



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
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Reporte individual



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Datos Generales

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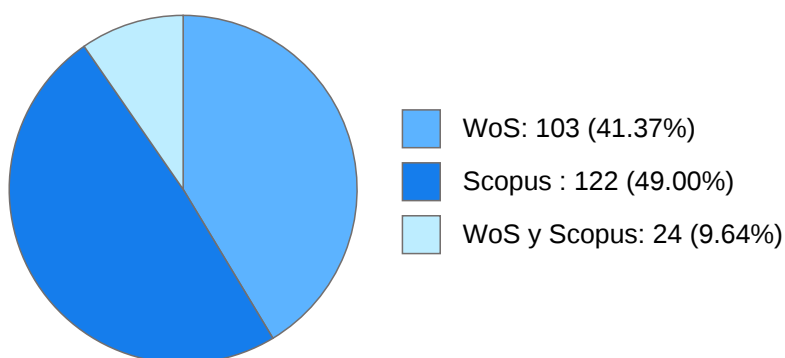
Estímulos, programas, premios y reconocimientos

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Silicon nanocrystal slab optical waveguide by multi-energy ion implantation: Linear and nonlinear optical properties	EDER GERMAN LIZARRAGA MEDINA BONIFACIO ALEJANDRO CAN UC ALICIA MARIA OLIVER Y GUTIERREZ et al.	OPTICS COMMUNICATIO NS	2024
2	A method to resolve thermal and electronic contributions to the nolinear optical response	CARLOS TORRES TORRES ALICIA MARIA OLIVER Y GUTIERREZ Marco Antonio Hernandez-Acosta et al.	OPTICAL MATERIALS	2024
3	Driving Third-Order Optical Nonlinearities in Photoluminescent Si Nanoparticles by Nitrogen Co-Implantation in a Silica Matrix	JHOVANI ENRIQUE BORNACELLI CAMARGO CARLOS TORRES TORRES ALICIA MARIA OLIVER Y GUTIERREZ et al.	Materials	2022
4	Enhanced fracture toughness of silica glass by ion-implanted platinum nanoparticles	CARLOS TORRES TORRES ALICIA MARIA OLIVER Y GUTIERREZ Jesus Gutierrez-Menchaca et al.	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	2021
5	A comprehensive study of the nonlinear optical response exhibited by ion-implanted silica plates with Au and Pt nanostructures	CARLOS TORRES TORRES JHOVANI ENRIQUE BORNACELLI CAMARGO BONIFACIO ALEJANDRO CAN UC et al.	Results In Optics	2021

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6	Magnetic Force Microscopy Study of Multiscale Ion-Implanted Platinum in Silica Glass, Recorded by an Ultrafast Two-Wave Mixing Configuration	JHOVANI ENRIQUE BORNACELLI CAMARGO ALICIA MARIA OLIVER Y GUTIERREZ Torres-Torres D. et al.	MICROSCOPY AND MICROANALYSIS	2020
7	Plasmon coupling interactions and inhibition of nonlinear absorption in a complex system with Ag and Pt nanoparticles in silica	JHOVANI ENRIQUE BORNACELLI CAMARGO BONIFACIO ALEJANDRO CAN UC ALICIA MARIA OLIVER Y GUTIERREZ et al.	APPLIED OPTICS	2020
8	Enhanced ultrafast optomagnetic effects in room-temperature ferromagnetic Pt nanoclusters embedded in silica by ion implantation	JHOVANI ENRIQUE BORNACELLI CAMARGO CARLOS TORRES TORRES JESUS ANGEL ARENAS ALATORRE et al.	Nanotechnolog y	2020
9	Spectral Nonlinear Optical Response of Ion-Implanted Au and Ag Nanoparticles in Sapphire: A Three-Level Model Description	JHOVANI ENRIQUE BORNACELLI CAMARGO ALEJANDRO CRESPO SOSA ALICIA MARIA OLIVER Y GUTIERREZ et al.	PHYSICAL REVIEW APPLIED	2020
10	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
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 NANOMATERIAL S	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	Understanding the ion-induced elongation of silver nanoparticles embedded in silica	ALICIA MARIA OLIVER Y GUTIERREZ LUIS RODRIGUEZ FERNANDEZ Pena-Rodriguez, Ovidio et al.	SCIENTIFIC REPORTS	2017
14	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
15	Nonlinear optical response of platinum nanoparticles and platinum ions embedded in sapphire	ALEJANDRO CRESPO SOSA ALICIA MARIA OLIVER Y GUTIERREZ Can-Uc, B. et al.	OPTICS EXPRESS	2016

