



## **EDUARDO ANDRADE IBARRA**

### **Datos Generales**

**Nombre:** EDUARDO ANDRADE IBARRA

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 59 años

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### **Nombramientos**

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

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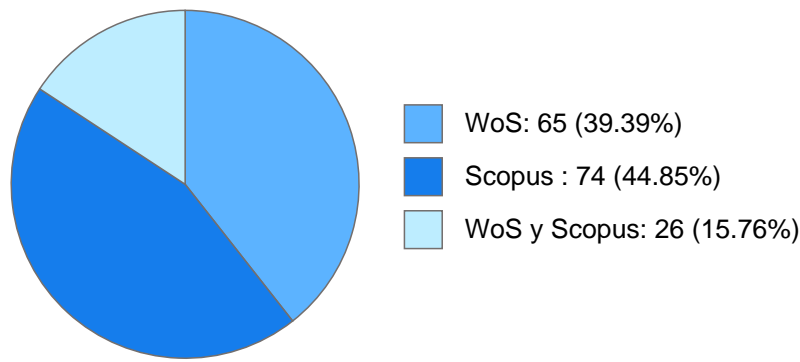
### **Estímulos, programas, premios y reconocimientos**

SNI Emérito 2022 - VIGENTE  
SNI III - 2021  
PRIDE C 2014 - 2024  
PRIDE Fijo 2014  
PRIDE C 2014  
PRIDE Fijo 2014  
PRIDE C 2012 - 2013  
PRIDE Fijo 2012  
PRIDE C 2012  
PRIDE Fijo 2012  
PRIDE D - 2012

**EDUARDO ANDRADE IBARRA**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



#	Título	Autores	Revista	Año
1	Elastic scattering of B 8 + Zr nat at the sub-barrier energy of 26.5 MeV	LUIS ARMANDO ACOSTA SANCHEZ EDUARDO ANDRADE IBARRA DAVID GODOS VALENCIA et al.	PHYSICAL REVIEW C	2024
2	Isotopically selected implanted targets for nuclear reaction studies	SINUHE SANDOVAL HIPOLITO EDUARDO ANDRADE IBARRA ARCADIO HUERTA HERNANDEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2024
3	Breakup of 8B+natZr at the sub-barrier energy of 26.5 MeV	LUIS ARMANDO ACOSTA SANCHEZ EDUARDO ANDRADE IBARRA DAVID GODOS VALENCIA et al.	EOS ANNUAL MEETING, EOSAM 2024	2024
4	Topological origin of flat bands as pseudo-Landau levels in uniaxial strained graphene nanoribbons and induced magnetic ordering due to electron-electron interactions	EDUARDO ANDRADE IBARRA GERARDO GARCIA NAUMIS López-Urías F.	PHYSICAL REVIEW B	2023

