JUAN CARLOS CHEANG WONG

Datos Generales

Nombre: JUAN CARLOS CHEANG WONG

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 32 años

Nombramientos

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

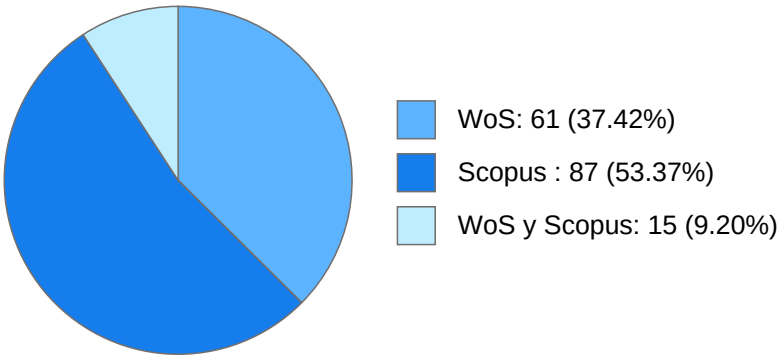
Estímulos, programas, premios y reconocimientos

SNI III 2015 - 2023
SNI II 2009 - 2014
SNI I 2008
PRIDE C 2017 - 2022
PRIDE D - 2017
PASPA Estancias Sabáticas 2008 - 2009

JUAN CARLOS CHEANG WONG

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Formation of optical planar waveguides on fused quartz by MeV ion implantation	JOSE MIGUEL ZARATE REYES ERICK FLORES ROMERO LUIS RODRIGUEZ FERNANDEZ et al.	IET OPTOELECTRONICS	2024
2	Modified nanosphere lithography: application to the fabrication of ordered arrays of gold nanopyramids	CARMEN CECILIA SALINAS FUENTES JUAN CARLOS CHEANG WONG Hernández-Zanabria A. et al.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2024
3	Erratum to: Tuning the aspect ratio of silver nanospheroids embedded in silica(Optics Letters (2010) 35 (703) DOI: 10.1364/OL.35.000703)	OVIDIO YORDANIS PEÑA RODRIGUEZ LUIS RODRIGUEZ FERNANDEZ JUAN CARLOS CHEANG WONG et al.	OPTICS LETTERS	2023
4	Systematic preparation of high-quality colloidal silica particles by sol?gel synthesis using reagents at low temperature	JOSE MIGUEL ZARATE REYES ERICK FLORES ROMERO JUAN CARLOS CHEANG WONG	International Journal of Applied Glass Science	2022
5	Optical characterization of nanostructured beta - FeSi2 layers obtained by Fe+ implantation	JUAN CARLOS CHEANG WONG Cecilia Salinas-Fuentes Angelica Hernandez-Zanabria et al.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2021

JUAN CARLOS CHEANG WONG

6	Third-order nonlinear optical response of ion-implanted embedded arrays of plasmonic gold nanoparticles	JOSE MIGUEL ZARATE REYES OSWALDO SANCHEZ DENA ERICK FLORES ROMERO et al.	OPTICAL MATERIALS	2021
7	Superlinear Photoluminescence by Ultrafast Laser Pulses in Dielectric Matrices with Metal Nanoclusters	JHOVANI ENRIQUE BORNACELLI CAMARGO CARLOS TORRES TORRES HECTOR GABRIEL SILVA PEREYRA et al.	SCIENTIFIC REPORTS	2019
8	Fabrication and characterization of surface- enhanced Raman scattering substrates with ordered arrays of gold nanopyramids by means of nanosphere lithography	CECILIA MARICELA SALINAS RAMOS ERIKA RODRIGUEZ SEVILLA ERICK FLORES ROMERO et al.	MATERIALS EXPRESS	2019
9	Coupling effects and ultrafast third-order nonlinear optical behavior in ion-implanted silicon quantum dots and platinum nanoclusters	JHOVANI ENRIQUE BORNACELLI CAMARGO CARLOS TORRES TORRES HECTOR GABRIEL SILVA PEREYRA et al.	OPTICAL MATERIALS	2019
10	Silver films over silica microspheres (AgFOSM) as SERS substrates	ERICK FLORES ROMERO JUAN CARLOS CHEANG WONG Rodríguez-Sevilla E.	PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS	2018
11	Photothermally Activated Two-Photon Absorption in Ion-Implanted Silicon Quantum Dots in Silica Plates	JHOVANI ENRIQUE BORNACELLI CAMARGO JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF NANOMATERIALS	2018
12	Coexistence of two-photon absorption and saturable absorption in ion-implanted platinum nanoparticles in silica plates	CARLOS TORRES TORRES JHOVANI ENRIQUE BORNACELLI CAMARGO LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS	2018
13	Nanoscale influence on photoluminescence and third order nonlinear susceptibility exhibited by ion-implanted Pt nanoparticles in silica	JHOVANI ENRIQUE BORNACELLI CAMARGO LUIS RODRIGUEZ FERNANDEZ MIGUEL AVALOS BORJA et al.	METHODS AND APPLICATIONS IN FLUORESCENCE	2017
14	Structured strengthening by two-wave optical ablation in silica with gold nanoparticles	CARLOS TORRES TORRES JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	OPTICS AND LASER TECHNOLOGY	2015

