



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



ROBERTO MACHORRO MEJIA

Datos Generales

Nombre: ROBERTO MACHORRO MEJIA

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 38 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
Centro de Nanociencias y Nanotecnología en la UNAM
Desde 16-09-2024

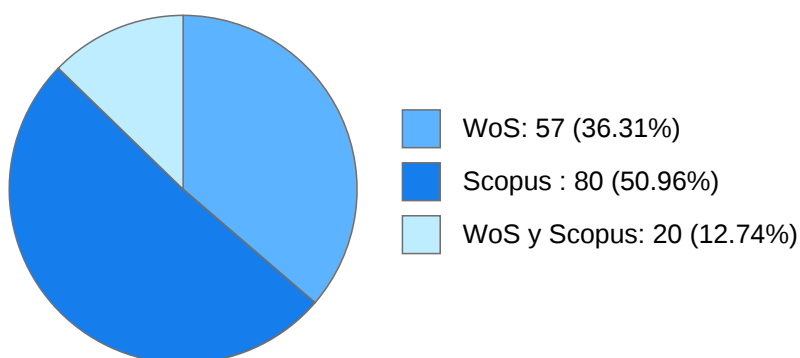
Estímulos, programas, premios y reconocimientos

SNI III 2011 - VIGENTE
SNI II - 2009
PRIDE C - 2024

ROBERTO MACHORRO MEJIA

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Plasma emission spectroscopy and optical properties of reactive-sputtered silicon oxynitride films	NOEMI ABUNDIZ CISNEROS ROBERTO SANGINES DE CASTRO JUAN AGUILA MUÑOZ et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2024
2	Analysis of pulsed direct current reactive magnetron sputtering on a silicon target	ESTRELLA TERAN HINOJOSA ROBERTO SANGINES DE CASTRO NOEMI ABUNDIZ CISNEROS et al.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	2024
3	Carbon Quantum Dot Optical Properties for potential infiltration into Hollow Core Photonic Crystal Fibers	MARIA GUADALUPE MORENO ARMENTA ROBERTO MACHORRO MEJIA AMELIA OLIVAS SARABIA et al.	PARTICLE & PARTICLE SYSTEMS CHARACTERIZATION	2023
4	Study of deposition parameters of reactive-sputtered Si3N4 thin films by optical emission spectroscopy	ROBERTO SANGINES DE CASTRO NOEMI ABUNDIZ CISNEROS JUAN AGUILA MUÑOZ et al.	Thin Solid Films	2022
5	Plasma optical emission spectroscopy as a tool to monitor TiNx deposition via reactive magnetron sputtering	ITAYEE HITZEL SIERRA CRUZ ROBERTO SANGINES DE CASTRO ROBERTO MACHORRO MEJIA et al.	MATERIALS LETTERS	2021