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16	Platinum nanoclusters in silica: Photoluminescent properties and their application for enhancing the emission of silicon nanocrystals in an integrated configuration	JHOVANI ENRIQUE BORNACELLI CAMARGO LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ et al.	JOURNAL OF APPLIED PHYSICS	2016
17	From photoluminescence emissions to plasmonic properties in platinum nanoparticles embedded in silica by ion implantation	JHOVANI ENRIQUE BORNACELLI CAMARGO LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ et al.	JOURNAL OF LUMINESCENCE	2016
18	Nanoparticle containing channel waveguides produced by a multi-energy masked ion-implantation process	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ CanUc, B. et al.	OPTICS EXPRESS	2015
19	Third-order nonlinear optical properties exhibited by a bilayer configuration of silver nanoparticles integrated to silicon nanocrystals embedded in ion-implanted silica	ALEJANDRA LOPEZ SUAREZ CARLOS TORRES TORRES ALICIA MARIA OLIVER Y GUTIERREZ et al.	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS	2015
20	Collective optical Kerr effect exhibited by an integrated configuration of silicon quantum dots and gold nanoparticles embedded in ion-implanted silica	CARLOS TORRES TORRES ALEJANDRA LOPEZ SUAREZ ALICIA MARIA OLIVER Y GUTIERREZ et al.	Nanotechnology	2015
21	Design of Step-Index Optical Waveguides by Ion Implantation	ERICK FLORES ROMERO LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ et al.	JOURNAL OF LIGHTWAVE TECHNOLOGY	2015
22	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
23	Design of optical channel waveguides in SiO ₂ by ion implantation	ALICIA MARIA OLIVER Y GUTIERREZ De Los Reyes-Cruz H. Lizarraga-Medina E.G. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2015
24	Design of SiO _x slab optical waveguides	ALICIA MARIA OLIVER Y GUTIERREZ Lizarraga-Medina E.G. Vázquez G.V. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2015

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25	Metallic nano particles embedded in sapphire	ALEJANDRO CRESPO SOSA PABLO ERNESTO MOTA SANTIAGO HECTOR GABRIEL SILVA PEREYRA et al.	Materials Research Society Symposium Proceedings	2015
26	Femtosecond laser writing over silver nanoparticles system embedded in silica using nonlinear microscopy	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Licea-Rodríguez J. et al.	OPTICAL MATERIALS	2014
27	Enhancing hydrogen diffusion in silica matrix by using metal ion implantation to improve the emission properties of silicon nanocrystals	JORGE ALEJANDRO REYES ESQUEDA LUIS RODRIGUEZ FERNANDEZ JOSE LUIS RUVALCABA SIL et al.	Journal of Nanotechnology	2014
28	Size-and shape-dependent nonlinear optical response of au nanoparticles embedded in sapphire	OSWALDO SANCHEZ DENA PABLO ERNESTO MOTA SANTIAGO E. V. Garcia Ramirez et al.	OPTICAL MATERIALS EXPRESS	2014
29	Effect of silver nanoparticles on the photoluminescence of silicon nanocrystals	ALICIA MARIA OLIVER Y GUTIERREZ ALEJANDRA LOPEZ SUAREZ Benami, A. et al.	SPECTROSCOPY LETTERS	2014
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31	Synthesis of optical waveguides in SiO ₂ by silver ion implantation	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Marquez, H. et al.	OPTICAL MATERIALS	2013
32	Polarization selectable nonlinearities in elongated silver nanoparticles embedded in silica	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Can-Uc, B. et al.	OPTICAL MATERIALS EXPRESS	2013
33	Optical waveguides formed by carbon implantation on SiO ₂	ERICK FLORES ROMERO JOSE MIGUEL ZARATE REYES ALICIA MARIA OLIVER Y GUTIERREZ et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2013
34	Non-thermal polarization selectable nonlinear response of elongated ag nanoparticles embedded in SiO ₂ studied by the Z-scan technique	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Can-Uc B. et al.	Optics InfoBase Conference Papers	2013
35	Size-and shape-dependent nonlinear optical response of au nanoparticles embedded in sapphire	OSWALDO SANCHEZ DENA PABLO ERNESTO MOTA SANTIAGO ALEJANDRO CRESPO SOSA et al.	Optics InfoBase Conference Papers	2013