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5	Quasielastic scattering of Be 7 +natZr at sub- and near-barrier energies	LUIS ARMANDO ACOSTA SANCHEZ EDUARDO ANDRADE IBARRA DAVID GODOS VALENCIA et al.	PHYSICAL REVIEW C	2023
6	Monoisotopic targets production from atomic and molecular positive ion implantation in a tandem accelerator at low energies	JAVIER MAS RUIZ DANIEL JOSE MARIN LAMBARRI SINUHE SANDOVAL HIPOLITO et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2023
7	Accelerator Mass Spectrometry, an ultrasensitive tool to measure cross sections for stellar nucleosynthesis	EFRAIN RAFAEL CHAVEZ LOMELI VICTORIA ISABEL ARAUJO ESCALONA LUIS ARMANDO ACOSTA SANCHEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2022
8	Restoration of the radio frequency ion source of the 5.5 MV CN-Van de Graaff accelerator at IFUNAM	RAUL ESPEJEL PAZ ROBERTO JOSE RAUL GLEASON VILLAGRAN DANIEL JOSE MARIN LAMBARRI et al.	JOURNAL OF INSTRUMENTATI ON	2021
9	IBIC analysis of SiC detectors developed for fusion applications	EDUARDO ANDRADE IBARRA Jiménez-Ramos M.C. López J.G. et al.	RADIATION PHYSICS AND CHEMISTRY	2020
10	AMS cross-section measurement for the 28 Si(d, $\alpha$ ) 26 Al reaction near the Coulomb barrier	DANIEL JOSE MARIN LAMBARRI LUIS ARMANDO ACOSTA SANCHEZ EDUARDO ANDRADE IBARRA et al.	EUROPEAN PHYSICAL JOURNAL PLUS	2020
11	Perspectives for low energy reactions measurements at the new LEMA beam-line	LUIS ARMANDO ACOSTA SANCHEZ EFRAIN RAFAEL CHAVEZ LOMELI LIBERTAD BARRON PALOS et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2020
12	Study of C, Al, Si and Ge sputtering yield amplification by ion beam analysis and co-sputtering simulation software	JULIO CESAR CRUZ CARDENAS STEPHEN MUHL SAUNDERS EDUARDO ANDRADE IBARRA et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2019
13	Study of the Si-28(d,alpha)Al-26 nuclear reaction at low energies	VICTORIA ISABEL ARAUJO ESCALONA LUIS ARMANDO ACOSTA SANCHEZ EDUARDO ANDRADE IBARRA et al.	Physics Procedia	2017
14	Reaction production plus AMS: An alternative method to study low energy reactions. Al-26 as a testcase	LUIS ARMANDO ACOSTA SANCHEZ VICTORIA ISABEL ARAUJO ESCALONA EFRAIN RAFAEL CHAVEZ LOMELI et al.	EOS ANNUAL MEETING, EOSAM 2024	2017



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15	Adhesive and tribocorrosive behavior of TiAlPtN/TiAlN/TiAl multilayers sputtered coatings over CoCrMo	EDUARDO ANDRADE IBARRA Canto, C.E. Rocha, M.F. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2017
16	Calibration of an analyzing magnet using the C-12(d, p(0))C-13 nuclear reaction with a thick carbon target	EDUARDO ANDRADE IBARRA Canto, C.E. Rocha, M.F.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2017
17	Ion beam analysis and co-sputtering simulation (CO-SS) of bi-metal films produced by magnetron co-sputtering	EDUARDO ANDRADE IBARRA STEPHEN MUHL SAUNDERS CARLOS EDUARDO CANTO ESCAMILLA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2016
18	IBA analysis and corrosion resistance of TiAlPtN/TiAlN/TiAl multilayer films deposited over a CoCrMo using magnetron sputtering	EDUARDO ANDRADE IBARRA OSCAR GENARO DE LUCIO MORALES CORINA SOLIS ROSALES et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2016

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19	14C content in aerosols in Mexico City	CORINA SOLIS ROSALES EFRAIN RAFAEL CHAVEZ LOMELI EDUARDO ANDRADE IBARRA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2016
20	The Si-28(d,alpha) reaction	VICTORIA ISABEL ARAUJO ESCALONA LUIS ARMANDO ACOSTA SANCHEZ EDUARDO ANDRADE IBARRA et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2016
21	The effect of C content on the mechanical properties of Ti-Zr coatings	EDUARDO ANDRADE IBARRA CLAUDIA ELISA CANTO MAYA RodriguezHernandez, M. G. et al.	JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS	2015
22	New supersonic gas jet target for low energy nuclear reaction studies	JOSE FRANCISCO FAVELA PEREZ L. Acosta EDUARDO ANDRADE IBARRA et al.	PHYSICAL REVIEW SPECIAL TOPICS-ACCELE RATORS AND BEAMS	2015
23	Progress in the characterization of the gas jet target at IFUNAM	JOSE FRANCISCO FAVELA PEREZ EFRAIN RAFAEL CHAVEZ LOMELI OSCAR GENARO DE LUCIO MORALES et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2015
24	AMS-C14 analysis of graphite obtained with an Automated Graphitization Equipment (AGE III) from aerosol collected on quartz filters	CORINA SOLIS ROSALES EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2015
25	26Al production: The Allende meteorite (Chihuahua) stellar nucleosynthesis and solar models	VICTORIA ISABEL ARAUJO ESCALONA EDUARDO ANDRADE IBARRA LIBERTAD BARRON PALOS et al.	AIP Conference Proceedings	2015

