced Digital Mammography (CEDM)	JOSE LUIS MATEOS TRIGOS ALFONSO GASTELUM STROZZI JORGE ALBERTO MARQUEZ FLORES et al.	MEDICAL PHYSICS	2015
45	MEASUREMENT OF RADIATION EXPOSURE IN RELATIVES OF THYROID CANCER PATIENTS TREATED WITH I-131	Y. T. Ramirez Garzon LUIS ALBERTO MEDINA VELAZQUEZ MARIA ISABEL GAMBOA DE BUEN et al.	HEALTH PHYSICS	2014
46	A mammographic phantom to measure mean glandular dose by thermoluminescent dosimetry	EDUARDO LOPEZ PINEDA CESAR GUSTAVO RUIZ TREJO MARIA ESTER BRANDAN SIQUES	RADIATION MEASUREMENTS	2014
47	A mammographic phantom to measure mean glandular dose by thermoluminescent dosimetry	EDUARDO LOPEZ PINEDA CESAR GUSTAVO RUIZ TREJO MARIA ESTER BRANDAN SIQUES	RADIATION MEASUREMENTS	2014
48	Preface: XIII Mexican symposium on medical physics	MARIA ESTER BRANDAN SIQUES	AIP Conference Proceedings	2014
49	A Mammography Phantom to Measure Mean Glandular Dose and Image Quality	EDUARDO LOPEZ PINEDA MARIA ESTER BRANDAN SIQUES C. Ruiz-Trejo	MEDICAL PHYSICS	2014

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50	IAEA contribution to international harmonization of guidelines for clinical medical radiation physicists	MARIA ESTER BRANDAN SIQUES Meghzifene, A. do Carmo Lopes, M. et al.	MEDICAL PHYSICS	2013
51	Use of oversampling to quantify phase effects in X-ray images of straight fibers	K. D. Palma Alejandro TIRSO MURRIETA RODRIGUEZ MARIA ESTER BRANDAN SIQUES	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	2013
52	On the effect of FineView, mean energy and anti-scatter grid on the DQE of a mammography system	L. Ayala Dominguez MARIA ESTER BRANDAN SIQUES	RADIATION MEASUREMENTS	2013
53	WE-G-103-01: Dual-Energy Temporal Study of Contrast-Enhanced Digital Mammography in 20 Patients: The Use of a Pixel-By-Pixel Weighting Formalism for the Subtraction	MARIA ESTER BRANDAN SIQUES JUAN PABLO CRUZ BASTIDA H. Perez Ponce et al.	MEDICAL PHYSICS	2013
54	Dose received by occupationally exposed workers at a nuclear medicine department	LUIS ALBERTO MEDINA VELAZQUEZ ANA ELENA BUENFIL BURGOS MARIA ESTER BRANDAN SIQUES et al.	AIP Conference Proceedings	2012
55	Effect of spectral shape in the relative efficiency of LiF: Mg,Ti exposed to 20 keV effective energy X-rays	J. M. Ixquiac Cabrera MARIA ESTER BRANDAN SIQUES ARNULFO MARTINEZ DAVALOS et al.	RADIATION MEASUREMENTS	2011
56	Supralinear response of LiF:Mg,Ti (TLD-100) after exposure to 100 keV average energy X-rays	GUERDA MASSILLON MARIA ESTER BRANDAN SIQUES Avila, O.	RADIATION MEASUREMENTS	2011
57	TL measurement of ambient dose at a Nuclear Medicine Department	CLAUDIA LILIANA TORRES ULLOA LUIS ALBERTO MEDINA VELAZQUEZ MARIA ISABEL GAMBOA DE BUEN et al.	RADIATION MEASUREMENTS	2011
58	SU-E-I-140: A Clinical Study of Dual- and Single- Spectrum Temporal Subtraction Mammography Techniques Using an Iodine-Based Contrast Medium	MARIA ESTER BRANDAN SIQUES IVAN MIGUEL ROSADO MENDEZ Villaseñor, Y. et al.	MEDICAL PHYSICS	2011

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59	Phantom study to evaluate contrast-medium-enhanced digital subtraction mammography with a full-field indirect-detection system	ANA MARIA BEATRIZ CETTO KRAMIS I. Rosado Mendez MARIA ESTER BRANDAN SIQUES et al.	MEDICAL PHYSICS	2010
60	A Small-Animal PET System Based on LYSO Crystal Arrays, PS-PMTs and a PCI DAQ Board	HECTOR ALVA SANCHEZ TIRSO MURRIETA RODRIGUEZ E. Moreno Barbosa et al.	IEEE TRANSACTIONS ON NUCLEAR SCIENCE	2010
61	Parameterization of X-ray spectra appropriate for microCT scanners	U. E. Moya MARIA ESTER BRANDAN SIQUES ARNULFO MARTINEZ DAVALOS et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2010
62	Microtomograph prototype positron emission tomography. Spatial resolution and metabolic studies	HECTOR ALVA SANCHEZ TIRSO MURRIETA RODRIGUEZ CESAR GUSTAVO RUIZ TREJO et al.	REVISTA MEXICANA DE FISICA	2010
63	The UNAM M. Sc. program in Medical Physics enters its teen years	MARIA ESTER BRANDAN SIQUES	AIP Conference Proceedings	2010
64	Influence of geometrical factors on phase contrast fiber images	MARIA ESTER BRANDAN SIQUES Chevalier M. Chanes L. et al.	Lecture Notes in Computer Science	2010
65	Prototipo de microtomógrafo por emisión de positrones. Resolución espacial y estudios metabólicos	HECTOR ALVA SANCHEZ TIRSO MURRIETA RODRIGUEZ CESAR GUSTAVO RUIZ TREJO et al.	REVISTA MEXICANA DE FISICA	2010
66	Validation of a custom-made software for DQE assessment in mammography digital detectors	MARIA ESTER BRANDAN SIQUES Ayala-Domínguez L. Pérez-Ponce H.	AIP Conference Proceedings	2010
67	Ambient dose equivalent measured at the instituto nacional de cancerología department of nuclear medicine	LUIS ALBERTO MEDINA VELAZQUEZ MARIA ISABEL GAMBOA DE BUEN ANA ELENA BUENFIL BURGOS et al.	AIP Conference Proceedings	2010
68	Quality control evaluation of 37 liquid crystal displays used in diagnostic services	MARIA ESTER BRANDAN SIQUES Morant J.J. Chevalier M. et al.	Progress in Biomedical Optics and Imaging	2009