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37	Thermal characterization of gypsum boards with PCM included: Thermal energy storage in buildings through latent heat	ALICIA MARIA OLIVER Y GUTIERREZ	ENERGY AND BUILDINGS	2012
38	Technical note: PCM choosing and classification according to their characteristics for their application for thermal energy storage systems	ALICIA MARIA OLIVER Y GUTIERREZ Neila F.J. García-Santos A.	MATER CONSTRUCC	2012
39	Morphological Study of Gypsum Boards with PCM through Scanning Electron Microscopy	ALICIA MARIA OLIVER Y GUTIERREZ Baez M.I.	JOURNAL OF MATERIALS IN CIVIL ENGINEERING	2012
40	Nonlinear optical study of Ag nanoparticles-Si quantum dots plasmonic nanostructured system	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ JORGE ALEJANDRO REYES ESQUEDA et al.	Optics InfoBase Conference Papers	2012
41	Nonlinear optical study of Ag nanoparticles-si quantum dots plasmonic nanostructured system	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ JORGE ALEJANDRO REYES ESQUEDA et al.	Cleo: Science And Innovations, Cleo_Si 2012	2012
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45	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
46	Configuring Au and Ag nanorods for sensing applications	Vladimir Rodriguez Iglesias LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ et al.	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS	2011

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48	Second-order nonlinear response of composites containing aligned elongated silver nanoparticles	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Rocha-Mendoza, Israel et al.	OPTICS EXPRESS	2011
49	Wavelength-varying third-order nonlinear optical response of Ag nanoparticles-Si quantum dots integrated plasmonic system	L. Tamayo Rivera ROBERTO CARLOS FERNANDEZ HERNANDEZ LUIS RODRIGUEZ FERNANDEZ et al.	OPTICAL MATERIALS EXPRESS	2011
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51	Nonlinear optical spectroscopy of isotropic and anisotropic metallic nanocomposites	ROBERTO CARLOS FERNANDEZ HERNANDEZ ROBERTO JOSE RAUL GLEASON VILLAGRAN CARLOS TORRES TORRES et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2011
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53	Nonlinear optical response of silver nanoparticles and silicon quantum dots	ROBERTO CARLOS FERNANDEZ HERNANDEZ LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2011
54	Femto-, pico- and nano-second refractive nonlinearities exhibited by Au nanoparticles	CARLOS TORRES TORRES JORGE ALEJANDRO REYES ESQUEDA JUAN CARLOS CHEANG WONG et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2011

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55	Linear and nonlinear optical properties of metallic nanocrystals in sapphire	PABLO ERNESTO MOTA SANTIAGO ALEJANDRO CRESPO SOSA OSWALDO SANCHEZ DENA et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2011
56	Photoluminescence increment of Si nanocrystals in presence of Ag nanoparticles	JORGE ALEJANDRO REYES ESQUEDA LUIS RODRIGUEZ FERNANDEZ HECTOR GABRIEL SILVA PEREYRA et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2011
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59	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
60	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
61	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
62	Inhibition of the two-photon absorption response exhibited by a bilayer TiO ₂ film with embedded Au nanoparticles	ROBERTO CARLOS FERNANDEZ HERNANDEZ JORGE ALEJANDRO REYES ESQUEDA ALICIA MARIA OLIVER Y GUTIERREZ et al.	OPTICS EXPRESS	2010
63	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

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65	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
66	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
67	Photoluminescence of as-grown silicon nanocrystals embedded in silicon nitride: Influence of atomic hydrogen abundance	BETSABEE MAREL MONROY PELAEZ GUILLERMO SANTANA RODRIGUEZ ABDELLAH BENAMI et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2009
68	Modification of the nonlinear optical absorption and optical Kerr response exhibited by nc-Si embedded in a silicon-nitride film	ALEJANDRA LOPEZ SUAREZ CARLOS TORRES TORRES JORGE ALEJANDRO REYES ESQUEDA et al.	OPTICS EXPRESS	2009
69	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
70	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
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72	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
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80	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
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98	PIXE analysis of Zn enzymes	CORINA SOLIS ROSALES ALICIA MARIA OLIVER Y GUTIERREZ JOSE LUIS RUVALCABA SIL et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1999