ROBERTO MACHORRO MEJIA

6	Si sputtering yield amplification: a study of the collisions cascade and species in the sputtering plasma	JULIO CESAR CRUZ CARDENAS ROBERTO SANGINES DE CASTRO STEPHEN MUHL SAUNDERS et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2021
7	Efecto de la temperatura del sustrato en la rugosidad e índice de refracción en el visible e infrarrojo cercano de películas delgadas de nitruro de tantalio	ROBERTO MACHORRO MEJIA Torres-Muro H.A. Talledo-Coronado A. et al.	MOMENTO-REVI STA DE FISICA	2020
8	Novel Low-E filter for architectural glass pane	ROBERTO SANGINES DE CASTRO ROBERTO MACHORRO MEJIA Abundiz-Cisneros N. et al.	ENERGY AND BUILDINGS	2020
9	Non-quarter-wave dielectric mirror prepared by thermal atomic layer deposition	HUGO ALEJANDRO BORBON NUÑEZ NOEMI ABUNDIZ CISNEROS ROBERTO MACHORRO MEJIA et al.	OPTICS AND LASER TECHNOLOGY	2020
10	Modeling the thickness distribution of silicon oxide thin films grown by reactive magnetron sputtering	JULIO CESAR CRUZ CARDENAS ROBERTO SANGINES DE CASTRO NOEMI ABUNDIZ CISNEROS et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2019
11	Electrical properties and spectroscopic ellipsometry studies of covellite CuS thin films deposited from non ammoniacal chemical bath	ROBERTO MACHORRO MEJIA Diliegros-Godines C.J. Lombardero-Juarez D.I. et al.	OPTICAL MATERIALS	2019
12	Cleaning level of the target before deposition by reactive direct current magnetron sputtering	ROBERTO SANGINES DE CASTRO ROBERTO MACHORRO MEJIA O. Hernandez Utrera et al.	Thin Solid Films	2018
13	Plasma emission spectroscopy and its relation to the refractive index of silicon nitride thin films deposited by reactive magnetron sputtering	ROBERTO SANGINES DE CASTRO ROBERTO MACHORRO MEJIA N. Abundiz-Cisneros et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2018
14	Structural and electrical characterization of multilayer Al ₂ O ₃ /ZnO nanolaminates grown by atomic layer deposition	DAVID ALEJANDRO DOMINGUEZ VARGAS EDUARDO ANTONIO MURILLO BRACAMONTES ROBERTO MACHORRO MEJIA et al.	MATERIALS SCIENCE IN SEMICONDUCT OR PROCESSING	2017
15	Influence of the bilayer thickness on the optical properties of Al ₂ O ₃ -Y ₂ O ₃ dielectric nanolaminate films grown by thermal atomic layer deposition	FELIPE FRANCISCO CASTILLON BARRAZA ROBERTO MACHORRO MEJIA MARIO HUMBERTO FARIAS SANCHEZ et al.	MATERIALS RESEARCH BULLETIN	2017
16	Al ₂ O ₃ -Y ₂ O ₃ ultrathin multilayer stacks grown by atomic layer deposition as perspective for optical waveguides applications	ROBERTO MACHORRO MEJIA MARIO HUMBERTO FARIAS SANCHEZ HUGO JESUS TIZNADO VAZQUEZ et al.	OPTICAL MATERIALS	2017

ROBERTO MACHORRO MEJIA

17	Refractive index and bandgap variation in Al ₂ O ₃ -ZnO ultrathin multilayers prepared by atomic layer deposition	FELIPE FRANCISCO CASTILLON BARRAZA ROBERTO MACHORRO MEJIA MARIO HUMBERTO FARIAS SANCHEZ et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2017
18	Plasmon spectra of binary Ag-Cu mixtures supported in mordenite	CATALINA LOPEZ BASTIDAS ELENA SMOLENTSEVA VITALI PETRANOVSKI AFANASIEVNA et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2016
19	Silver Nanoparticles by Laser Ablation Confined in Alcohol Using an Argon Gas Environment	ROBERTO MACHORRO MEJIA Oseguera Galindo, David Omar Hernandez Utrera, Oscar et al.	JOURNAL OF LASER MICRO NANOENGINEERING	2016
20	Silver nanoparticles synthesized by laser ablation confined in urea choline chloride deep-eutectic solvent	ROBERTO MACHORRO MEJIA NINA BOGDANCHIKOVA JOSUE DAVID MOTA MORALES et al.	COLLOID AND INTERFACE SCIENCE COMMUNICATIONS	2016
21	Thickness effect on the optical and morphological properties in Al ₂ O ₃ /ZnO nanolaminate thin films prepared by atomic layer deposition	DAVID ALEJANDRO DOMINGUEZ VARGAS EDUARDO ANTONIO MURILLO BRACAMONTES FELIPE FRANCISCO CASTILLON BARRAZA et al.	SUPERLATTICES AND MICROSTRUCTURES	2016
22	Optical spectra of noble metal nanoparticles supported on zeolites	CATALINA LOPEZ BASTIDAS ELENA SMOLENTSEVA ROBERTO MACHORRO MEJIA et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2014
23	Multiferroic properties and magnetoelectric coupling in highly textured Pb(Fe _{0.5} Nb _{0.5})O ₃ thin films obtained by RF sputtering	OSCAR RAYMOND HERRERA Mario Curiel ROBERTO MACHORRO MEJIA et al.	ACTA MATERIALIA	2014
24	Plasmon resonance of gold nanoparticles supported on Y-zeolite in the presence of various co-cations	ELENA SMOLENTSEVA CATALINA LOPEZ BASTIDAS VITALI PETRANOVSKI AFANASIEVNA et al.	APPLIED SURFACE SCIENCE	2014
25	Pulsed-bed atomic layer deposition setup for powder coating	HUGO JESUS TIZNADO VAZQUEZ DAVID ALEJANDRO DOMINGUEZ VARGAS F. Munoz Munoz et al.	POWDER TECHNOLOGY	2014