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69	Observation of edge-enhancement in digital images obtained with a clinical mammography unit	MARIA ESTER BRANDAN SIQUES Chevalier M. Guibelalde E. et al.	IFMBE Proceedings	2009
70	Contrast-medium-enhanced digital mammography: Comparison of standard vs. high-energy spectra for dual-energy temporal subtraction	LUIS SOTERO BENITEZ Y BRIBIESCA MARIA ESTER BRANDAN SIQUES IVAN MIGUEL ROSADO MENDEZ et al.	IFMBE Proceedings	2009
71	Experimental study of the response of radiochromic films to proton radiation of low energy	MARIA ISABEL GAMBOA DE BUEN ANA ELENA BUENFIL BURGOS MARIA ESTER BRANDAN SIQUES et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2009
72	Initial characterization of a benchtop microPET system based on LYSO crystal arrays and Hamamatsu H8500 PS-PMTs	HECTOR ALVA SANCHEZ ARNULFO MARTINEZ DAVALOS E. Moreno Barbosa et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2009
73	DNA Damage Induced in AT Lymphoblastoid Cell Line by Exposure to Low-Dose Beta and Alpha Radiation	FERNANDO VILLEGAS ALVAREZ LOURDES MONSERRAT SORDO CEDEÑO MARIA ESTER BRANDAN SIQUES et al.	ENVIRONMENTAL AND MOLECULAR MUTAGENESIS	2009

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74	CaF ₂ : Tm (TLD-300) thermoluminescent response and glow curve induced by gamma-rays and ions	GUERDA MASSILLON MARIA ISABEL GAMBOA DE BUEN ANA ELENA BUENFIL BURGOS et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2008
75	Influence of input functions in TLD-100 ion-gamma relative efficiencies calculated with MTST	GUERDA MASSILLON MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES et al.	RADIATION MEASUREMENTS	2008
76	Analytical optimization of digital subtraction mammography with contrast medium using a commercial unit	ANA MARIA BEATRIZ CETTO KRAMIS MARIA ESTER BRANDAN SIQUES IVAN MIGUEL ROSADO MENDEZ	MEDICAL PHYSICS	2008
77	Energy calibration of individual crystals in a LYSO pixelated array for microPET detection modules using Voronoi diagrams	HECTOR ALVA SANCHEZ ARNULFO MARTINEZ DAVALOS E. Moreno Barbosa et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	2008
78	Use of an orthovoltage X-ray treatment unit as a radiation research system in a small-animal cancer model	LUIS ALBERTO MEDINA VELAZQUEZ Blanca-Ivone Herrera Penilla Mario-Alberto Castro Morales et al.	J EXP CLIN CANC RES	2008
79	Contrast-medium-enhanced digital mammography: Contrast vs. iodine concentration phantom calibration	LUIS SOTERO BENITEZ Y BRIBIESCA MARIA ESTER BRANDAN SIQUES IVAN MIGUEL ROSADO MENDEZ et al.	AIP Conference Proceedings	2008
80	TH-C-332-06: Optimization and Calibration Procedures of a Contrast-Medium Based Subtraction Technique in Digital Mammography	MARIA ESTER BRANDAN SIQUES IVAN MIGUEL ROSADO MENDEZ Palma, B.A. et al.	MEDICAL PHYSICS	2008
81	Contrast-enhanced digital mammography and angiogenesis	LUIS SOTERO BENITEZ Y BRIBIESCA MARIA ESTER BRANDAN SIQUES IVAN MIGUEL ROSADO MENDEZ et al.	AIP Conference Proceedings	2007