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26	Tagged fast neutron beams en > 6MeV	JOSE FRANCISCO FAVELA PEREZ ARCADIO HUERTA HERNANDEZ OSCAR GENARO DE LUCIO MORALES et al.	AIP Conference Proceedings	2015
27	Nuclear physics experiments with a windowless supersonic gas jet target	JOSE FRANCISCO FAVELA PEREZ EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2014
28	Radiocarbon dating and compositional analysis of pre-Columbian human bones	EDUARDO ANDRADE IBARRA CORINA SOLIS ROSALES CLAUDIA ELISA CANTO MAYA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2014
29	Ion Beam Analysis, structure and corrosion studies of nc-TiN/ $\alpha$ -Si <sub>3</sub> N <sub>4</sub> nanocomposite coatings deposited by sputtering on AISI 316L	CLAUDIA ELISA CANTO MAYA EDUARDO ANDRADE IBARRA CORINA SOLIS ROSALES et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2014
30	Ion beam analysis, corrosion resistance and nanomechanical properties of TiAlCN/CN <sub>x</sub> multilayer grown by reactive magnetron sputtering	C. Canto EDUARDO ANDRADE IBARRA OSCAR GENARO DE LUCIO MORALES et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2014

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31	A new AMS facility in Mexico	CORINA SOLIS ROSALES EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2014
32	Visible and near infra-red luminescent emission from Y <sub>2</sub> O <sub>3</sub> :Er <sup>3+</sup> films co-doped with Li <sup>+</sup> and their elemental composition by ion beam analysis	C. Canto EDUARDO ANDRADE IBARRA OSCAR GENARO DE LUCIO MORALES et al.	CERAMICS INTERNATIONAL	2014
33	Supersonic gas Jet target for nuclear physics experiments	JOSE FRANCISCO FAVELA PEREZ EFRAIN RAFAEL CHAVEZ LOMELI EDUARDO ANDRADE IBARRA et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2013
34	Tillandsia usneoides L, a biomonitor in the determination of Ce, La and Sm by neutron activation analysis in an industrial corridor in Central Mexico	CORINA SOLIS ROSALES MIGUEL ANGEL MARTINEZ CARRILLO EDUARDO ANDRADE IBARRA et al.	APPLIED RADIATION AND ISOTOPES	2012
35	Capture of air particulate matter and gaseous Hg-0 by ionic liquids analyzed by PIXE	MIGUEL ANGEL MARTINEZ CARRILLO CORINA SOLIS ROSALES EDUARDO ANDRADE IBARRA et al.	REVISTA MEXICANA DE FISICA	2012
36	Ion beam analysis of sputtered AlN films	EDUARDO ANDRADE IBARRA STEPHEN MUHL SAUNDERS Mahmood, Arshad et al.	CURRENT APPLIED PHYSICS	2011
37	Metal/protein ratio determination in the Rhodobacter capsulatus cytoplasmic pyrophosphatase enzyme by particle induced X-ray emission	CORINA SOLIS ROSALES HELIODORO CELIS SANDOVAL IRMA ROMERO ALVAREZ et al.	JOURNAL OF MICROBIOLOGIC AL METHODS	2011
38	Ion beam analysis of partial lithium extraction of LiMn <sub>2</sub> O <sub>4</sub> by chemical delithiation	EDUARDO ANDRADE IBARRA ARACELI ROMERO NUÑEZ ALEJANDRO IBARRA PALOS et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2011