ROBERTO MACHORRO MEJIA

26	Optical spectroscopy and spectroscopic ellipsometry as a monitor for thin film growth by dc magnetron sputtering	ROBERTO MACHORRO MEJIA Abundiz-Cisneros, N. Perez-Garcia, A. et al.	JOURNAL OF APPLIED PHYSICS	2013
27	TEM and spectroscopic ellipsometry studies of multilayer gate dielectrics containing crystalline and amorphous Si nanoclusters	D. Mateos M. A. Curiel ROBERTO MACHORRO MEJIA et al.	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	2013
28	Plasmon Features of Coinage Metal Nanoparticles Supported on Zeolites	CATALINA LOPEZ BASTIDAS ELENA SMOLENTSEVA VITALI PETRANOVSKI AFANASIEVNA et al.	Plasmonics	2013
29	Optical response of Cu clusters in zeolite template	CATALINA LOPEZ BASTIDAS VITALI PETRANOVSKI AFANASIEVNA ROBERTO MACHORRO MEJIA	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2012
30	Ferroelectricity, ferromagnetism, and magnetoelectric coupling in highly textured thin films of the multiferroic $\text{Pb}(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$	OSCAR RAYMOND HERRERA ROBERTO MACHORRO MEJIA JESUS MARIA SIQUEIROS BELTRONES et al.	Materials Research Society Symposium Proceedings	2012
31	TiO_2 and Al_2O_3 ultra thin nanolaminates growth by ALD; instrument automation and films characterization	HUGO JESUS TIZNADO VAZQUEZ DAVID ALEJANDRO DOMINGUEZ VARGAS WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	REVISTA MEXICANA DE FISICA	2012
32	Optical spectroscopy as a monitor of thin film growth in sputtering	ROBERTO MACHORRO MEJIA Abundiz N. Perez A. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2011
33	Influence of thermal annealing on the properties of sputtered Si rich silicon oxide films	ROBERTO MACHORRO MEJIA Manolov E. Curiel M. et al.	Solid State Phenomena	2010
34	Model of the discharge voltage of the deposit ZrO_x by reactive ion erosion	VICTOR JULIAN GARCIA GRADILLA GERARDO SOTO HERRERA ROBERTO MACHORRO MEJIA et al.	REVISTA MEXICANA DE FISICA	2009
35	Characterization of AlN thin films fabricated by reactive dc sputtering: Experimental measurements and hückel calculations	DONALD HOMERO GALVAN MARTINEZ ROBERTO MACHORRO MEJIA García-Méndez M. et al.	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	2009