JUAN CARLOS CHEANG WONG

15	Ion-beam modification of colloidal silica particle masks to tailor the size of ordered arrays of Ag nanostructures produced by nanosphere lithography	CARMEN CECILIA SALINAS FUENTES OCTAVIO GRANIEL TAMAYO LUZ MARIA LOPEZ MARIN et al.	Materials Research Society Symposium Proceedings	2014
16	Enhancement and quenching of photoluminescence from silicon quantum dots by silver nanoparticles in a totally integrated configuration	ABDELLAH BENAMI ALEJANDRA LOPEZ SUAREZ LUIS RODRIGUEZ FERNANDEZ et al.	AIP ADVANCES	2012
17	Chemical spray pyrolysis deposited fluorine-doped zinc oxide thin films: Effect of acetic acid content in the starting solution on the physical properties	JUAN CARLOS CHEANG WONG Castaneda, L. Maldonado, A. et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2012
18	On the physical contributions to the third-order nonlinear optical response in plasmonic nanocomposites	ROBERTO CARLOS FERNANDEZ HERNANDEZ ROBERTO JOSE RAUL GLEASON VILLAGRAN LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF OPTICS	2012
19	Tunable nanometer electrode gaps by MeV ion irradiation	JUAN CARLOS CHEANG WONG Narumi K. Schürmann G.M. et al.	APPLIED PHYSICS LETTERS	2012
20	Enhancement of the optical Kerr effect exhibited by an integrated configuration of silicon quantum dots and silver nanoparticles	ALEJANDRA LOPEZ SUAREZ CARLOS TORRES TORRES JORGE ALEJANDRO REYES ESQUEDA et al.	GIREP CONFERENCE 2022 - EFFECTIVE LEARNING IN PHYSICS FROM CONTEMPORARY PHYSICS TO REMOTE SETTINGS	2011
21	Nonlinear optical spectroscopy of isotropic and anisotropic metallic nanocomposites	ROBERTO CARLOS FERNANDEZ HERNANDEZ ROBERTO JOSE RAUL GLEASON VILLAGRAN CARLOS TORRES TORRES et al.	GIREP CONFERENCE 2022 - EFFECTIVE LEARNING IN PHYSICS FROM CONTEMPORARY PHYSICS TO REMOTE SETTINGS	2011

JUAN CARLOS CHEANG WONG

22	Femto-, pico- and nano-second refractive nonlinearities exhibited by Au nanoparticles	CARLOS TORRES TORRES JORGE ALEJANDRO REYES ESQUEDA JUAN CARLOS CHEANG WONG et al.	Proceedings of SPIE	2011
23	Ultrafast optical phase modulation with metallic nanoparticles in ion-implanted bilayer silica	L. Tamayo Rivera HECTOR GABRIEL SILVA PEREYRA JORGE ALEJANDRO REYES ESQUEDA et al.	Nanotechnology	2011
24	Elongated gold nanoparticles obtained by ion implantation in silica: Characterization and Simulations T-matrix	V. Rodriguez Iglesias HECTOR GABRIEL SILVA PEREYRA LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2010
25	Tuning the aspect ratio of silver nanospheroids embedded in silica	V. Rodriguez Iglesias HECTOR GABRIEL SILVA PEREYRA LUIS RODRIGUEZ FERNANDEZ et al.	OPTICS LETTERS	2010
26	High stability of the crystalline configuration of Au nanoparticles embedded in silica under ion and electron irradiation	HECTOR GABRIEL SILVA PEREYRA JESUS ANGEL ARENAS ALATORRE LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF NANOPARTICLE RESEARCH	2010
27	Ablation and optical third-order nonlinearities in Ag nanoparticles	JORGE ALEJANDRO REYES ESQUEDA LUIS RODRIGUEZ FERNANDEZ ALEJANDRO CRESPO SOSA et al.	INTERNATIONAL JOURNAL OF NANOMEDICINE	2010
28	Formation of Au-Ag core-shell nanostructures in silica matrix by sequential ion implantation	LUIS RODRIGUEZ FERNANDEZ HECTOR GABRIEL SILVA PEREYRA Vladimir Rodriguez Iglesias et al.	JOURNAL OF PHYSICAL CHEMISTRY C	2009
29	Determination of the size distribution of metallic nanoparticles by optical extinction spectroscopy	Ovidio Pena LUIS RODRIGUEZ FERNANDEZ Vladimir Rodriguez Iglesias et al.	APPLIED OPTICS	2009
30	Anisotropy in the nonlinear absorption of elongated silver nanoparticles in silica, probed by femtosecond pulses	LUIS RODRIGUEZ FERNANDEZ JUAN CARLOS CHEANG WONG ALEJANDRO CRESPO SOSA et al.	OPTICS COMMUNICATIONS	2009
31	Dynamic annealing study of SiC epilayers implanted with Ni ions at different temperatures	JUAN CARLOS CHEANG WONG Garcia Lopez, J. Morilla, Y. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2009
32	Anisotropic linear and nonlinear optical properties from anisotropy-controlled metallic nanocomposites	JORGE ALEJANDRO REYES ESQUEDA Vladimir Rodriguez Iglesias HECTOR GABRIEL SILVA PEREYRA et al.	OPTICS EXPRESS	2009