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82	Dosimetry: The art of measuring the energy deposited by ionizing radiation in a Medium	MARIA ESTER BRANDAN SIQUES	AIP Conference Proceedings	2007
83	What makes a good mammography image?	MARIA ESTER BRANDAN SIQUES	AIP Conference Proceedings	2007
84	TL response of LiF: Mg,Ti exposed to intermediate energy 1H, 3He, 12C, 16O and 20Ne ions	GUERDA MASSILLON MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2007
85	Search for ionisation density effects in the radiation absorption stage in LiF:Mg,Ti	MARIA ESTER BRANDAN SIQUES MERCEDES RODRIGUEZ VILLAFUERTE ANA ELENA BUENFIL BURGOS et al.	RADIATION PROTECTION DOSIMETRY	2006
86	Let and dose dependence of TLD-100 glow curve after exposure to intermediate-energy ions	GUERDA MASSILLON MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES	RADIATION PROTECTION DOSIMETRY	2006
87	Onset of supralinear response in TLD-100 exposed to 60Co gamma-rays	GUERDA MASSILLON MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2006
88	Evaluation of dual-energy subtraction of digital mammography images under conditions found in a commercial unit	MARIA ESTER BRANDAN SIQUES Ramírez-R V.	PHYSICS IN MEDICINE AND BIOLOGY	2006
89	TLD-100 thermoluminescent efficiencies for low-energy ions: Correlation of efficiency with ion incident energy	MERCEDES RODRIGUEZ VILLAFUERTE MARIA ISABEL GAMBOA DE BUEN ANA ELENA BUENFIL BURGOS et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2006
90	Response of LiF:Mg,Ti to low energy carbon and oxygen ions	MERCEDES RODRIGUEZ VILLAFUERTE ANA ELENA BUENFIL BURGOS MARIA ISABEL GAMBOA DE BUEN et al.	RADIATION PROTECTION DOSIMETRY	2006
91	Absorbed dose and transmission factor in blocked fields for radiotherapy treatments with 6 MV X-ray	ANA ELENA BUENFIL BURGOS MARIA ESTER BRANDAN SIQUES Rodríguez-González M.F. et al.	CLINICAL & TRANSLATIONAL ONCOLOGY	2006
92	Phenomenological study of the ionisation density-dependence of TLD-100 peak 5a	MARIA ESTER BRANDAN SIQUES Angeles O. Mercado-Urbe H.	RADIATION PROTECTION DOSIMETRY	2006
93	Observation of enhanced efficiency in the excitation of ion-induced LiF:Mg,Ti thermoluminescent peaks	GUERDA MASSILLON MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES	JOURNAL OF APPLIED PHYSICS	2006

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94	The quality of radiology services in five Latin American countries [La calidad de los servicios de radiología en cinco países latinoamericanos]	MARIA ESTER BRANDAN SIQUES Fleitas I. Caspani C.C. et al.	REVISTA PANAMERICANA DE SALUD PUBLICA-PAN AMERICAN JOURNAL OF PUBLIC HEALTH	2006
95	Relative HCP-to-gamma thermoluminescent efficiencies for TLD-100 dosimeters exposed to low-energy ions	MERCEDES RODRIGUEZ VILLAFUERTE MARIA ISABEL GAMBOA DE BUEN ANA ELENA BUENFIL BURGOS et al.	AIP Conference Proceedings	2006
96	Characterisation of a position-sensitive photomultiplier tube for microPET detection modules	HECTOR ALVA SANCHEZ MERCEDES RODRIGUEZ VILLAFUERTE ARNULFO MARTINEZ DAVALOS et al.	AIP Conference Proceedings	2006
97	Textural assessment in digital mammograms	JORGE ALBERTO MARQUEZ FLORES MARIA ESTER BRANDAN SIQUES Trujillo-Zamudio F.E. et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2006
98	SU-FF-I-72: Evaluation of Dual-Energy Subtraction of Digital Mammography Images Under Conditions Found in a Commercial Unit	MARIA ESTER BRANDAN SIQUES Ramírez, V.	MEDICAL PHYSICS	2006
99	SU-FF-I-47: A Method of the Pixelized Detectors Coordinate Resolution and MTF Estimation	VARLEN GRABSKI MARIA ESTER BRANDAN SIQUES ERNESTO JOSE MARIA DE LA SALETE BELMONT MORENO et al.	MEDICAL PHYSICS	2006
100	SU-EE-A2-05: Accuracy in the Determination of Microcalcification Thickness in Digital Mammography	MARIA ESTER BRANDAN SIQUES VARLEN GRABSKI	MEDICAL PHYSICS	2005
101	SU-FF-T-252: Spatial Dose Distributions in Solid Tumors From 186Re Transported by Liposomes Using HS Radiochromic Media	LUIS ALBERTO MEDINA VELAZQUEZ MARIA ESTER BRANDAN SIQUES MERCEDES RODRIGUEZ VILLAFUERTE et al.	MEDICAL PHYSICS	2005

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102	Thermoluminescent response of TLD-100 irradiated with 20 keV electrons and the use of radiochromic dye films for the fluence determination	MARIA ESTER BRANDAN SIQUES Mercado-Uribe H.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2004
103	Low energy ion tracks in lithium fluoride	MARIA ESTER BRANDAN SIQUES Avila O.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2004
104	Sublinear response of peak 5 in LiF:Mg,Ti to low energy protons and carbon ions	MERCEDES RODRIGUEZ VILLAFUERTE HECTOR ALVA SANCHEZ ANA ELENA BUENFIL BURGOS et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2004
105	Response of radiochromic dye films to low energy heavy charged particles	ANA ELENA BUENFIL BURGOS CESAR GUSTAVO RUIZ TREJO MARIA ISABEL GAMBOA DE BUEN et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2002
106	The use of a reflective scanner to study radiochronic film response	HECTOR ALVA SANCHEZ MERCEDES RODRIGUEZ VILLAFUERTE MARIA ESTER BRANDAN SIQUES et al.	PHYSICS IN MEDICINE AND BIOLOGY	2002