ROBERTO MACHORRO MEJIA

36	Correlation between optical characterization of the plasma in reactive magnetron sputtering deposition of Zr-N on SS 316L and surface and mechanical properties of the deposited	A. Fragiél ROBERTO MACHORRO MEJIA LEONEL SUSANO COTA ARAIZA et al.	APPLIED SURFACE SCIENCE	2008
37	Optical properties of Zr and ZrO(2) films deposited by laser ablation	L. O. Prieto Lopez ROBERTO MACHORRO MEJIA WENCEL JOSE DE LA CRUZ HERNANDEZ et al.	MICROELECTRONICS J	2008
38	How does it sound? Young interferometry using sound waves	ROBERTO MACHORRO MEJIA ENRIQUE CUAUHTEMOC SAMANO TIRADO	PHYSICS TEACHER	2008
39	Stoichiometry monitor in plasma assisted deposition using optical spectroscopy	OSCAR RAYMOND HERRERA ROBERTO MACHORRO MEJIA Salinas J. et al.	Optics InfoBase Conference Papers	2007
40	Surface and optical analysis of SiCx films prepared by RF-RMS technique	STEPHEN MUHL SAUNDERS ROBERTO MACHORRO MEJIA JESUS LEONARDO HEIRAS AGUIRRE et al.	DIAMOND AND RELATED MATERIALS	2006
41	Multi-wavelength images detector for micro-cathodoluminescence analysis	ISRAEL GRADILLA MARTINEZ ROBERTO MACHORRO MEJIA MIGUEL AVALOS BORJA et al.	REVISTA MEXICANA DE FISICA	2006
42	Optimal control on composition and optical properties of silicon oxynitride thin films	ENRIQUE CUAUHTEMOC SAMANO TIRADO ROBERTO MACHORRO MEJIA Camacho J.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	2005
43	Density and temperature maps of an aluminium plasma produced by laser ablation	JOAQUIN IGNACIO AGUSTIN BOHIGAS BOSCH ROBERTO MACHORRO MEJIA Pérez-Tijerina E.	REVISTA MEXICANA DE FISICA	2005
44	Spectroscopic observation and ab initio simulation of copper clusters in zeolites	VITALI PETRANOVSKI AFANASIEVNA ROBERTO MACHORRO MEJIA Gurin V.	CATALYSIS TODAY	2005
45	Optical appearance of copper clusters and nanoparticles in zeolites	VITALI PETRANOVSKI AFANASIEVNA ROBERTO MACHORRO MEJIA Gurin V. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2004
46	Wide-field spectroscopy for optical characterization of the pulsed laser deposition plume	ROBERTO MACHORRO MEJIA JOAQUIN IGNACIO AGUSTIN BOHIGAS BOSCH Pérez-Tijerina E.	REVIEW OF SCIENTIFIC INSTRUMENTS	2004

ROBERTO MACHORRO MEJIA

47	Growth of beryllium nitride films by pulsed laser deposition; dielectric function determination	GERARDO SOTO HERRERA ROBERTO MACHORRO MEJIA JESUS ANTONIO DIAZ HERNANDEZ et al.	Thin Solid Films	2003
48	Optical and surface analysis of DC-reactive sputtered AlN films	ROBERTO MACHORRO MEJIA STEPHEN MUHL SAUNDERS JESUS LEONARDO HEIRAS AGUIRRE et al.	DIAMOND AND RELATED MATERIALS	2003
49	Characterization of tungsten oxide films produced by reactive pulsed laser deposition	GERARDO SOTO HERRERA WENCEL JOSE DE LA CRUZ HERNANDEZ JESUS ANTONIO DIAZ HERNANDEZ et al.	APPLIED SURFACE SCIENCE	2003
50	Tungsten nitride films grown via pulsed laser deposition studied in situ by electron spectroscopies	GERARDO SOTO HERRERA WENCEL JOSE DE LA CRUZ HERNANDEZ FELIPE FRANCISCO CASTILLON BARRAZA et al.	APPLIED SURFACE SCIENCE	2003
51	Beryllium nitride thin film grown by reactive laser ablation	GERARDO SOTO HERRERA JESUS ANTONIO DIAZ HERNANDEZ ROBERTO MACHORRO MEJIA et al.	MATERIALS LETTERS	2002
52	Density and temperature sensitive line ratios in plasmas generated by laser ablation	JOAQUIN IGNACIO AGUSTIN BOHIGAS BOSCH ROBERTO MACHORRO MEJIA Pérez-Tijerina E.	JOURNAL OF APPLIED PHYSICS	2001
53	Study of composition and bonding character of CNx films	GERARDO SOTO HERRERA ENRIQUE CUAUHEMOC SAMANO TIRADO ROBERTO MACHORRO MEJIA et al.	APPLIED SURFACE SCIENCE	2001
54	Modification of refractive index in silicon oxynitride films during deposition	ROBERTO MACHORRO MEJIA ENRIQUE CUAUHEMOC SAMANO TIRADO GERARDO SOTO HERRERA et al.	MATERIALS LETTERS	2000
55	Piezoelectricity and aging effects in the PMN-PT system	JESUS MARIA SIQUEIROS BELTRONES ROBERTO MACHORRO MEJIA GUSTAVO ALONSO HIRATA FLORES et al.	Ferroelectrics	1999
56	Characterization of Pt thin films deposited by DC sputtering at different temperatures on Ti/glass and TiO ₂ /Si substrates	JESUS MARIA SIQUEIROS BELTRONES JOSE OCTAVIO VALENZUELA TIJERINO ROBERTO MACHORRO MEJIA et al.	Ferroelectrics	1999
57	Electropolishing of Zinalco and characterization of resulting surface	LEONEL SUSANO COTA ARAIZA ROBERTO MACHORRO MEJIA Guerrero R.	SURFACE ENGINEERING	1999
58	Stability of silver clusters in mordenites with different SiO ₂ /Al ₂ O ₃ molar ratio	NINA BOGDANCHIKOVA ROBERTO MACHORRO MEJIA P. Petranovskii V. et al.	APPLIED SURFACE SCIENCE	1999
59	In situ ellipsometric characterization of SiNx films grown by laser ablation	ENRIQUE CUAUHEMOC SAMANO TIRADO ROBERTO MACHORRO MEJIA GERARDO SOTO HERRERA et al.	JOURNAL OF APPLIED PHYSICS	1998