JUAN CARLOS CHEANG WONG

33	Large and anisotropic third-order nonlinear optical response from anisotropy-controlled metallic nanocomposites	V. Rodriguez Iglesias HECTOR GABRIEL SILVA PEREYRA JORGE ALEJANDRO REYES ESQUEDA et al.	OPTICS COMMUNICATIONS	2009
34	Energy-dependent Deformation of Colloidal Silica Nanoparticles under Room Temperature Irradiation with MeV Si Ions	JUAN CARLOS CHEANG WONG Ulises Morales Eder Resendiz et al.	JOURNAL OF NANO RESEARCH	2009
35	GISAXS size distribution characterization of Cu nanoparticles embedded in silica	OVIDIO YORDANIS PEÑA RODRIGUEZ LUIS RODRIGUEZ FERNANDEZ ALEJANDRO CRESPO SOSA et al.	AIP Conference Proceedings	2009
36	Synthesis and characterization of colloidal titania nanoparticles	JUAN CARLOS CHEANG WONG Díaz-Fonseca A.-L.	Materials Research Society Symposium Proceedings	2008
37	Shape deformation of colloidal titania nanoparticles by means of ion irradiation	JUAN CARLOS CHEANG WONG Díaz-Fonseca A.-L.	Materials Research Society Symposium Proceedings	2008
38	Large optical birefringence by anisotropic silver nanocomposites	JORGE ALEJANDRO REYES ESQUEDA CARLOS TORRES TORRES JUAN CARLOS CHEANG WONG et al.	OPTICS EXPRESS	2008
39	MeV Si ion irradiation effects on the optical absorption properties of metallic nanoparticles embedded in silica	V. Rodriguez Iglesias HECTOR GABRIEL SILVA PEREYRA JUAN CARLOS CHEANG WONG et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2008

JUAN CARLOS CHEANG WONG

40	Dependence of the MeV ion-induced deformation of colloidal silica particles on the irradiation angle	JUAN CARLOS CHEANG WONG U. Morales E. Resendiz et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2008
41	Optical third-order nonlinearity by nanosecond and picosecond pulses in Cu nanoparticles in ion-implanted silica	CARLOS TORRES TORRES JORGE ALEJANDRO REYES ESQUEDA JUAN CARLOS CHEANG WONG et al.	JOURNAL OF APPLIED PHYSICS	2008
42	Metal and metal oxide nanoparticles produced by ion implantation in silica: A microstructural study using HRTEM	OVIDIO YORDANIS PEÑA RODRIGUEZ JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2007
43	Formation of nanometer-scale structures in SiO2 thin films by means of MeV-ion irradiation	JUAN CARLOS CHEANG WONG	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2007
44	Composition and morphological characteristics of chemically sprayed fluorine-doped zinc oxide thin films deposited on Si(1 0 0)	LUIS CASTAÑEDA AVIÑA JUAN CARLOS CHEANG WONG MAURICIO TERRONES MALDONADO et al.	PHYSICA B-CONDENSED MATTER	2007
45	Fluorine content of SiOF films as determined by IR spectroscopy and resonant nuclear reaction analysis	JUAN CARLOS ALONSO HUITRON JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	2007
46	Deformation of colloidal silica particles using MeV Si ion irradiation	JUAN CARLOS CHEANG WONG ALICIA MARIA OLIVER Y GUTIERREZ LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2007
47	Influence of indium concentration and substrate temperature on the physical characteristics of chemically sprayed ZnO:In thin films deposited from zinc pentanedionate and indium sulfate	LUIS CASTAÑEDA AVIÑA OMAR GUILLERMO MORALES SAAVEDRA JUAN CARLOS CHEANG WONG et al.	JOURNAL OF PHYSICS-CONDENSED MATTER	2006