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107	Influence of $fd(D)$ on modified track structure theory efficiency calculations	MARIA ESTER BRANDAN SIQUES Avila O. Horowitz Y.S. et al.	RADIATION PROTECTION DOSIMETRY	2002
108	Supralinearity of peaks 5a, 5 and 5b in TLD-100 following 6.8 MeV and 2.6 MeV He ion irradiation: The extended track interaction model	MARIA ESTER BRANDAN SIQUES MERCEDES RODRIGUEZ VILLAFUERTE Horowitz Y.S. et al.	RADIATION PROTECTION DOSIMETRY	2002
109	Thermoluminescent response of LiF:Mg,Ti TO 20 keV electrons	MARIA ESTER BRANDAN SIQUES Mercado-Urbe H. Horowitz Y.S. et al.	RADIATION PROTECTION DOSIMETRY	2002
110	Thermoluminescence induced by heavy charged particles	MARIA ESTER BRANDAN SIQUES MERCEDES RODRIGUEZ VILLAFUERTE Gaboá-Debuen I. et al.	RADIATION PROTECTION DOSIMETRY	2002
111	The dispersion relation applied to the radial shape and energy dependence of the 16O-16O potential at intermediate energies	MARIA MAGDALENA GONZALEZ SANCHEZ MARIA ESTER BRANDAN SIQUES	NUCLEAR PHYSICS A	2001
112	Refractive elastic scattering of 16O by 12C at 300 MeV	MARIA ESTER BRANDAN SIQUES Trache L. Clark H.L. et al.	NUCLEAR PHYSICS A	2001
113	The extended track interaction model: Supralinearity and saturation He-ion TL fluence response in sensitized TLD-100	MARIA ESTER BRANDAN SIQUES MERCEDES RODRIGUEZ VILLAFUERTE MARIA ISABEL GAMBOA DE BUEN et al.	RADIATION MEASUREMENTS	2001
114	Refractive elastic scattering of carbon and oxygen nuclei: The mean field analysis and airy structures	MARIA ESTER BRANDAN SIQUES Szilner S. Nicoli M.P. et al.	PHYSICAL REVIEW C	2001
115	Supralinear response and efficiency of LiF:Mg,Ti to 0.7, 1.5 and 3 MeV protons	MARIA ISABEL GAMBOA DE BUEN MERCEDES RODRIGUEZ VILLAFUERTE ANA ELENA BUENFIL BURGOS et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2001

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116	Fast subcritical hybrid reactors for energy production: Evolution of physical parameters and induced radiotoxicities	MARIA ESTER BRANDAN SIQUES David S. Billebaud A. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2000
117	Detailed study and mean field interpretation of $^{16}\text{O}+^{12}\text{C}$ elastic scattering at seven medium energies	MARIA ESTER BRANDAN SIQUES Nicoli M.P. Haas F. et al.	PHYSICAL REVIEW C	2000
118	Study of the TL response of LiF:Mg,Ti to 3 and 7.5 MeV helium ions: Measurements and interpretation in terms of the track interaction model	MERCEDES RODRIGUEZ VILLAFUERTE ANA ELENA BUENFIL BURGOS MARIA ISABEL GAMBOA DE BUEN et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2000
119	Elastic scattering of $^{16}\text{O}+^{16}\text{O}$ at energies E/A between 5 and 8 MeV	MARIA ESTER BRANDAN SIQUES Nicoli M.P. Haas F. et al.	PHYSICAL REVIEW C	1999
120	Analytical method for polarimeter design optimization	MARIA ESTER BRANDAN SIQUES Voutier E. Bauer Th.S. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	1999

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121	Study of the energy deposition in LiF by heavy charged particle irradiation and its relation to the thermoluminescent efficiency of the material	MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES Avila O.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1999
122	Thermoluminescent response of TLD-100 to low energy protons	MARIA ISABEL GAMBOA DE BUEN MERCEDES RODRIGUEZ VILLAFUERTE ANA ELENA BUENFIL BURGOS et al.	RADIATION PROTECTION DOSIMETRY	1999
123	Response of TLD-300 to heavy charged particles	ANA ELENA BUENFIL BURGOS MARIA ISABEL GAMBOA DE BUEN CESAR GUSTAVO RUIZ TREJO et al.	RADIATION PROTECTION DOSIMETRY	1999
124	Ionisation density effects in the thermoluminescence of TLD-100: Computerised T(m)-T(stop) glow curve analysis	MARIA ESTER BRANDAN SIQUES ANA ELENA BUENFIL BURGOS MARIA ISABEL GAMBOA DE BUEN et al.	RADIATION PROTECTION DOSIMETRY	1999
125	Influence of the radiation field and track shape on the supralinear response of TLD-100 to heavy charged particles	MERCEDES RODRIGUEZ VILLAFUERTE MARIA ESTER BRANDAN SIQUES	RADIATION PROTECTION DOSIMETRY	1999
126	Numerical model of the supralinear response of heavy charged-particle TL doseimeters	MERCEDES RODRIGUEZ VILLAFUERTE MARIA ESTER BRANDAN SIQUES	COMPUTER PHYSICS COMMUNICATIO NS	1999
127	Refractive Effects in the Elastic Scattering of Light Heavy Ions between 5 and 10 MeV/n: The $^{16}\text{O}+^{16}\text{O}$ Reaction	MARIA ESTER BRANDAN SIQUES Nicoli M.P. Haas F. et al.	NUCLEAR PHYSICS A	1999
128	Measurement of the thermoluminescent response (supralinearity and efficiency) of LiF : Mg, Ti exposed to 0.7 MeV protons	MARIA ISABEL GAMBOA DE BUEN ALICIA MARIA OLIVER Y GUTIERREZ KARIM URIEL LOPEZ GUZMAN et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1998
129	Thermoluminescent response and relative efficiency of TLD-100 exposed to low-energy x-rays	MARIA ISABEL GAMBOA DE BUEN ANA ELENA BUENFIL BURGOS CESAR GUSTAVO RUIZ TREJO et al.	PHYSICS IN MEDICINE AND BIOLOGY	1998
130	Shape resonances and deep optical potentials: A mean-field description of $^{12}\text{C} + ^{12}\text{C}$ scattering at low energies	MARIA ESTER BRANDAN SIQUES Kondo Y. Satchler G.R.	NUCLEAR PHYSICS A	1998
131	Monte Carlo simulation of depth-dose distributions in TLD-100 under 90sr-90y irradiation	MERCEDES RODRIGUEZ VILLAFUERTE MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES	HEALTH PHYSICS	1997

