



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



CARLOS TORRES TORRES

Datos Generales

Nombre: CARLOS TORRES TORRES

Máximo nivel de estudios: DOCTORADO

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Nombramientos

Último: PROFESOR ASIGNATURA A TP No Definitivo
Facultad de Química
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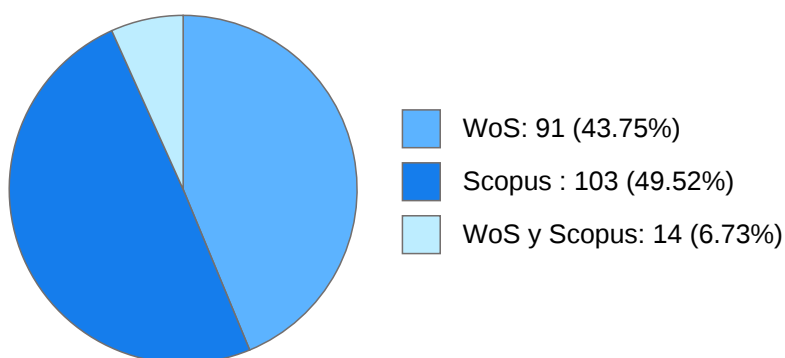
Estímulos, programas, premios y reconocimientos

SNI II 2013 - 2023
SNI I 2010 - 2012

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Chaos-driven detection of methylene blue in wastewater using fractional calculus and laser systems	JHOVANI ENRIQUE BORNACELLI CAMARGO CARLOS TORRES TORRES Lizeth Martinez-Ayala et al.	MEASUREMENT SCIENCE AND TECHNOLOGY	2025
2	All-Optical Encryption Controlled by Multiphotonic Absorption in Carbon Nanotubes	JHOVANI ENRIQUE BORNACELLI CAMARGO CARLOS TORRES TORRES Alexia Lopez-Bastida et al.	Photonics	2024
3	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
4	Structured light using carbon nanostructures driven by Kerr nonlinearities and a magnetic field	JHOVANI ENRIQUE BORNACELLI CAMARGO CARLOS TORRES TORRES Hurtado-Aviles E.A. et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2022
5	Machine learning and materials informatics approaches in the analysis of physical properties of carbon nanotubes: A review	CARLOS TORRES TORRES Vivanco-Benavides L.E. Martínez-González C.L. et al.	COMPUTATIONA L MATERIALS SCIENCE	2022
6	Violin vibration state determined from laser streak patterns	CARLOS TORRES TORRES FRANCISCO FERNANDEZ ESCOBAR MIGUEL DE ICAZA HERRERA et al.	APPLIED ACOUSTICS	2022

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7	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
8	Photonic encryption by optical activity in Kerr-like carbon-based nanofluids with plasmonic nanoparticles	CARLOS TORRES TORRES García-Beltrán G. Mercado-Zúñiga C. et al.	JOURNAL OF MOLECULAR LIQUIDS	2022
9	A Framework for Biosensors Assisted by Multiphoton Effects and Machine Learning	CARLOS TORRES TORRES Arano-Martinez J.A. Martínez-González C.L. et al.	BIOSENSORS-BA SEL	2022
10	Preface	CARLOS TORRES TORRES García-Beltrán G.	SPRINGER TR MOD PHYS	2022
11	Applications, Conclusions, and Perspectives	CARLOS TORRES TORRES García-Beltrán G.	SPRINGER TR MOD PHYS	2022
12	Study on Second- and Third-Order Nonlinear Optical Properties in Nanostructured Carbon Allotropes	CARLOS TORRES TORRES García-Beltrán G.	SPRINGER TR MOD PHYS	2022
13	Methods for Measuring Nonlinear Optical Properties	CARLOS TORRES TORRES García-Beltrán G.	SPRINGER TR MOD PHYS	2022
14	Study on Second- and Third-Order Nonlinear Optical Properties in Metallic Nanoparticles	CARLOS TORRES TORRES García-Beltrán G.	SPRINGER TR MOD PHYS	2022
15	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
16	Thermo-mechanical effects and photo-induced release of liposome-encapsulated nanodiamonds by polarization-resolved laser pulses	MARIA IRMA VILLALPANDO FIERRO CARLOS TORRES TORRES Morales-Bonilla S. et al.	Optik	2021
17	Photo-induced structured waves by nanostructured topological insulator Bi ₂ Te ₃	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Hurtado-Aviles E.A. et al.	OPTICS AND LASER TECHNOLOGY	2021
18	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