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99	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
100	PIXE analysis of proteins from a photochemical center	CORINA SOLIS ROSALES ALICIA MARIA OLIVER Y GUTIERREZ EDUARDO ANDRADE IBARRA	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1998
101	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
102	Elemental analyses of marine skeletons	CORINA SOLIS ROSALES ALICIA MARIA OLIVER Y GUTIERREZ LUIS RODRIGUEZ FERNANDEZ	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1996
103	Chemical diagenesis in fossil shells from Baja California, México studied using PIXE and mass spectrometry	ALICIA MARIA OLIVER Y GUTIERREZ CORINA SOLIS ROSALES LUIS RODRIGUEZ FERNANDEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1996

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104	Lead levels in Mexican human teeth from different historical periods using PIXE	ALICIA MARIA OLIVER Y GUTIERREZ LUIS RODRIGUEZ FERNANDEZ Soils C. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1996
105	Cross section measurements for the (3He, p) nuclear reaction on B and N between 2 and 4 MeV	JORGE EDUARDO RICKARDS CAMPBELL ALICIA MARIA OLIVER Y GUTIERREZ McIntyre Jr. L.C. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1996
106	Analysis of diatomite sediments from a paleolake in central Mexico using PIXE, X-ray tomography and X-ray diffraction	ALICIA MARIA OLIVER Y GUTIERREZ GLORIA VILACLARA FATJO JOSE LUIS RUVALCABA SIL et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1994
107	Characterization of a Si(Li) detector for PIXE analysis	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Miranda J.	JOURNAL OF X-RAY SCIENCE AND TECHNOLOGY	1994

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108	L-subshell X-ray production by 400–700 keV protons in selected elements with $52 \leq Z \leq 71$	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Miranda J.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1994
109	PIXE analysis of cave sediments, prehispanic paintings and obsidian cutting tools from Baja California Sur caves	ALICIA MARIA OLIVER Y GUTIERREZ JOSE LUIS RUVALCABA SIL MARIA ESTHER ORTIZ Y SALAZAR et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993
110	Measurement of L X-ray production cross sections by 400–700 keV proton impact on rare earth elements	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Miranda J. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993
111	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
112	Uses of PIXE at low proton energies	JORGE EDUARDO RICKARDS CAMPBELL ALICIA MARIA OLIVER Y GUTIERREZ Miranda J. et al.	APPLIED SURFACE SCIENCE	1990

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113	Quantification of indium in steel using PIXE	ALICIA MARIA OLIVER Y GUTIERREZ JORGE EDUARDO RICKARDS CAMPBELL Miranda J. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1989
114	Electron beam damage in high Tc superconductor materials	JORGE EDUARDO RICKARDS CAMPBELL ALICIA MARIA OLIVER Y GUTIERREZ José-Yacamán M.	Ultramicroscop y	1989
115	A new method for thin-film thickness measurement using PIXE	ALICIA MARIA OLIVER Y GUTIERREZ Montenegro E.C. JAVIER MIRANDA MARTIN DEL CAMPO	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1989
116	The role of the ionization and stopping cross sections in PIXE thin film thickness measurements	ALICIA MARIA OLIVER Y GUTIERREZ Miranda J.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1988
117	A comparison between pixe and rbs thin film thickness measurements in binary targets	ALICIA MARIA OLIVER Y GUTIERREZ Miranda J.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1987