JUAN CARLOS CHEANG WONG

48	MeV ion beam deformation of colloidal silica particles	JUAN CARLOS CHEANG WONG ALICIA MARIA OLIVER Y GUTIERREZ LUIS RODRIGUEZ FERNANDEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2006
49	Controlled anisotropic deformation of Ag nanoparticles by Si ion irradiation	ALICIA MARIA OLIVER Y GUTIERREZ JORGE ALEJANDRO REYES ESQUEDA JUAN CARLOS CHEANG WONG et al.	PHYSICAL REVIEW B	2006
50	Characterization of nanocluster formation in Cu-implanted silica: Influence of the annealing atmosphere and the ion fluence	OVIDIO YORDANIS PEÑA RODRIGUEZ LUIS RODRIGUEZ FERNANDEZ JUAN CARLOS CHEANG WONG et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2006
51	Role of hydrogen on the deposition and properties of fluorinated silicon-nitride films prepared by inductively coupled plasma enhanced chemical vapor deposition using SiF4/N2H2 mixtures	GUILLERMO SANTANA RODRIGUEZ LUIS RODRIGUEZ FERNANDEZ JUAN CARLOS CHEANG WONG et al.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	2005
52	RBS-channeling and EPR studies of damage in 2 MeV Al2+-implanted 6H-SiC substrates	JUAN CARLOS CHEANG WONG Morilla Y. López J.G. et al.	Materials Science Forum	2005
53	Modification of the optical properties of Ag-implanted silica by annealing in two different atmospheres	ALICIA MARIA OLIVER Y GUTIERREZ EDUARDO ADALBERTO MUÑOZ PICONE LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF APPLIED PHYSICS	2004
54	Thermal spikes in Ag/Fe and Cu/Fe ion beam mixing	ALEJANDRO CRESPO SOSA JUAN CARLOS CHEANG WONG ALICIA MARIA OLIVER Y GUTIERREZ et al.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2003
55	RBS characterization of MgB2 superconducting films annealed ex situ and in situ	JUAN CARLOS CHEANG WONG Jergel M. Chromik ?. et al.	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	2003
56	High energy ion irradiation induced surface roughening in Ag and Cu films	ALEJANDRO CRESPO SOSA JUAN CARLOS CHEANG WONG ALICIA MARIA OLIVER Y GUTIERREZ et al.	APPLIED SURFACE SCIENCE	2003

JUAN CARLOS CHEANG WONG

57	Silicon nanocrystals and defects produced by silicon and silicon-and-gold implantation in silica	ALICIA MARIA OLIVER Y GUTIERREZ JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF APPLIED PHYSICS	2003
58	Metallic nanoparticle formation in ion-implanted silica after thermal annealing in reducing or oxidizing atmospheres	ALICIA MARIA OLIVER Y GUTIERREZ JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2002
59	Ion beam studies of Tl-based superconducting films prepared from fluorides	JUAN CARLOS CHEANG WONG JORGE EDUARDO RICKARDS CAMPBELL Jergel M. et al.	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	2001
60	Fluorinated-chlorinated SiO2 films prepared at low temperature by remote plasma-enhanced chemical-vapor deposition using mixtures of SiF4 and SiCl4	JUAN CARLOS ALONSO HUITRON LUIS RODRIGUEZ FERNANDEZ JUAN CARLOS CHEANG WONG et al.	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	2001
61	Optical properties of Ir2+-implanted silica glass	JUAN CARLOS CHEANG WONG ALICIA MARIA OLIVER Y GUTIERREZ LUIS RODRIGUEZ FERNANDEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2001
62	Study of the fluorine content in precursor and Tl-based thin films by resonant nuclear reaction method	JUAN CARLOS CHEANG WONG JORGE EDUARDO RICKARDS CAMPBELL Jergel Mi. et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	2001

JUAN CARLOS CHEANG WONG

63	Optical absorption and emission studies of 2 MeV Cu-implanted silica glass	ALICIA MARIA OLIVER Y GUTIERREZ JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2001
64	Relationship between the Ag depth profiles and nanoparticle formation in Ag-implanted silica	JUAN CARLOS CHEANG WONG ALICIA MARIA OLIVER Y GUTIERREZ LUIS RODRIGUEZ FERNANDEZ et al.	JOURNAL OF PHYSICS-CONDENSED MATTER	2001
65	RBS-channeling studies on damage production by MeV ion implantation in Si(111) wafers	JUAN CARLOS CHEANG WONG ALEJANDRO CRESPO SOSA ALICIA MARIA OLIVER Y GUTIERREZ	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2001
66	Dependence of the optical properties on the ion implanted depth profiles in fused quartz after a sequential implantation with Si and Au ions	JUAN CARLOS CHEANG WONG ALICIA MARIA OLIVER Y GUTIERREZ ALEJANDRO CRESPO SOSA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2000
67	E' and B2 center production in amorphous quartz by MeV Si and Au ion implantation	ALICIA MARIA OLIVER Y GUTIERREZ JUAN CARLOS CHEANG WONG ALEJANDRO CRESPO SOSA et al.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2000
68	Preparation and properties of precursor Ba-Ca-Cu-(O, F) thin films deposited from fluorides for superconducting Tl- and Hg-based films	JUAN CARLOS CHEANG WONG Chromik S. Jergel M. et al.	Thin Solid Films	2000