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39	Ionic liquids as passive monitors of an atmosphere rich in mercury	FERNANDO JAVIER MARTINEZ MENDOZA CORINA SOLIS ROSALES EDUARDO ANDRADE IBARRA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2011
40	Atmospheric elemental concentration determined by Particle-Induced X-ray Emission at Tlaxcoapan in central Mexico, and its relation to Tula industrial-corridor emissions	MIGUEL ANGEL MARTINEZ CARRILLO CORINA SOLIS ROSALES EDUARDO ANDRADE IBARRA et al.	MICROCHEMICA L JOURNAL	2010
41	Ion Beam Analysis of zeolites type Li-ABW synthesized by hydrothermal method	EDUARDO ANDRADE IBARRA OSCAR GENARO DE LUCIO MORALES CORINA SOLIS ROSALES et al.	REVISTA MEXICANA DE FISICA	2010
42	Aerosol composition from Tlaxcoapan, Hidalgo in central Mexico	MIGUEL ANGEL MARTINEZ CARRILLO CORINA SOLIS ROSALES EDUARDO ANDRADE IBARRA et al.	REVISTA MEXICANA DE FISICA	2010
43	Ion beam analysis of high pressure deposition of epitaxial PZT thin films	EDUARDO ANDRADE IBARRA OSCAR GENARO DE LUCIO MORALES CORINA SOLIS ROSALES et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2010
44	PIXE analysis of Tillandsia usneoides for air pollution studies at an industrial zone in Central Mexico	MIGUEL ANGEL MARTINEZ CARRILLO CORINA SOLIS ROSALES EDUARDO ANDRADE IBARRA et al.	MICROCHEMICA L JOURNAL	2010
45	Fractionation analysis of trace metals in humic substances of soils irrigated with wastewater in Central Mexico by particle induced X-ray emission	IVAN EMMANUEL REYES SOLIS CORINA SOLIS ROSALES K. Isaac Olive et al.	MICROCHEMICA L JOURNAL	2009
46	Iba of zeolites exchanged with lithium for Co 2 retention	EDUARDO ANDRADE IBARRA CORINA SOLIS ROSALES JOSE ORTEGA CRUZ et al.	AIP Conference Proceedings	2009



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47	Optimum design for reinforced concrete pavement by parallel finite element code	EDUARDO ANDRADE IBARRA Martins C.J. Silva R.R. et al.	Wit Transactions On The Built Environment	2009
48	IBA of ZrO <sub>2</sub> : Yb/Si thin films produced by the spray pyrolysis method	EDUARDO ANDRADE IBARRA E. B. Ramirez JUAN CARLOS ALONSO HUITRON et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2008
49	Effect of substrate bias voltage on corrosion of TiN/Ti multilayers deposited by magnetron sputtering	RAUL ESCAMILLA GUERRERO EDUARDO ANDRADE IBARRA STEPHEN MUHL SAUNDERS et al.	APPLIED SURFACE SCIENCE	2007
50	Concentration and depth profiles of elements in SixNyHz/Si thin films produced by PECVD	EDUARDO ANDRADE IBARRA JUAN CARLOS ALONSO HUITRON LUIS ARMANDO ACOSTA SANCHEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2006
51	IBA analysis of some precolumbian gilded-copper samples	EDUARDO ANDRADE IBARRA LUIS ARMANDO ACOSTA SANCHEZ Murillo G. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2005