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19	Magnetic frequency identification by quantum interference in magnetoplasmonic carbon/metal nanostructures	LUIS ANTONIO AGUILAR PEREZ CARLOS TORRES TORRES García-Merino J.A. et al.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2021
20	Taming the Autophagy as a Strategy for Treating COVID-19	CARLOS TORRES TORRES García-Pérez B.E. González-Rojas J.A. et al.	Cells	2020
21	Navigation of silver/carbon nanoantennas in organic fluids explored by a two-wave mixing	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES García-Beltrán G. et al.	NANOMATERIAL S	2020
22	Dynamic compressibility and third-order optical nonlinearities in carbon/metal-based nanofluids	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES García-Beltrán G. et al.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2020
23	Sequential photodamage driven by chaotic systems in nio thin films and fluorescent human cells	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Martines-Arano H. et al.	Processes	2020
24	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
25	Structured Light by Rotating Au Nanoparticles in a Dynamic Distribution	CARLOS TORRES TORRES Piña-Díaz A.J. Martines-Arano H.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2020
26	Article unidirectional optical kerr transmittance in hierarchical carbon/platinum nanostructures	CARLOS TORRES TORRES Morales-Bonilla S. Mercado-Zúñiga C. et al.	Photonics	2020
27	Fractional thermal transport and twisted light induced by an optical two-wave mixing in single-wall carbon nanotubes	CARLOS TORRES TORRES Hernández-Acosta M.A. Martines-Arano H. et al.	INTERNATIONAL JOURNAL OF THERMAL SCIENCES	2020
28	Multipath data storage by third-order nonlinear optical properties in zinc oxide nanostructures	FEDERICO ORTIZ TREJO MARTIN DANIEL TREJO VALDEZ JOEL HUMBERTO CASTRO CHACON et al.	APPLIED SCIENCES-BASE L	2020
29	Optical phase-change in plasmonic nanoparticles by a two-wave mixing	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Hernández-Acosta M.A. et al.	PHYSICA SCRIPTA	2019

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30	Twisted light by a Kerr-like TiO ₂ thin film with Au-Pt nanoparticles	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Martines-Arano H. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2019
31	Decision making two-wave mixing with rotating TiO ₂ -supported Au-Pt nanoparticles	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Piña-Díaz A.J. et al.	OPTICS AND LASER TECHNOLOGY	2019
32	Ultrasonic influence on plasmonic effects exhibited by photoactive bimetallic Au-Pt nanoparticles suspended in ethanol	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Hurtado-Aviles E.A. et al.	Materials	2019
33	Quantum and bistable magneto-conductive signatures in multiwall carbon nanotubes decorated with bimetallic Ni and Pt nanoparticles driven by phonons	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES García-Merino J.A. et al.	OPTICS CONTINUUM	2019
34	Optofluidic and strain measurements induced by polarization-resolved nanosecond pulses in gold-based nanofluids	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES García-Merino J.A. et al.	Optik	2019
35	Laser-induced electrical signal filtering by multilayer reduced graphene oxide decorated with Au nanoparticles	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Jiménez-Marín E. et al.	OPTICS EXPRESS	2019
36	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
37	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
38	Dynamic and plasmonic response exhibited by Au nanoparticles suspended in blood plasma and cerebrospinal fluids	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Morales-Bonilla S. et al.	JOURNAL OF MOLECULAR LIQUIDS	2019
39	Microbiology of high-sugar must fermentation by novel yeasts from the chihuahuan desert	CARLOS TORRES TORRES Perrusquía-Luévano S. Cano-Herrera M.S. et al.	FEMS YEAST RESEARCH	2019