JUAN CARLOS CHEANG WONG

69	Effect of thermal annealing on the optical properties of high-energy Cu-implanted silica glass	LUIS RODRIGUEZ FERNANDEZ JUAN CARLOS CHEANG WONG Pal U. et al.	JOURNAL OF NON-CRYSTALLINE SOLIDS	2000
70	Rutherford backscattering analysis of Bi-based superconducting films	JUAN CARLOS CHEANG WONG Díaz-Valdés E. Jergel M. et al.	Thin Solid Films	2000
71	Study of the optical properties of fused quartz after a sequential implantation with Si and Au ions	ALICIA MARIA OLIVER Y GUTIERREZ JUAN CARLOS CHEANG WONG ALEJANDRO CRESPO SOSA et al.	APPLIED PHYSICS LETTERS	1998
72	Tl-based superconducting films prepared by spray pyrolysis and vacuum evaporation	JUAN CARLOS CHEANG WONG Jergel M. Chromik ?. et al.	J SUPERCOND	1998
73	Correlation between the Tl concentration depth profiles and the thallination time in Tl-Ba-Ca-Cu-O superconducting films	JUAN CARLOS CHEANG WONG Jergel M. Falcony C. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1998
74	Possibility of the existence of fully oxygenated superconducting YBaCuO films with a tetragonal structure	JUAN CARLOS CHEANG WONG García López J. Siejka J. et al.	REVISTA MEXICANA DE FISICA	1998
75	Ion beam analysis of HTc superconducting Tl-based films	JUAN CARLOS CHEANG WONG Jergel M. Conde-Gallardo A. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1997
76	Correlation between optical properties, composition, and deposition parameters in pulsed laser deposited LiNbO3 films	JUAN CARLOS CHEANG WONG Afonso C.N. Gonzalo J. et al.	APPLIED PHYSICS LETTERS	1995

JUAN CARLOS CHEANG WONG

77	Contribution of IBA techniques to the study of YBaCuO thin films with anomalous c-axis lattice parameter	JUAN CARLOS CHEANG WONG Garcia López J. Ortega C. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1994
78	High temperature "in situ" growth bu cathodic sputtering of fully oxygenated YBaCuO thin films	JUAN CARLOS CHEANG WONG García López J. Siejka J. et al.	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	1994
79	Combination of IBA techniques and Raman spectroscopy to study defects in 18O labelled YBaCuO thin films	JUAN CARLOS CHEANG WONG López J.G. Ortega C. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1994
80	Study of the relation between composition and physical properties of YBaCuO thin films using RBS, NRA, XRD, XAS and ?{variant}(T)	JUAN CARLOS CHEANG WONG Ortega C. Rochet F. et al.	APPLIED SURFACE SCIENCE	1993
81	Study of CuOy layers on Si and MgO by a combination of ion beam analysis (RBS/NRA), X-ray photoemission spectroscopy (XPS) and X-ray absorption spectroscopy (XAS)	JUAN CARLOS CHEANG WONG Ortega C. Siejka J. et al.	APPLIED SURFACE SCIENCE	1993
82	Study of oxygen content and of disorder in YBaCuO thin films with enlarged c-axis lattice parameter	JUAN CARLOS CHEANG WONG Ortega C. Siejka J. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	1993
83	Selective 18O labelling in a-axis oriented YBaCuO thin films	JUAN CARLOS CHEANG WONG Ortega C. Siejka J. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	1993
84	Laser deposition of copper oxide thin films: contrast with sputtering	JUAN CARLOS CHEANG WONG Ortiz C. Afonso C.N. et al.	APPLIED SURFACE SCIENCE	1992

JUAN CARLOS CHEANG WONG

85	Use of RBS and Raman spectroscopy to study oxygen mobility in YBaCuO thin films by 18O tracing experiments	JUAN CARLOS CHEANG WONG Ortega C. Siejka J. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1992
86	RBS analysis of thin amorphous YBaCuO films: comparison with direct determination of oxygen contents by NRA	JUAN CARLOS CHEANG WONG Jian L. Ortega C. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1992
87	Optimized relative oxygen content determination of oxides by simultaneous NRA and RBS, using a precision stoichiometry standard	JUAN CARLOS CHEANG WONG Amsel G. Ortega C. et al.	Memoires Et Etudes Scientifiques De La Revue De Metallurgie	1991