ROBERTO MACHORRO MEJIA

60	Interference in far-field radiation of two contra-propagating surface plasmon polaritons in the kretschmann configuration	MUFEI XIAO WU ROBERTO MACHORRO MEJIA JESUS MARIA SIQUEIROS BELTRONES	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	1998
61	Growth of SiC and SiC _x N _y films by pulsed laser ablation of SiC in Ar and N ₂ environments	GERARDO SOTO HERRERA ENRIQUE CUAUHEMOC SAMANO TIRADO ROBERTO MACHORRO MEJIA et al.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	1998
62	Effects of background gas-plume interaction in the deposition of SiN _x films	ENRIQUE CUAUHEMOC SAMANO TIRADO ROBERTO MACHORRO MEJIA GERARDO SOTO HERRERA et al.	APPLIED SURFACE SCIENCE	1998
63	SiC _x N _y , thin films alloys prepared by pulsed excimer laser deposition	ROBERTO MACHORRO MEJIA ENRIQUE CUAUHEMOC SAMANO TIRADO GERARDO SOTO HERRERA et al.	APPLIED SURFACE SCIENCE	1998
64	Subwavelength resolution in far field microscopy without near field probe	MUFEI XIAO WU ROBERTO MACHORRO MEJIA	Optik	1998
65	Refractive index modification during deposition of silicon oxynitride films prepared by reactive laser ablation	ROBERTO MACHORRO MEJIA GERARDO SOTO HERRERA ENRIQUE CUAUHEMOC SAMANO TIRADO et al.	Materials Research Society Symposium Proceedings	1998
66	Obtention of a non stoichiometric PMN-PT ferroelectric system	JESUS MARIA SIQUEIROS BELTRONES ROBERTO MACHORRO MEJIA GUSTAVO ALONSO HIRATA FLORES et al.	REVISTA MEXICANA DE FISICA	1998
67	Characterization of excess Si in nonstoichiometric SiO ₂ films by optical and surface analysis techniques	JESUS MARIA SIQUEIROS BELTRONES ROBERTO MACHORRO MEJIA LEONEL SUSANO COTA ARAIZA et al.	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	1997
68	Dielectric properties of the La ³⁺ doped Sr _{0.3-3y/2} La _y Ba _{0.7} Nb ₂ O ₆ ceramic system	JESUS MARIA SIQUEIROS BELTRONES ROBERTO MACHORRO MEJIA Guerrero F. et al.	SOLID STATE COMMUNICATIONS	1997
69	Ellipsometric study of the Cu/V/mica system	JESUS MARIA SIQUEIROS BELTRONES ROBERTO MACHORRO MEJIA Wang S.	REVISTA MEXICANA DE FISICA	1997
70	Microstructural identification of SiN _x films by real-time ellipsometry	GERARDO SOTO HERRERA ENRIQUE CUAUHEMOC SAMANO TIRADO ROBERTO MACHORRO MEJIA et al.	Materials Research Society Symposium Proceedings	1997