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132	The interaction between light heavy-ions and what it tells us	MARIA ESTER BRANDAN SIQUES Satchler G.R.	PHYSICS REPORTS-REVIEWS SECTION OF PHYSICS LETTERS	1997
133	Influence of repeated use and annealing atmosphere on LiF TLD-100 response to α -particles	ANA ELENA BUENFIL BURGOS MARIA ESTER BRANDAN SIQUES	APPLIED RADIATION AND ISOTOPES	1997
134	Limits to the validity of the Glauber approximation for heavy-ion scattering, and a possible assessment of in-medium NN Pauli blocking	MARIA ESTER BRANDAN SIQUES Chehime H. McVoy K.W.	PHYSICAL REVIEW C	1997
135	Remarkable optical-potential systematics for lighter heavy ions	MARIA ESTER BRANDAN SIQUES McVoy K.W.	PHYSICAL REVIEW C	1997
136	Thermoluminescent characteristics of KBr:Eu and KBr:Eu,Mg irradiated with UV light	ANA ELENA BUENFIL BURGOS MARIA ESTER BRANDAN SIQUES Flores A.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	1997
137	Application of the dispersion relation to the radial dependence of the real optical potential for $^{12}\text{C}+^{12}\text{C}$ at intermediate energies	MARIA MAGDALENA GONZALEZ SANCHEZ MARIA ESTER BRANDAN SIQUES	REVISTA MEXICANA DE FISICA	1997
138	Atomic effects in heavy-ion elastic scattering	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Casandjian J.M. et al.	PHYSICAL REVIEW C	1997
139	Radial energy distributions in LiF by alpha particle irradiation using Monte Carlo simulation	MARIA ESTER BRANDAN SIQUES Avila O. Salvat F. et al.	RADIATION PROTECTION DOSIMETRY	1996
140	Supralinearity in the response of TLD-100 to 5.3 MeV alpha particles	MARIA ISABEL GAMBOA DE BUEN ANA ELENA BUENFIL BURGOS MERCEDES RODRIGUEZ VILLAFUERTE et al.	RADIATION PROTECTION DOSIMETRY	1996
141	Influence of annealing on TLD-100 response to 5.3 MeV α -particles	MARIA ISABEL GAMBOA DE BUEN MARIA ESTER BRANDAN SIQUES	APPLIED RADIATION AND ISOTOPES	1996
142	Light-particle evaporation as a function of neutron excess for medium-mass compound nuclei with $E_x \approx 2 \text{ MeV/u}$	MARIA ESTER BRANDAN SIQUES Lou Y. Gonin M. et al.	NUCLEAR PHYSICS A	1995
143	Diamond TL response to alpha, beta and gamma radiation	ANA ELENA BUENFIL BURGOS MARIA ESTER BRANDAN SIQUES Avila O.	RADIATION PROTECTION DOSIMETRY	1995
144	Blast expansion in $^{32}\text{S} + ^{27}\text{Al}$ at 37.5 MeV/nucleon	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Heuer D. et al.	NUCLEAR PHYSICS A	1995

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145	The high precision measurement of 208Pb+208Pb Mott scattering at energies under the Coulomb barrier: the observation of new atomic effects	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Lépine-Szily A. et al.	NUCLEAR PHYSICS A	1995
146	Time relationships between direct particle emission and fragmentation: A probe for nuclear expansion prior to fragment freeze-out	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Gelderloos C.J. et al.	PHYSICAL REVIEW LETTERS	1995
147	Emission times for energy selected H _{1,2,3} ejectiles from central collisions: 1360 MeV Ar40+Ag	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Gelderloos C.J. et al.	PHYSICAL REVIEW C	1995
148	Explosive multifragmentation in the S32+27Al reaction at 37.5 MeV/nucleon	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Heuer D. et al.	PHYSICAL REVIEW C	1994
149	Mean dose to lymphocytes during radiotherapy treatments	MARIA ESTER BRANDAN SIQUES MARIA EUGENIA GONSEBATT BONAPARTE Pérez-Pastenes M.A. et al.	HEALTH PHYSICS	1994
150	A GEANT extension for polarized neutron-proton scattering	MARIA ESTER BRANDAN SIQUES den Bok H.W. Papandreou Z. et al.	COMPUTER PHYSICS COMMUNICATIONS	1993
151	Effect of the detector response on measurements performed with heavy-ion 4p detectors	MARIA ESTER BRANDAN SIQUES KARO MICHAELIAN PAUW Cole A.J. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	1993
152	Elastic scattering of Ni58+27Al at near-barrier energies	MARIA ESTER BRANDAN SIQUES Alfaro J.R. Gómez Del Campo J. et al.	PHYSICAL REVIEW C	1993
153	Multidetector study of primary projectilelike fragments in the reaction Ca40+natCu at 35 MeV/nucleon	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Lleres A. et al.	PHYSICAL REVIEW C	1993