JUAN CARLOS CHEANG WONG

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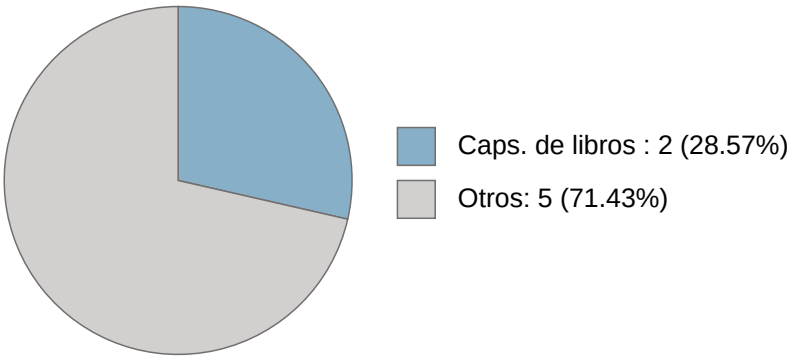


#	Título	Autores	Alcance	Año	ISBN
1	Ultraviolet self-diffraction effects exhibited by ion-implanted au nanoparticles in silica	CARLOS TORRES TORRES JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	Conference Paper	2017	9781557528209
2	Ultrafast third-order nonlinear ultraviolet response exhibited by ion-implanted silicon nanoparticles in silica	CARLOS TORRES TORRES JHOVANI ENRIQUE BORNACELLI CAMARGO JUAN CARLOS CHEANG WONG et al.	Conference Paper	2017	9781538621929
3	Ultrafast Third-Order Nonlinear Ultraviolet Response Exhibited by Ion-implanted Silicon Nanoparticles in Silica	CARLOS TORRES TORRES JHOVANI ENRIQUE BORNACELLI CAMARGO JUAN CARLOS CHEANG WONG et al.	Proceedings Paper	2017	9781538621929
4	Third-order nonlinear ultraviolet response of ion-implanted platinum nanoparticles in silica	JHOVANI ENRIQUE BORNACELLI CAMARGO CARLOS TORRES TORRES JUAN CARLOS CHEANG WONG et al.	Conference Paper	2016	9781943580163
5	Ion-implanted Au nanoparticles for encoding information in light	CARLOS TORRES TORRES JUAN CARLOS CHEANG WONG ALEJANDRO CRESPO SOSA et al.	Conference Paper	2016	9781138029361

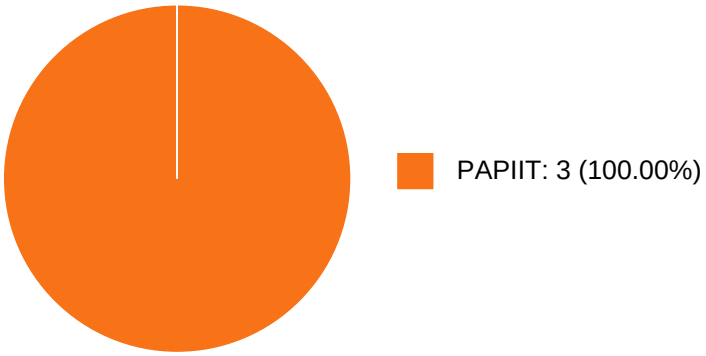
JUAN CARLOS CHEANG WONG

6	Ion-iomplanted Au nanoparticles for encoding information in light.	JUAN CARLOS CHEANG WONG	Capítulo de un Libro	2016	9781138029361
7	Linear and no linear optical properties of aligned elongated silver nanoparticles embedded in silica	JORGE ALEJANDRO REYES ESQUEDA ALICIA MARIA OLIVER Y GUTIERREZ LUIS RODRIGUEZ FERNANDEZ et al.	Capítulo de un Libro	2010	9789533070285

JUAN CARLOS CHEANG WONG

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

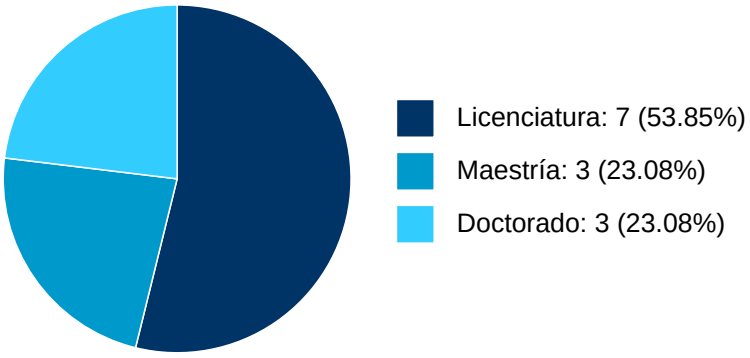


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Desarrollo de sustratos para espectroscopia Raman-SERS a partir de arreglos ordenados de nanopartículas metálicas	JUAN CARLOS CHEANG WONG	Recursos PAPIIT	01-01-2016	31-12-2018
2	Influencia de los efectos plasmónicos en arreglos ordenados de nanoestructuras metálicas desarrollados como sensores para espectroscopia Raman-SERS.	JUAN CARLOS CHEANG WONG	Recursos PAPIIT	01-01-2019	31-12-2021
3	Espectroscopía Raman-SERS en la detección de moléculas de interés para las áreas de salud y medio ambiente	JUAN CARLOS CHEANG WONG	Recursos PAPIIT	01-01-2023	31-12-2025