ROBERTO MACHORRO MEJIA

71	Fabrication of probe tips for reflection scanning near-field optical microscopes: Chemical etching and heating-pulling methods	MUFEI XIAO WU ROBERTO MACHORRO MEJIA JESUS MARIA SIQUEIROS BELTRONES et al.	J VAC SCI TECHNOL B	1997
72	Surface plasmons on nonlocal corrugated interface	ROBERTO MACHORRO MEJIA Wang S. Siquoiros J.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1996
73	Rugate absorbing thin films and the 2×2 inhomogeneous matrix	ROBERTO MACHORRO MEJIA Villa F. Martínez A.	APPLIED OPTICS	1995
74	Optical properties of Mg, from UV to IR, using ellipsometry and reflectometry	ROBERTO MACHORRO MEJIA JESUS MARIA SIQUEIROS BELTRONES Wang S.	Thin Solid Films	1995
75	Nonlocal effects on the optical response of a rough surface	ROBERTO MACHORRO MEJIA Wang S. Siqueiros J.	OPTICS COMMUNICATIONS	1995
76	Determination of (nk) for absorbing thin films using reflectance measurements	JESUS MARIA SIQUEIROS BELTRONES ROBERTO MACHORRO MEJIA Regalado, L.E.	APPLIED OPTICS	1988
77	Determination of the optical constants of mgf2 and zns from spectrophotometric measurements and the classical oscillator method	JESUS MARIA SIQUEIROS BELTRONES ROBERTO MACHORRO MEJIA Regalado, L.E.	APPLIED OPTICS	1988
78	Repeatability estimate of interference optical filters using thin films process modeling	ROBERTO MACHORRO MEJIA	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1988
79	A New Parameter in the ATR Technique for Optical Constants Determination	ROBERTO MACHORRO MEJIA Regalado L.E. Machorro R.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1987

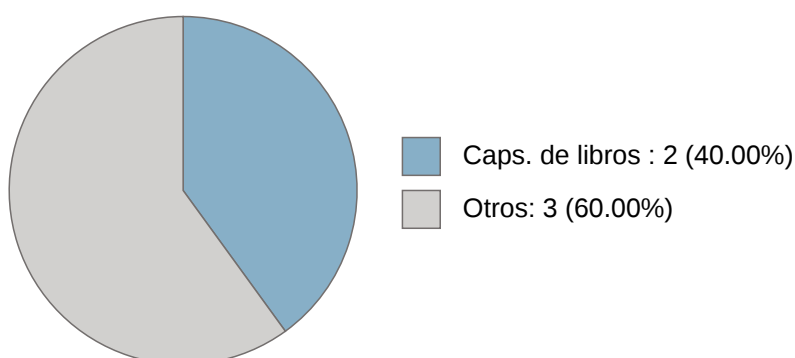
ROBERTO MACHORRO MEJIA

80	PROCESS MODELING WITH INHOMOGENEOUS THIN FILMS.	ROBERTO MACHORRO MEJIA Macleod H.A. Jacobson M.R.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	1986
81	Dip-coating method for fabricating thin photoresist films	ROBERTO MACHORRO MEJIA Gibson M. Frejlich J.	Thin Solid Films	1985