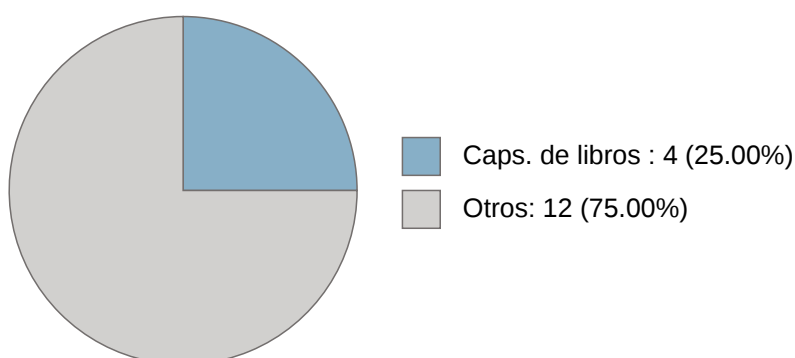
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118	Parametric determination of a Si(Li) detector efficiency curve using K β Ka branching ratios	ALICIA MARIA OLIVER Y GUTIERREZ Montenegro E.C. Aldape F.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1985
119	A diffusion model to correct multi-spectral images for the path-radiance atmospheric effect.	JORGE ARTURO LIRA CHAVEZ ALICIA MARIA OLIVER Y GUTIERREZ	Pictorial Data Analysis	1983
120	Reconstrucción de imágenes multispectrales por el efecto de dispersión atmosférica de la radiación electromagnética.	ALICIA MARIA OLIVER Y GUTIERREZ Lira J. Larios H.	Revista Cif	1983
121	Experimental determination of the angular distribution of transition radiation following photoeffect	ALICIA MARIA OLIVER Y GUTIERREZ Grader R.J. Ebert P.J.	PHYSICAL REVIEW A	1977
122	Ion-pair production in the collisional dissociation of H ₂ +	ALICIA MARIA OLIVER Y GUTIERREZ Brouillard F. Claeys W. et al.	Journal Of Physics B: Atomic And Molecular Physics	1976

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Nonlinear optics with metal-dielectric nanocomposites	BONIFACIO ALEJANDRO CAN UC ALEJANDRO CRESPO SOSA ALICIA MARIA OLIVER Y GUTIERREZ et al.	Capítulo de un Libro	2018	9780081023785
2	Development of Optical Waveguides Through Multiple-Energy Ion Implantations	ALICIA MARIA OLIVER Y GUTIERREZ	Capítulo de un Libro	2017	9789535132370
3	Ultraviolet self-diffraction effects exhibited by ion-implanted au nanoparticles in silica	CARLOS TORRES TORRES JUAN CARLOS CHEANG WONG LUIS RODRIGUEZ FERNANDEZ et al.	Conferenc e Paper	2017	9781557528209
4	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.	Conferenc e Paper	2017	9781538621929
5	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.	Proceedin gs Paper	2017	9781538621929

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6	Quantum entanglement of vectorial optical self-diffraction in ion-implanted silicon quantum dots	JHOVANI ENRIQUE BORNACELLI CAMARGO ALICIA MARIA OLIVER Y GUTIERREZ Torres-Torres, C. et al.	Proceedin gs Paper	2016	9781467397353
7	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.	Conferenc e Paper	2016	9781943580163
8	Ion-implanted Au nanoparticles for encoding information in light	CARLOS TORRES TORRES JUAN CARLOS CHEANG WONG ALEJANDRO CRESPO SOSA et al.	Conferenc e Paper	2016	9781138029361
9	DIRECT FEMTOSECOND LASER WRITING IN METALLIC NANOPARTICLE-CONTAINING FILMS FOR PHOTONIC DEVICE FABRICATION	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Raul Rangel-Rojo et al.	Proceedin gs Paper	2015	9784863484870
10	Direct femtosecond laser writing of patterns in silver nanoparticle system embedded in silica using nonlinear microscopy	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Licea-Rodríguez J. et al.	Conferenc e Paper	2014	9781557528254
11	Nanoparticle waveguides produced by masked ion-implantation process	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Can-Uc B. et al.	Conferenc e Paper	2014	9781557528254
12	Metallic nanoparticle containing waveguides for nonlinear optics	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ Rangel-Rojo R. et al.	Conferenc e Paper	2014	9781557528254
13	Nonlinear optical study of Ag nanoparticles-Si quantum dots plasmonic nanostructured system	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ JORGE ALEJANDRO REYES ESQUEDA et al.	Conferenc e Paper	2012	9781467318396
14	Nonlinear optical study of Ag nanoparticles-si quantum dots plasmonic nanostructured system	LUIS RODRIGUEZ FERNANDEZ ALICIA MARIA OLIVER Y GUTIERREZ JORGE ALEJANDRO REYES ESQUEDA et al.	Conferenc e Paper	2012	9781557529435