JUAN CARLOS CHEANG WONG

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Third-order nonlinear optical response of ion-implanted embedded arrays of plasmonic gold nanoparticles	Tesis de Doctorado	JUAN CARLOS CHEANG WONG,	Zárate Reyes, José Miguel,	Instituto de Física,	2021
2	Estudio de los modos vibracionales activos en raman de las perovskitas yfeo3 y bifeo3 en función de la temperatura	Tesis de Licenciatura	JUAN CARLOS CHEANG WONG,	JOSE OCOTLAN FLORES FLORES, OSCAR GENARO DE LUCIO MORALES, et al.	Centro de Ciencias Aplicadas y Desarrollo Tecnológico, Facultad de Ciencias, Instituto de Física,	2018
3	Fabrication and study of electroluminiscent structures based on silicon nanocrystals	Tesis de Doctorado	JUAN CARLOS ALONSO HUITRON,	JUAN CARLOS CHEANG WONG, ANA MARIA MARTINEZ VAZQUEZ, et al.	Facultad de Ciencias, Instituto de Física, Instituto de Investigaciones en Materiales,	2016

JUAN CARLOS CHEANG WONG

4	Fabricación de arreglos ordenados de partículas de sílice y su aplicación en nanolitografía	Tesis de Maestría	JUAN CARLOS CHEANG WONG,	Graniel Tamayo, Octavio,	Instituto de Física,	2016
5	Formación de arreglos ordenados de nanoestructuras de Au por litografía con nanoesferas en combinación con las técnicas de evaporación e implantación de iones	Tesis de Maestría	JUAN CARLOS CHEANG WONG,	Salinas Fuentes, Carmen Cecilia,	Instituto de Física,	2016
6	Desarrollo de arreglos ordenados en monocapa de partículas coloidales de sílice usando la técnica de spin coating	Tesis de Licenciatura	JUAN CARLOS CHEANG WONG,	López Leyva, Luis Miguel,	Instituto de Física,	2014
7	Desarrollo de nanoestructuras metálicas ordenadas a partir del uso de monocapas de partículas coloidales de sílice como máscaras	Tesis de Licenciatura	JUAN CARLOS CHEANG WONG,	Salinas Fuentes, Carmen Cecilia,	Instituto de Física,	2014
8	Caracterización de nanoestructuras ordenadas de Ag faricadas por implantación de iones a través de una máscara de partículas de sílice	Tesis de Licenciatura	JUAN CARLOS CHEANG WONG,	ANA LETICIA FERNANDEZ OSORIO, JOSE FRANCO PEREZ AREVALO, et al.	Facultad de Estudios Superiores "Cuautitlán", Instituto de Física,	2014
9	Deformación de nanopartículas coloidales de sílice por medio de la irradiación con iones pesados usando el acelerador peletrón	Tesis de Doctorado	JUAN CARLOS ALONSO HUITRON,	JUAN CARLOS CHEANG WONG, ALICIA MARIA OLIVER Y GUTIERREZ, et al.	Facultad de Ciencias, Instituto de Física, Instituto de Investigaciones en Materiales,	2011
10	Desarrollo de mascaras para litografía a partir de monocapas de partículas coloidales de sílice	Tesis de Maestría	JUAN CARLOS CHEANG WONG,	Reséndiz López, Eder,	Instituto de Física,	2011

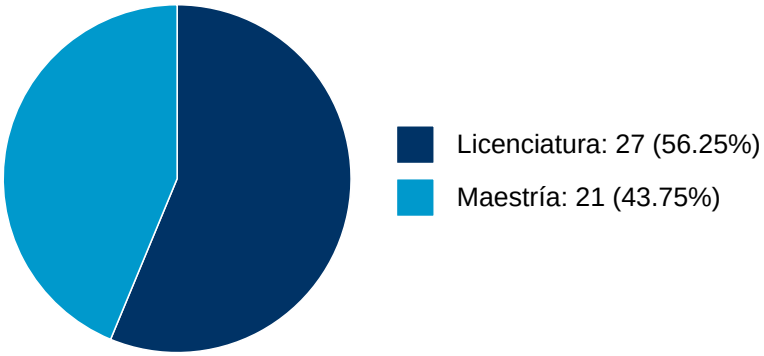
JUAN CARLOS CHEANG WONG

11	Síntesis de nanopartículas de TiO2 y su caracterización por microscopía electrónica de barrido y difracción de rayos X	Tesis de Licenciatura	JUAN CARLOS CHEANG WONG,	Díaz Fonseca, Ana Lilia,	Instituto de Física,	2008
12	Sintesis de nanoparticulas coloidales de silice y su caracterizacion por microscopia electronica de barrido y fuerza atomica	Tesis de Licenciatura	JUAN CARLOS CHEANG WONG,	Morales Muñoz, Ulises,		2005
13	Canalizacion de iones de helio en el análisis de monocristales de silicio previamente irradiados con iones pesados utilizando el acelerador peletron	Tesis de Licenciatura	JUAN CARLOS CHEANG WONG,	Alcantara Moctezuma, Ricardo,		1998