ROBERTO MACHORRO MEJIA

LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

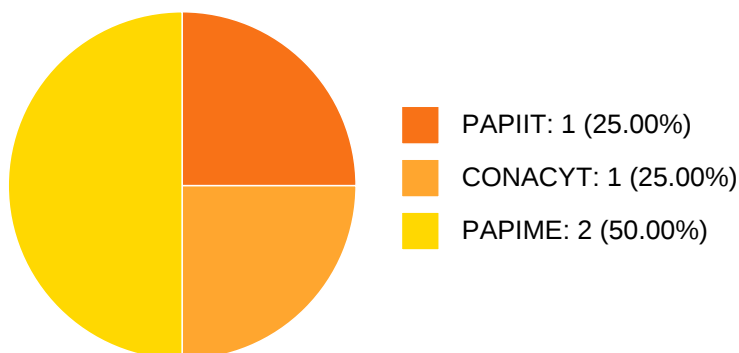


#	Título	Autores	Alcance	Año	ISBN
1	Investigating the Modulation of Spectral Properties on a Multilayer Thermochromic Coating for Selective Urban Heat Island Mitigation	ULISES JESUS TAMAYO PEREZ ROBERTO MACHORRO MEJIA Morales-Inzunza S. et al.	Conferencia Paper	2025	9789819783045
2	Analysis of the Influence of the Spectral Response for Rugate Filters by Modifying the Frequency Domain	ROBERTO MACHORRO MEJIA Villa-Flores E.	Conferencia Paper	2022	9781557528209
3	Plasma emission spectroscopy related to the optical properties of silicon oxynitride films for inhomogeneous filters	RAMON RODRIGUEZ LOPEZ NOEMI ABUNDIZ CISNEROS ROBERTO SANGINES DE CASTRO et al.	Conferencia Paper	2022	9781557528209
4	¿Que hace la luz en espacios de tamaño nanométrico?	JESUS ALBERTO MAYTORENA CORDOVA CATALINA LOPEZ BASTIDAS ROBERTO MACHORRO MEJIA	Capítulo de un Libro	2016	9786070281440
5	¿Como funcionan las peliculas antirreflectoras en las camaras fotograficas y los binoculares?	ROBERTO MACHORRO MEJIA	Capítulo de un Libro	2016	9786070281440

ROBERTO MACHORRO MEJIA

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Filtro interferencial de baja emisividad para vidrio plano	ROBERTO MACHORRO MEJIA	Recursos PAPIIT	01-01-2017	31-12-2019
2	Diseño y fabricación de filtros interferenciales inhomogéneos.	ROBERTO MACHORRO MEJIA	Recursos CONACYT	14-10-2016	13-10-2019
3	Experimentos de física en escuelas primarias rurales	ROBERTO MACHORRO MEJIA	Recursos PAPIME	01-02-2018	31-12-2018
4	Experimentos de física en escuelas primarias rurales	ROBERTO MACHORRO MEJIA	Recursos PAPIME	01-01-2018	31-12-2020



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



ROBERTO MACHORRO MEJIA

PARTICIPACIÓN EN TESIS

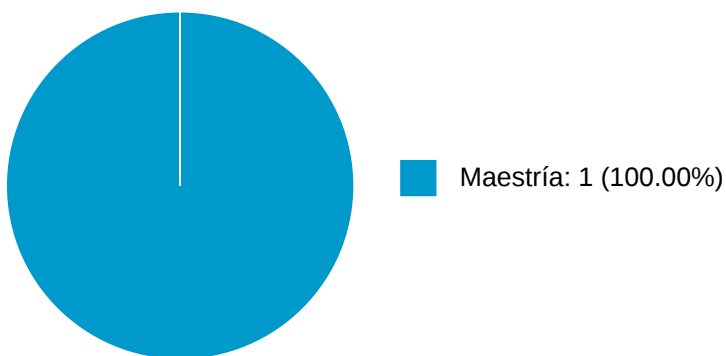
No se encuentran registros en la base de datos de TESIUNAM asociados a:

ROBERTO MACHORRO MEJIA

ROBERTO MACHORRO MEJIA

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	LABORATORIO AVANZADO	Centro de Nanociencias y Nanotecnología en la UNAM	1	2011-1



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



ROBERTO MACHORRO MEJIA

PATENTES

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

ROBERTO MACHORRO MEJIA

ROBERTO MACHORRO MEJIA

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