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52	Distribution of heavy metals in plants cultivated with wastewater irrigated soils during different periods of time	CORINA SOLIS ROSALES EDUARDO ANDRADE IBARRA Mireles A. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2005
53	The influence of the period size on the corrosion and the wear abrasion resistance of TiN/Ti multilayers	STEPHEN MUHL SAUNDERS EDUARDO ANDRADE IBARRA Flores M. et al.	SURFACE & COATINGS TECHNOLOGY	2005
54	Swelling and volume changes of polyaniline upon redox switching	EDUARDO ANDRADE IBARRA Lizarraga L. Molina F.V.	JOURNAL OF ELECTROANALYTICAL CHEMISTRY	2004
55	$\alpha$ -Fe <sub>2</sub> O <sub>3</sub> films grown by the spin-on sol-gel deposition method	EDUARDO ANDRADE IBARRA Avila-García A. Carbajal-Franco G. et al.	REVISTA MEXICANA DE FISICA	2003
56	Spray pyrolysis deposition and characterization of titanium oxide thin films	JUAN CARLOS ALONSO HUITRON EDUARDO ANDRADE IBARRA JOSE MANUEL SANIGER BLESÁ et al.	MATERIALS CHEMISTRY AND PHYSICS	2003
57	Ion beam analysis of SiC <sub>x</sub> thin films using a deuterium beam	EDUARDO ANDRADE IBARRA STEPHEN MUHL SAUNDERS Mahmood A. et al.	SURFACE & COATINGS TECHNOLOGY	2002
58	Intrinsically formed trivalent titanium ions in sol-gel titania	EDUARDO ADALBERTO MUÑOZ PICONE JOSE LUIS BOLDU OLAIZOLA EDUARDO ANDRADE IBARRA et al.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2001
59	Influence of Al, In, Cu, Fe and Sn dopants in the microstructure of zinc oxide thin films obtained by spray pyrolysis	EDUARDO ANDRADE IBARRA Paraguay D. F. Morales J. et al.	Thin Solid Films	2000
60	The role of hydrogen in the formation of porous structures in silicon	EDUARDO ANDRADE IBARRA Parkhutik V.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	1999
61	Non-destructive determination of diffusion coefficients of Al-Fe alloys by Rutherford backscattering spectrometry	LUIS MIGUEL APATIGA CASTRO EDUARDO ANDRADE IBARRA VICTOR MANUEL CASTAÑO MENESES et al.	J MATER SCI LETT	1999

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62	IBA analysis of a possible therapeutic ancient tooth inlay	EDUARDO ANDRADE IBARRA Pineda J.C. Zavala E.P. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1998
63	Analysis of Mexican obsidians by IBA techniques	EDUARDO ANDRADE IBARRA Murillo G. Policroniades R. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1998
64	Photoluminescence from thin porous films of silicon carbide	EDUARDO ANDRADE IBARRA Parkhutik V.P. Namavar F.	Thin Solid Films	1997
65	Adhesion of colloidal hematite onto metallic surfaces I. Capacitive and counting measurements on silver and mercury	EDUARDO ANDRADE IBARRA Molina Fernando Víctor Posadas Dionisio	JOURNAL OF COLLOID AND INTERFACE SCIENCE	1994
66	Adhesion of colloidal hematite onto metallic surfaces II. Influence of electrode potential, pH, ionic strength, colloid concentration, and nature of the electrolyte on the adhesion on mercury	EDUARDO ANDRADE IBARRA Molina Fernando Víctor Gordillo Gabriel Jorge et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	1994
67	NdF3 thin films grown on carbon substrates and analyzed by RBS, PIXE, RNRA, SEM and X-ray diffraction	ALICIA MARIA OLIVER Y GUTIERREZ JOSE LUIS RUVALCABA SIL EDUARDO ANDRADE IBARRA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993

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68	A direct approach to analyzing Rutherford backscattering spectra	KARO MICHAELIAN PAUW EDUARDO ANDRADE IBARRA	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993
69	Ion beam analysis at the University of Mexico	EDUARDO ANDRADE IBARRA	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1991
70	Measurement of $d^{++n}$ at intermediate energy	EDUARDO ANDRADE IBARRA Pancella P.V. Mutchler G.S. et al.	PHYSICAL REVIEW C	1988
71	Trace element concentrations in tree rings as indicators of environmental pollution	EDUARDO ANDRADE IBARRA Valkovic V. Rendic D. et al.	ENVIRONMENT INTERNATIONAL	1979
72	Mechanisms in $d + {}^6\text{Li}$ three-body reactions at low bombarding energies	EDUARDO ANDRADE IBARRA Miljanic D. Hudomalj-Gabitzsch J. et al.	NUCLEAR PHYSICS A	1977
73	Quasi-free contributions in the $d + {}^6\text{Li}$ reactions at low energies	EDUARDO ANDRADE IBARRA Miljanic D. Hudomalj J. et al.	PHYSICS LETTERS B	1974
74	Charged particle mass identification by energy-time-of-flight technique	EDUARDO ANDRADE IBARRA Rendic D. Otte V.A. et al.	Nuclear Instruments And Methods	1973
75	Angular distributions of quasi-free scattering contributions in deuteron break-up by protons and deuterons	EDUARDO ANDRADE IBARRA Valkovic V. Rendic D. et al.	NUCLEAR PHYSICS A	1972
76	Nuclear-deuteron quasifree scattering in the reaction $d+d \rightarrow d+p+n$ at low bombarding energies	EDUARDO ANDRADE IBARRA Valkovic V. Duck I.M. et al.	PHYSICAL REVIEW C	1971