JUAN CARLOS CHEANG WONG

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	33	2024-1
2	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	19	2023-2
3	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	20	2023-2
4	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	32	2023-1
5	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	10	2023-1
6	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	7	2022-2
7	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	22	2022-2
8	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	28	2022-1
9	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	28	2022-1
10	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	22	2021-2
11	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	29	2021-1

JUAN CARLOS CHEANG WONG

12	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	19	2021-1
13	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	10	2020-2
14	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	2	2020-2
15	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	11	2020-2
16	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	1	2020-1
17	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	9	2020-1
18	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	24	2020-1
19	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	21	2019-2
20	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	22	2019-2
21	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	24	2019-1
22	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	18	2019-1
23	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	11	2018-2
24	Maestría	ESTANCIA DE INVESTIGACION	Instituto de Investigaciones en Materiales	24	2018-2
25	Maestría	ESTANCIA DE INVESTIGACION	Instituto de Investigaciones en Materiales	17	2018-1
26	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	23	2018-1
27	Maestría	ESTANCIA DE INVESTIGACIÓN	Instituto de Investigaciones en Materiales	20	2017-2
28	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	11	2017-2
29	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	29	2017-1
30	Maestría	ESTANCIA DE INVESTIGACION-304542	Instituto de Investigaciones en Materiales	21	2017-1
31	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	16	2016-2

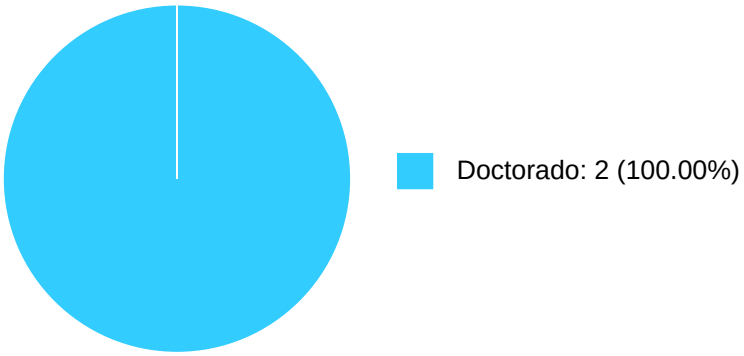
JUAN CARLOS CHEANG WONG

32	Maestría	ESTANCIA DE INVESTIGACION	Instituto de Investigaciones en Materiales	20	2016-2
33	Maestría	ESTANCIA DE INVESTIGACION	Instituto de Investigaciones en Materiales	19	2016-1
34	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	24	2016-1
35	Maestría	ESTANCIA DE INVESTIGACION	Instituto de Investigaciones en Materiales	29	2015-2
36	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	16	2015-2
37	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	46	2015-1
38	Maestría	ESTANCIA DE INVESTIGACION	Instituto de Investigaciones en Materiales	33	2015-1
39	Maestría	ESTANCIA DE INVESTIGACION	Instituto de Investigaciones en Materiales	27	2014-2
40	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	30	2014-2
41	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	25	2014-1
42	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	7	2013-2
43	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	25	2013-1
44	Licenciatura	FISICA CONTEMPORANEA	Facultad de Ciencias	18	2012-2
45	Licenciatura	TEM.SELEC.DE FISICA D MATERIAL I	Facultad de Ciencias	2	2012-1
46	Licenciatura	TEM.SELEC.DE FISICA D MATERIAL I	Facultad de Ciencias	4	2011-2
47	Licenciatura	TEM.SELEC.DE FISICA D MATERIAL I	Facultad de Ciencias	4	2011-1
48	Licenciatura	TEM.SELEC.DE FISICA D MATERIAL I	Facultad de Ciencias	4	2010-2

JUAN CARLOS CHEANG WONG

TUTORIAS EN POSGRADO

Histórico de tutorías en posgrado



#	Entidad	Nivel	Plan de estudios	Año	Semestre
1	Instituto de Investigaciones en Materiales	Doctorado	Doctorado en Ciencias e Ingeniería de Materiales	2019	2020-1
2	Instituto de Investigaciones en Materiales	Doctorado	Doctorado en Ciencias e Ingeniería de Materiales	2018	2018-2

JUAN CARLOS CHEANG WONG

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	2008-2024
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2024
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2024
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

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