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154	Recoil effects in sequential emission and Coulomb dissociation	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Cole A.J. et al.	PHYSICAL REVIEW C	1993
155	Dynamical and statistical properties of hot nuclei	ARTURO ALEJANDRO MENCHACA ROCHA MARIA ESTER BRANDAN SIQUES Natowitz J.B. et al.	NUCLEAR PHYSICS A	1992
156	Low-energy intermediate mass fragments in the O16+12C reaction at 38 MeV/nucleon	ERNESTO JOSE MARIA DE LA SALETE BELMONT MORENO MARIA ESTER BRANDAN SIQUES Garca-Sols E. et al.	PHYSICAL REVIEW C	1992
157	Dosimetric properties of europium-doped potassium bromide thermoluminescent crystals	MARIA ESTER BRANDAN SIQUES ANA ELENA BUENFIL BURGOS	HEALTH PHYSICS	1992
158	Analysis of an unusual potential ambiguity for 16O+16O scattering	MARIA ESTER BRANDAN SIQUES McVoy K.W. Satchler G.R.	PHYSICS LETTERS B	1992
159	The 90° excitation function for elastic 12C + 12C scattering. The importance of Airy elephants	MARIA ESTER BRANDAN SIQUES McVoy K.W.	NUCLEAR PHYSICS A	1992
160	Radioluminescence study in KI(Eu)	ERNESTO JOSE MARIA DE LA SALETE BELMONT MORENO ARTURO ALEJANDRO MENCHACA ROCHA MARIA ESTER BRANDAN SIQUES et al.	RADIATION EFFECTS AND DEFECTS IN SOLIDS	1991
161	Rainbow-shift mechanism behind discrete optical-potential ambiguities	MARIA ESTER BRANDAN SIQUES McVoy K.W.	PHYSICAL REVIEW C	1991
162	Optical potential ambiguities and 16O+16O at 350 MeV	MARIA ESTER BRANDAN SIQUES Satchler G.R.	PHYSICS LETTERS B	1991
163	KBr(Eu) scintillator crystals as heavy ion detectors	ERNESTO JOSE MARIA DE LA SALETE BELMONT MORENO MARIA ESTER BRANDAN SIQUES Menchaca-Rocha A. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	1991
164	Search for a valence-neutron-induced enhancement in the sub-barrier fusion of S32+12,13C	ERNESTO JOSE MARIA DE LA SALETE BELMONT MORENO MARIA ESTER BRANDAN SIQUES Martnez A. et al.	PHYSICAL REVIEW C	1990

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165	Nuclear refraction in N14+12C elastic scattering at E/A=20 MeV	MARIA ESTER BRANDAN SIQUES ERNESTO JOSE MARIA DE LA SALETE BELMONT MORENO Soberano S.E. et al.	PHYSICAL REVIEW C	1990
166	C12+12C elastic scattering analysis above E/A=6 MeV using deep real potentials	MARIA ESTER BRANDAN SIQUES AMADO GUSTAVO AYALA MILIAN Rodrguez-Villafuerte M.	PHYSICAL REVIEW C	1990
167	Pre-irradiation storage effect on the response of a radiochromic film dosimeter	ANA ELENA BUENFIL BURGOS MARIA ESTER BRANDAN SIQUES	Radiation Physics And Chemistry	1989
168	Pre-irradiation storage effect on the response of a radiochromic film dosimeter	ANA ELENA BUENFIL BURGOS MARIA ESTER BRANDAN SIQUES	International Journal Of Radiation Applications And Instrumentatio n. Part	1989
169	A simple expression to improve the 12C(n, px) reaction description in neutron efficiency codes	MARIA ESTER BRANDAN SIQUES Pérez-Padilla J.J.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	1988
170	Further optical model studies of 16O scattering at E A = 94 MeV	MARIA ESTER BRANDAN SIQUES Kobos A.M. Satchler G.R.	NUCLEAR PHYSICS A	1988
171	Resolution of potential ambiguities through farside angular structure: Data summary	MARIA ESTER BRANDAN SIQUES Fricke S.H. McVoy K.W.	PHYSICAL REVIEW C	1988
172	Resolution of potential ambiguities through farside angular structure: Semiclassical analysis	MARIA ESTER BRANDAN SIQUES Fricke S.H. McVoy K.W.	PHYSICAL REVIEW C	1988
173	Unambiguous imaginary potential in the optical-model description of light heavy-ion elastic scattering	MARIA ESTER BRANDAN SIQUES	PHYSICAL REVIEW LETTERS	1988