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40	Nonlinear mechano-optical effects and speckle fringe patterns exhibited by gold-platinum nanoparticles in cells	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ García-Pérez B.E.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2018
41	Chaotic signatures of photoconductive Cu ₂ ZnSnS ₄ nanostructures explored by Lorenz attractors	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES M. A. Hernandez-Acosta et al.	NEW JOURNAL OF PHYSICS	2018
42	Retraction notice to Electrical and optical properties of nanostructured indium doped zinc oxide thin films deposited by ultrasonic chemical spray technique, starting from zinc acetylacetonate and indium chloride Materials Science in Semiconductor Processing, Volume 26, October 2014, Pages 288-293 (S1369800114002558) (10.1016/j.mssp.2014.05.011))	LUIS CASTAÑEDA AVIÑA CARLOS TORRES TORRES Maldonado A. et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2018
43	Amplitude-modulated acoustic waves by nonlinear optical signals in bimetallic Au-Pt nanoparticles and ethanol based nanofluids	MARTIN DANIEL TREJO VALDEZ MARIA IRMA VILLALPANDO FIERRO CARLOS TORRES TORRES et al.	JOURNAL OF MOLECULAR LIQUIDS	2018
44	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
45	Nonlinear-optical switching in gold nanoparticles driven by magneto-optical effects exhibited by carbon nanotubes	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES García-Merino J.A. et al.	SENSORS AND ACTUATORS A-PHYSICAL	2018
46	XOR Logic Gate by Carbon/Metal Nanoinks Based on a Double-Stage Optical Kerr Gate Configuration	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES García-Merino J.A. et al.	ADVANCES IN CONDENSED MATTER PHYSICS	2018
47	Fractional and chaotic electrical signatures exhibited by random carbon nanotube networks	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Hernández-Acosta M.A. et al.	PHYSICA SCRIPTA	2018

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48	Numerical evaluation of the structural integrity exhibited by a TiO ₂ thin solid film doped with au	LIDIA HUGUETTE HERNANDEZ GOMEZ MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES et al.	Advanced Structured Materials	2017
49	Coexistence of positive and negative photoconductivity in nickel oxide decorated multiwall carbon nanotubes	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Jiménez-Marín, E. et al.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2017
50	Magneto-conductive encryption assisted by third-order nonlinear optical effects in carbon/metal nanohybrids	CARLOS TORRES TORRES García-Merino, J.A. Mercado-Zúñiga, C. et al.	MATERIALS RESEARCH EXPRESS	2017
51	Contrast in the electrical and opto-electrical properties exhibited by randomly distributed networks and vertically aligned mutil-wall carbon nanotubes	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Mercado-Zúñiga, C. et al.	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2017
52	Nonlinear mechanooptical transmittance controlled by a rotating TiO ₂ thin solid film with embedded bimetallic Au-Pt nanoparticles	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Piña-Díaz, A.J. et al.	JOURNAL OF NANOMATERIALS	2017
53	Acousto-plasmonic sensing assisted by nonlinear optical interactions in bimetallic Au-Pt nanoparticles	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Hurtado-Aviles E.A. et al.	MICROMACHINES	2017
54	Gyroscopic behavior exhibited by the optical Kerr effect in bimetallic Au?Pt nanoparticles suspended in ethanol	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ LIDIA HUGUETTE HERNANDEZ GOMEZ et al.	JOURNAL OF NANOPARTICLE RESEARCH	2016
55	Adaptive chaotification of robot manipulators via neural networks with experimental evaluations	CARLOS TORRES TORRES Moreno-Valenzuela J.	Neurocomputing	2016
56	Mechano-optic logic gate controlled by third-order nonlinear optical properties in a rotating ZnO:Au thin film	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Carrillo-Delgado C. et al.	MATERIALS RESEARCH EXPRESS	2016
57	Mechano-optical transmittance and third order nonlinear optical properties exhibited by Au nanoparticles	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Morales-Bonilla S. et al.	Optik	2015
58	Interferometric laser measurement of multi-axial mechanical properties exhibited by carbon nanotubes	CARLOS TORRES TORRES Feria-Reyes E. Martínez-Gutiérrez H. et al.	JOURNAL OF ALLOYS AND COMPOUNDS	2015
59	Low-dimensional multiplexing: The magneto-optical Kerr effect in an individual FeCoCu nanowire	CARLOS TORRES TORRES	Nanotechnology	2015

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60	Exclusive-OR encryption by photoconduction and two-photon absorption in Carbon nanotubes	CARLOS TORRES TORRES NOEMI ROSA REBOLLO FRANCO LUIS CASTAÑEDA AVIÑA et al.	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2015
61	Photothermal, photoconductive and nonlinear optical effects induced by nanosecond pulse irradiation in multi-wall carbon nanotubes	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES García-Merino J.A. et al.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2015
62	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
63	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
64	Optical Kerr effect exhibited by carbon nanotubes and carbon/metal nanohybrid materials	CARLOS TORRES TORRES NOEMI ROSA REBOLLO FRANCO MARTIN DANIEL TREJO VALDEZ et al.	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	2015
65	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
66	Bidirectional optical Kerr transmittance in a bilayer nanocomposite with Au nanoparticles and carbon nanotubes	MARTIN DANIEL TREJO VALDEZ NOEMI ROSA REBOLLO FRANCO CARLOS TORRES TORRES et al.	PHYSICA SCRIPTA	2015
67	Strain measurements exhibited by a steel prosthesis protected with au nanoparticles	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Hernández-Gómez L.H. et al.	Advanced Structured Materials	2014
68	Influence of silver decoration on the nonlinear optical absorption exhibited by multiwall carbon nanotubes	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Mercado-Zúñiga C. et al.	JOURNAL OF NANOPARTICLE RESEARCH	2014