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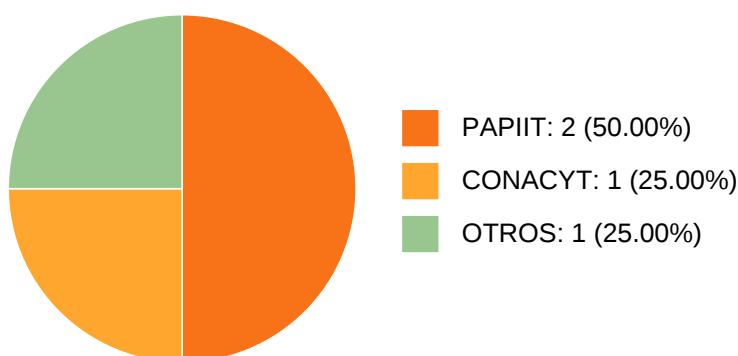
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15	Anisotropic second- and third-order nonlinear optical response from anisotropy-controlled metallic nanocomposites	ALICIA MARIA OLIVER Y GUTIERREZ JORGE ALEJANDRO REYES ESQUEDA	Capítulo de un Libro	2011	9789535101314
16	Linear and no linear optical 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

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

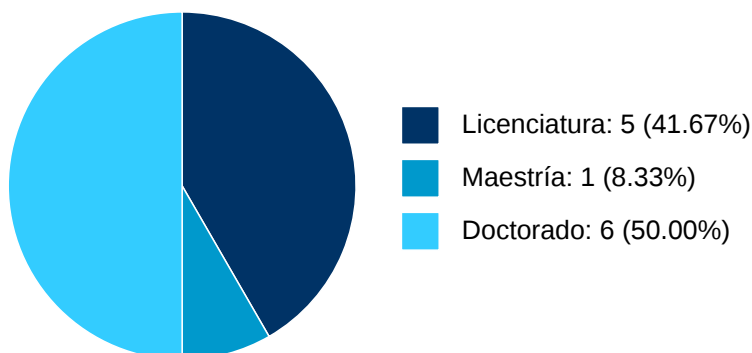


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Estudio de la respuesta óptica no lineal de composites conteniendo nanopartículas y la generación de estructuras fotónica basadas en ellos	ALICIA MARIA OLIVER Y GUTIERREZ	Recursos CONACYT	27-01-2015	04-03-2019
2	Estudio de las respuestas ópticas luminiscentes y no lineales de nanocomposites de dieléctricos con nanopartículas metálicas y semiconductoras sintetizados por implantación de iones	ALICIA MARIA OLIVER Y GUTIERREZ	Recursos PAPIIT	01-01-2016	31-12-2019
3	Estudio de propiedades opto-magnéticas inducidas con pulsos ultracortos en nanopartículas metálicas embebidas en SiO2 y alfa-Al2O3	ALICIA MARIA OLIVER Y GUTIERREZ	Recursos PAPIIT	01-01-2023	31-12-2025
4	Development of novel photonic metamaterials with optoelectronic and quantum information processing applications	ALICIA MARIA OLIVER Y GUTIERREZ	Recursos CONAHCyT	23-06-2024	22-06-2026

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Síntesis y caracterización de interfaces de Si/MoOx para su uso en dispositivos fotovoltaicos	Tesis de Doctorado	ALICIA MARIA OLIVER Y GUTIERREZ,	LUIS RODRIGUEZ FERNANDEZ, GUILLERMO SANTANA RODRIGUEZ, et al.	Instituto de Física, Instituto de Investigaciones en Materiales,	2022
2	Método de transformación T-Matrix para nanopartículas de oro embebidas en sílice	Tesis de Licenciatura	ALICIA MARIA OLIVER Y GUTIERREZ,	Huelgas Moreno, Jessica,	Instituto de Física,	2019
3	Aumento de fotoluminiscencia de nanocristales de silicio embebidos en sílice por medio de pasivación de defectos usando implantación de iones	Tesis de Licenciatura	ALICIA MARIA OLIVER Y GUTIERREZ,	Ábrego Rangel, Luis Alberto,	Instituto de Física,	2015