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174	Folding model analysis of $^{12}\text{C}+^{12}\text{C}$ and $^{16}\text{O}+^{12}\text{C}$ scattering at intermediate energies using a density-dependent interaction	MARIA ESTER BRANDAN SIQUES Satchler G.R.	NUCLEAR PHYSICS A	1988
175	Production and deexcitation of highly deformed Ga67	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Majka Z. et al.	PHYSICAL REVIEW C	1987
176	Elastic and inelastic $\text{O}^{16}+^{12}\text{C}$ scattering at 38 MeV/nucleon	MARIA ESTER BRANDAN SIQUES Buenerd M. Chauvin J. et al.	PHYSICAL REVIEW C	1986
177	Detection of ^8Be nuclei from the reaction $^{16}\text{O}+^{27}\text{Al}$ at 65 MeV	MARIA ESTER BRANDAN SIQUES Menchace-Rocha A. Szanto De Toledo A. et al.	Journal Of Physics G: Nuclear Physics	1986
178	Measurement of the terminal velocity in air of a Ping-Pong ball using a time-to-amplitude converter in the millisecond range	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA Gutiérrez M. et al.	AMERICAN JOURNAL OF PHYSICS	1984
179	Target dependence of ^{16}O -induced reactions at 20 MeV/A	ARTURO ALEJANDRO MENCHACA ROCHA MARIA ESTER BRANDAN SIQUES Legrain R. et al.	Journal Of Physics G: Nuclear Physics	1983
180	Incomplete momentum transfer components in $^{16}\text{O}+^{12}\text{C}$ fusion at 20 MeV/A	ARTURO ALEJANDRO MENCHACA ROCHA MARIA ESTER BRANDAN SIQUES Dacal A. et al.	PHYSICS LETTERS B	1983
181	Measurement of reactions induced by 30 MeV/A ^{12}C	ARTURO ALEJANDRO MENCHACA ROCHA MARIA ESTER BRANDAN SIQUES Buenerd M. et al.	PHYSICS LETTERS B	1983
182	$^{12}\text{C}-^{12}\text{C}$ total and reaction cross sections between 6 and 85 MeV/A from an optical-model analysis	MARIA ESTER BRANDAN SIQUES	Journal Of Physics G: Nuclear Physics	1983
183	Nuclear rainbow scattering in $\text{C}^{12}-\text{C}^{12}$ above 160 MeV	MARIA ESTER BRANDAN SIQUES	PHYSICAL REVIEW LETTERS	1982
184	Friction and geometry in O^{16} -induced reactions	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA	PHYSICAL REVIEW C	1982
185	Unification for the angular distributions observed in O^{16} -induced reactions	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA	PHYSICAL REVIEW C	1981
186	$\text{C}^{12} + \text{C}^{12}$ reaction cross section between 70 and 290 MeV obtained from elastic Scattering	MARIA ESTER BRANDAN SIQUES Cole A.J. Rae W.D.M. et al.	PHYSICAL REVIEW LETTERS	1981
187	Total reaction cross section for $\text{O}^{16}-\text{C}^{12}$ at $E_{c.m.}=60, 93, \text{ and } 135 \text{ MeV}$	MARIA ESTER BRANDAN SIQUES ARTURO ALEJANDRO MENCHACA ROCHA	PHYSICAL REVIEW C	1981

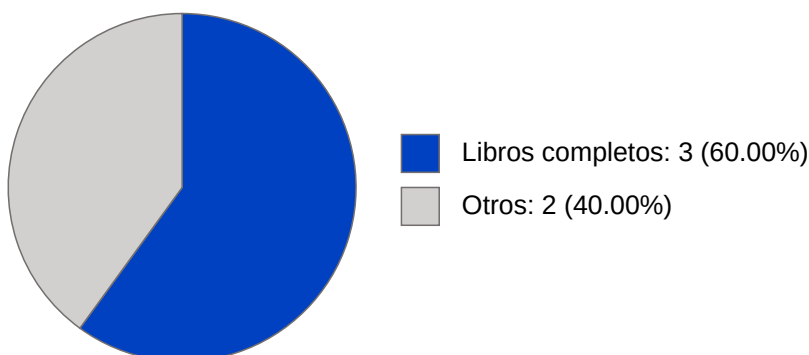
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188	A detector for the indirect measurement of LET distributions from irradiation with fast neutrons	MARIA ESTER BRANDAN SIQUES DeLuca Jr. P.M.	RADIATION RESEARCH	1980
189	Vector analyzing power and cross section for (d, t) and (d, 3He) reactions on ^{64}Zn at $E_d = 13$ MeV	MARIA ESTER BRANDAN SIQUES Haeberli W.	NUCLEAR PHYSICS A	1977
190	Tensor analyzing powers in $^{64}\text{Zn}(d, t)^{63}\text{Zn}$ and $^{64}\text{Zn}(d, 3\text{He})^{63}\text{Cu}$ at $E_d = 13$ MeV	MARIA ESTER BRANDAN SIQUES Haeberli W.	NUCLEAR PHYSICS A	1977
191	A test of p-4He phase shifts between 2 and 9 MeV	MARIA ESTER BRANDAN SIQUES Plattner G.R. Haeberli W.	NUCLEAR PHYSICS A	1976
192	A cooling system for thin tritiated titanium targets	MARIA ESTER BRANDAN SIQUES Morales J.R. Romero J.L.	Nuclear Instruments And Methods	1974

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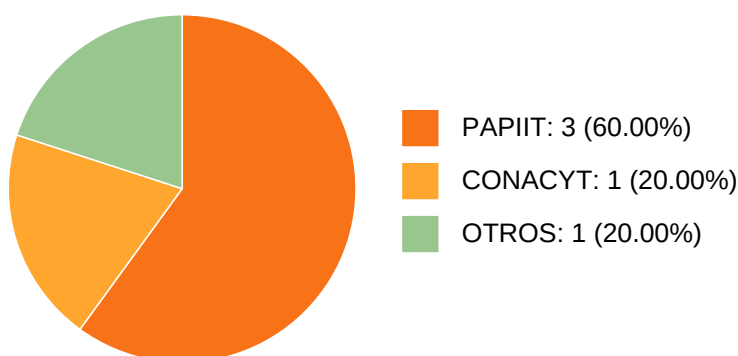