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



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**LIBROS Y CAPITULOS CON ISBN**

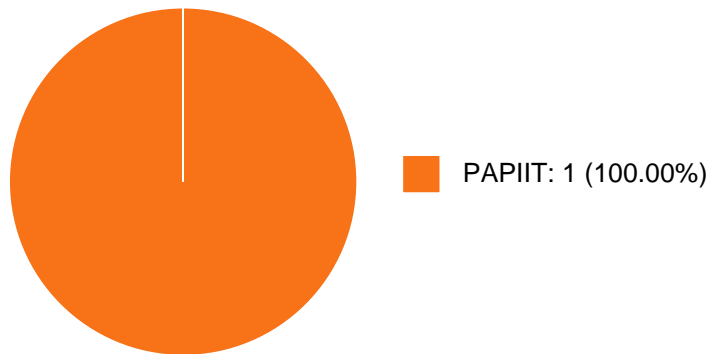
**No se encuentran registros en la base de datos de Humanindex asociados a:**

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**PARTICIPACIÓN EN PROYECTOS**

**Histórico de participación en proyectos**

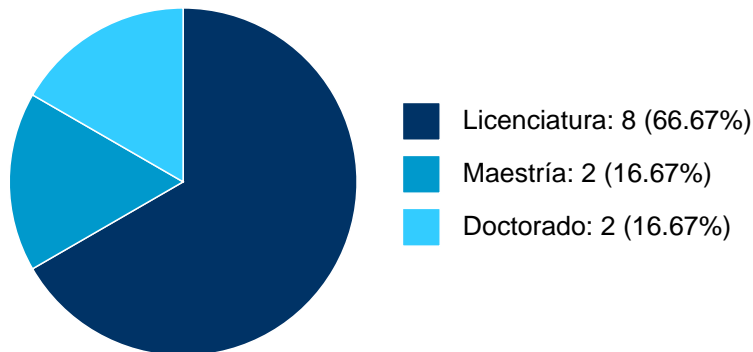


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Estructura de Núcleos ligeros y astrofísica nuclear utilizando haces de Deuterio de baja energía.	EFRAIN RAFAEL CHAVEZ LOMELI EDUARDO ANDRADE IBARRA	Recursos PAPIIT	01-01-2020	31-12-2022

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### PARTICIPACIÓN EN TESIS

#### Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Caracterización y uso de haces de iones en el (LEMA)	Tesis de Licenciatura	EDUARDO ANDRADE IBARRA,	Reza Martínez, Guadalupe,	Instituto de Física,	2019
2	Estudio de la variación del rendimiento de la pulverización catódica para la formación de películas delgadas metálicas y bimetálicas	Tesis de Doctorado	EDUARDO ANDRADE IBARRA,	STEPHEN MUHL SAUNDERS, Cruz Cárdenas, Julio César,	Instituto de Física, Instituto de Investigaciones en Materiales,	2017
3	Producción y caracterización de películas de TiAlPtN, fabricadas mediante la técnica de erosión catódica asistida por plasmas sobre sustratos de CoCrMo y su posible uso como bio - materiales	Tesis de Doctorado	EDUARDO ANDRADE IBARRA,	Canto Escamilla, Carlos Eduardo,	Instituto de Física,	2016
4	Síntesis y simulación de la preparación de películas basadas en aluminio y titanio depositadas por Sputtering con magnetron	Tesis de Maestría	EDUARDO ANDRADE IBARRA,	Cruz Cárdenas, Julio César,	Instituto de Física,	2012