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4	Aumento de la emisión de fotoluminiscencia de nanocristales de Si embebidos en sílice (SiO ₂) usando implantación de iones metálicos (Ag, Au, Pt)	Tesis de Doctorado	WOLF LUIS MOCHAN BACKAL,	ALICIA MARIA OLIVER Y GUTIERREZ, JORGE ALEJANDRO REYES ESQUEDA, et al.	Instituto de Ciencias Físicas, Instituto de Física,	2014
5	Estudio del incremento de la fotoluminiscencia de nanocristales de si en sílice recocido en diferentes atmósferas y en presencia de implantación de Au	Tesis de Licenciatura	ALICIA MARIA OLIVER Y GUTIERREZ,	Velázquez Richards, Eduardo Iván,	Instituto de Física,	2013
6	Modelado por medio del código T-Matrix de la absorción y dispersión de ondas electromagnéticas por nanopartículas de Ag y Au esféricas y alargadas embebidas en sílice	Tesis de Licenciatura	ALICIA MARIA OLIVER Y GUTIERREZ,	Castro Nava, Arturo,	Instituto de Física,	2012
7	Estudio de los mecanismos de deformación de nanopartículas de oro embebidas en sílice, producida por irradiación con iones	Tesis de Doctorado	JESUS ANGEL ARENAS ALATORRE,	MIGUEL AVALOS BORJA, ALICIA MARIA OLIVER Y GUTIERREZ, et al.	Centro de Nanociencias y Nanotecnología en la UNAM, Instituto de Física,	2011
8	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

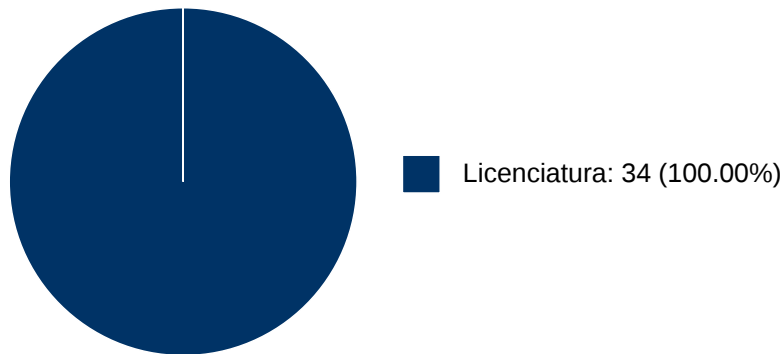
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9	Diagnósticos eléctricos en plasmas inducidos por Láser	Tesis de Maestría	ALICIA MARIA OLIVER Y GUTIERREZ,	LUIS RODRIGUEZ FERNANDEZ, MAYO VILLAGRAN MUNIZ, et al.	Centro de Ciencias Aplicadas y Desarrollo Tecnológico, Instituto de Física,	2011
10	Caracterización y propiedades ópticas de nanocúmulos elongados de oro y plata embebidos en sílice	Tesis de Doctorado	ALICIA MARIA OLIVER Y GUTIERREZ,	Rodríguez Iglesias, Vladimir,	Instituto de Física,	2008
11	Formacion de nanocumulos por implantacion de metales nobles en silica	Tesis de Doctorado	ALICIA MARIA OLIVER Y GUTIERREZ,	Roiz Wilson, Jannier Maximo,		2003
12	Medición de erosión iónica en películas delgadas con Pixe	Tesis de Licenciatura	ALICIA MARIA OLIVER Y GUTIERREZ,	Ruiz Sánchez, Francisco José,		1990

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	9	2024-2
2	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	6	2024-1
3	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	40	2023-2
4	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	19	2023-1
5	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	11	2022-2
6	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	29	2022-1
7	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	12	2021-2
8	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	21	2021-1
9	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	30	2020-2
10	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	22	2020-1
11	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	44	2019-2
12	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	14	2019-1
13	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	44	2018-2
14	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	17	2018-1
15	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	15	2017-2
16	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	26	2017-1
17	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	14	2016-2
18	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	13	2016-1
19	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	10	2015-2
20	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	11	2015-1
21	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	18	2014-2
22	Licenciatura	ELECTROMAGNETISMO I	Facultad de Ciencias	12	2014-1
23	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	12	2013-2
24	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	16	2013-1

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25	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	24	2012-2
26	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	18	2012-1
27	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	9	2011-2
28	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	12	2011-1
29	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	19	2010-2
30	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	23	2010-1
31	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	5	2009-2
32	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	19	2009-1
33	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	9	2008-2
34	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	18	2008-1



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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