#	Título	Autores	Alcance	Año	ISBN
1	ELK: Enhanced Learning Through Cross-Modal Knowledge Transfer for Lesion Detection in Limited-Sample Contrast-Enhanced Mammography Datasets	RICARDO MONTOYA DEL ANGEL JORGE PATRICIO CASTILLO LOPEZ MARIA ESTER BRANDAN SIQUES et al.	Conferenc e Paper	2025	9783031777882
2	XIII Mexican Symposium on Medical Physics	MARIA ESTER BRANDAN SIQUES José de Jesús Bernal Alvarado Rafael Guzmán Cabrera	Libro Completo	2014	9780735412637
3	Roles and responsibilities, and education and training requirements for clinically qualified medical physicists	MARIA ESTER BRANDAN SIQUES	Libro Completo	2013	9789201420107
4	El físico médico: criterios y recomendaciones para su formación académica, entrenamiento clínico y certificación en américa latina	MARIA ESTER BRANDAN SIQUES M.E. Castellanos R. Alfonso et al.	Libro Completo	2010	9789203112093
5	Design and construction of a test phantom for screen/film mammography quality control	HECTOR ALEJANDRO GALVAN ESPINOZA VARLEN GRABSKI CESAR GUSTAVO RUIZ TREJO et al.	Proceedin gs Paper	2006	073540352X

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Estudios de dosimetría e imagen en procedimientos médicos de diagnóstico y terapia	MARIA ESTER BRANDAN SIQUES	Recursos PAPIIT	01-01-2016	31-12-2018
2	Análisis de angiogénesis en un modelo murino de lesiones y cáncer de la glándula mamaria mediante técnicas de rayos x, imagen molecular y marcadores biológicos.	MARIA ESTER BRANDAN SIQUES	Recursos CONACYT	18-07-2016	15-02-2020
3	Dosimetría y calidad de imagen en procedimientos médicos de diagnóstico y terapia.	MARIA ESTER BRANDAN SIQUES	Recursos PAPIIT	01-01-2019	31-12-2021
4	Imágenes radiológicas cuantitativas para la caracterización no invasiva del cáncer de mama.	MARIA ESTER BRANDAN SIQUES	Recursos CONAHCyT	20-10-2020	04-05-2024
5	Parámetros cuantitativos, calidad, y dosimetría de imágenes médicas	MARIA ESTER BRANDAN SIQUES	Recursos PAPIIT	01-01-2022	31-12-2024



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Reporte individual



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PARTICIPACIÓN EN TESIS

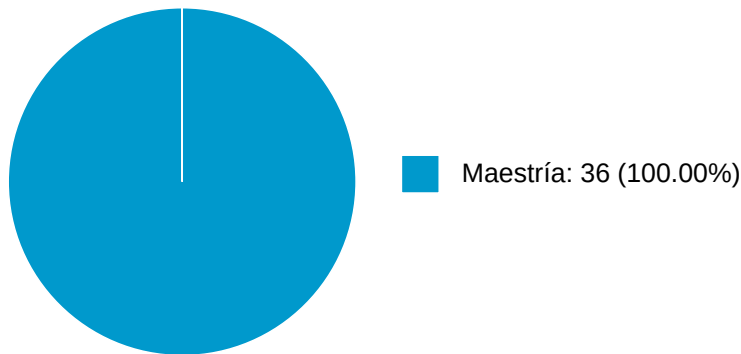
No se encuentran registros en la base de datos de TESIUNAM asociados a:

MARIA ESTER BRANDAN SIQUES

MARIA ESTER BRANDAN SIQUES

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	FÍSICA DE LA RADIOTERAPIA	Instituto de Física	6	2024-2
2	Maestría	FÍSICA DE LA RADIOTERAPIA	Instituto de Física	8	2023-2
3	Maestría	SEMINARIO DE INVESTIGACIÓN II	Instituto de Física	1	2022-2
4	Maestría	FÍSICA DE LA RADIOTERAPIA	Instituto de Física	10	2022-2
5	Maestría	SEMINARIO DE INVESTIGACIÓN I	Instituto de Física	1	2022-1
6	Maestría	FÍSICA DE LA RADIOTERAPIA	Instituto de Física	12	2021-2
7	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2020-2
8	Maestría	FÍSICA DE LA RADIOTERAPIA	Instituto de Física	8	2020-2
9	Maestría	SEMINARIO DE INVESTIGACIÓN II	Instituto de Física	1	2020-2
10	Maestría	SEMINARIO DE INVESTIGACIÓN I	Instituto de Física	2	2020-1
11	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2019-2
12	Maestría	FÍSICA EN MEDICINA	Instituto de Física	11	2019-2
13	Maestría	SEMINARIO DE INVESTIGACIÓN I	Instituto de Física	1	2019-1
14	Maestría	FISICA EN MEDICINA	Instituto de Física	10	2018-2
15	Maestría	FÍSICA EN MEDICINA	Instituto de Física	11	2017-2
16	Maestría	FISICA EN MEDICINA	Instituto de Física	8	2016-2
17	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2016-2
18	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	2	2016-1
19	Maestría	FISICA DE RADIACIONES Y DOSIMETRIA	Instituto de Física	10	2016-1
20	Maestría	FISICA EN MEDICINA	Instituto de Física	8	2015-2
21	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	3	2015-2
22	Maestría	FISICA EN MEDICINA	Instituto de Física	1	2015-1
23	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	2	2015-1
24	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2014-2

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25	Maestría	FISICA EN MEDICINA	Instituto de Física	9	2014-2
26	Maestría	FISICA EN MEDICINA	Instituto de Física	2	2014-2
27	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2014-1
28	Maestría	FISICA EN MEDICINA	Instituto de Física	9	2013-2
29	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2013-2
30	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2013-1
31	Maestría	FISICA EN MEDICINA	Instituto de Física	9	2012-2
32	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	2	2012-2
33	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	2	2012-1
34	Maestría	FISICA EN MEDICINA	Instituto de Física	11	2011-2
35	Maestría	FISICA EN MEDICINA	Instituto de Física	8	2010-2
36	Maestría	FISICA EN MEDICINA	Instituto de Física	8	2008-2



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



MARIA ESTER BRANDAN SIQUES

PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024