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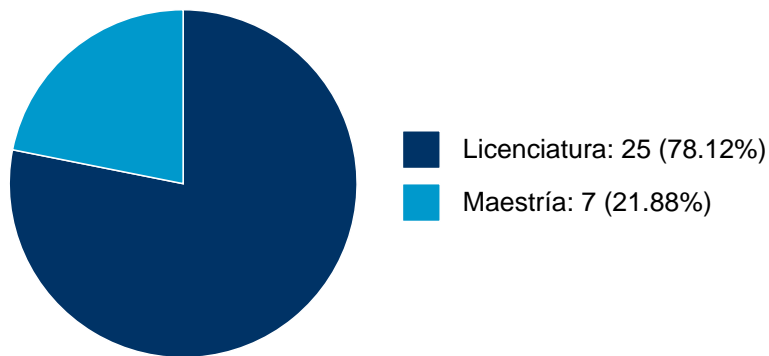
5	Caracterización elemental de zeolitas usando técnicas analíticas de origen nuclear	Tesis de Licenciatura	EDUARDO ANDRADE IBARRA,	Cruz Cárdenas, Julio César,	Instituto de Física,	2008
6	Composicion elemental de películas SixNyHz/Si producidas con tecnicas de plasmas utilizando un acelerador de particulas	Tesis de Licenciatura	EDUARDO ANDRADE IBARRA,	Acosta Sánchez, Luis Armando,		2004
7	Uso de reacciones nucleares producidas por el bombardeo de un haz de deuterio para el análisis de multicapas de TiN/Ti/Acero	Tesis de Licenciatura	EDUARDO ANDRADE IBARRA,	Arellano Riesgo, Alejandro,		2002
8	Preparacion y caracterizacion de películas delgadas de óxido de cobalto y óxido de titanio	Tesis de Maestría	EDUARDO ANDRADE IBARRA,	Mena Delgadillo, José Jesus,		1999
9	Estudio de la composición de la superficie reflejante de vidrios comerciales por medio de retrodispersion de iones	Tesis de Licenciatura	EDUARDO ANDRADE IBARRA,	Pineda Santamaría, J. C.,		1997
10	Un modelo para explicar el espectro de radiación bremsstrahlung en un acelerador de iones positivos	Tesis de Licenciatura	EDUARDO ANDRADE IBARRA,	Castaneda Rodriguez, Mauricio,		1992
11	Microanálisis cuantitativo por espectroscopia de rayos X inducidos con protones	Tesis de Licenciatura	EDUARDO ANDRADE IBARRA,	Cruz Tapia Carapia, María de la Luz,		1976
12	Empleo de la técnica de coincidencias en experimentos nucleares	Tesis de Licenciatura	EDUARDO ANDRADE IBARRA,	Morales Mori, Alejandro,		1973



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### DOCENCIA IMPARTIDA

#### Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	11	2024-2
2	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	19	2024-1
3	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	20	2023-2
4	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	21	2023-1
5	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	15	2022-1
6	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	7	2021-2
7	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	4	2021-1
8	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	6	2020-2
9	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	4	2019-1
10	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	12	2018-2
11	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	9	2018-1
12	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	10	2017-2
13	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	5	2017-1
14	Maestría	TEMAS SELECTOS DE MATERIALES CERAMICOS-393677	Instituto de Investigaciones en Materiales	1	2017-1
15	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	5	2016-2
16	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	10	2016-1
17	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	6	2015-2
18	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	6	2015-1
19	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	2	2014-2

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20	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	3	2014-1
21	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	8	2014-1
22	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	2	2013-2
23	Maestría	TECNICAS ESPECTROSCOPICAS Y TERMICAS	Instituto de Investigaciones en Materiales	4	2013-1
24	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	4	2013-1
25	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	7	2012-2
26	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2012-1
27	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2011-2
28	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	10	2011-2
29	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	4	2011-1
30	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	8	2009-2
31	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	7	2009-1
32	Licenciatura	INTRODUC.A LA FISICA NUCLEAR	Facultad de Ciencias	8	2008-2



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



**EDUARDO ANDRADE IBARRA**

**PATENTES**

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

**EDUARDO ANDRADE IBARRA**

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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