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69	Mechano-optic Regulation of Photoconduction in Functionalized Carbon Nanotubes Decorated with Platinum	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Mercado-Zuniga, C. et al.	INTERNATIONAL JOURNAL OF PHOTOENERGY	2014
70	Optoelectronic switching in a microstructure containing Au nanoparticles	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Torres-Torres, D. et al.	JOURNAL OF MODERN OPTICS	2014
71	Electrical and optical properties of nanostructured indium doped zinc oxide thin films deposited by ultrasonic chemical spray technique, starting from zinc acetylacetonate and indium chloride	LUIS CASTAÑEDA AVIÑA CARLOS TORRES TORRES Maldonado, A. et al.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2014
72	Optoelectronic modulation by multi-wall carbon nanotubes	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ MAURICIO TERRONES MALDONADO et al.	Nanotechnology	2013
73	Identification of inhomogenous optical absorptive response by chaotic photonic signals in Au nanoparticles	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Munoz-Cesar, J. C. et al.	MEASUREMENT SCIENCE AND TECHNOLOGY	2013
74	Photoconductive logic gate based on platinum decorated carbon nanotubes	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Mercado-Zuniga, C. et al.	APPLIED OPTICS	2013
75	Photoconductive Multiplexing by ZnO:Zr:F Thin Solid Films	CARLOS TORRES TORRES LUIS CASTAÑEDA AVIÑA Torres-Martinez, R.	Advances in Materials Science and Engineering	2013
76	Optical Kerr phase shift in a nanostructured nickel-doped zinc oxide thin solid film	CARLOS TORRES TORRES LUIS CASTAÑEDA AVIÑA Can-Uc, B. A. et al.	OPTICS EXPRESS	2013
77	Chemisorptive detection by electrical and nonlinear optical absorption properties of a nanostructured ruthenium-doped zinc oxide film	LUIS CASTAÑEDA AVIÑA CARLOS TORRES TORRES Moreno-Valenzuela, J.	Optik	2013
78	Mechano-optical modulation and optical limiting by multiwall carbon nanotubes	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Feria-Reyes, E. et al.	JOURNAL OF MODERN OPTICS	2013
79	Engineering the optical and mechanical properties exhibited by a titanium dioxide thin film with gold nanoparticles	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Morales-Bonilla, Samuel et al.	OPT APPL	2013
80	Mechanical design and manufacture by powder technology of a new mandrel tool for the fabrication of assault rifle barrels	CARLOS TORRES TORRES Urriolagoitia-Calderon, G. Urriolagoitia-Sosa, G. et al.	POWDER TECHNOLOGY	2012

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81	Optical absorptive response of platinum doped TiO ₂ transparent thin films with Au nanoparticles	CARLOS TORRES TORRES MARTIN DANIEL TREJO VALDEZ Campos-Lopez, J. P. et al.	MATERIALS SCIENCE IN SEMICONDUCT OR PROCESSING	2012
82	Evolution of the optical response in a nanostructured fluorine doped zinc oxide thin film	CARLOS TORRES TORRES LUIS CASTAÑEDA AVIÑA Torres-Martinez, R.	SEMICONDUCT OR SCIENCE AND TECHNOLOGY	2012
83	Enhancement of the optical Kerr effect by photobleaching in nanostructured indium-doped zinc oxide thin films	LUIS CASTAÑEDA AVIÑA CARLOS TORRES TORRES Rangel-Rojo, R. et al.	PHYSICA SCRIPTA	2012
84	Participation of the Third Order Optical Nonlinearities in Nanostructured Silver Doped Zinc Oxide Thin Solid Films	CARLOS TORRES TORRES LUIS CASTAÑEDA AVIÑA MARTIN DANIEL TREJO VALDEZ et al.	JOURNAL OF NANOMATERIAL S	2012
85	Crack-compliance method for assessing residual stress due to loading/unloading history: Numerical and experimental analysis	CARLOS TORRES TORRES Urriolagoitia-Sosa, G. Romero-Angeles, B. et al.	THEOR APPL FRACT MEC	2011
86	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.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2011
87	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
88	Interferometric laser detection of nanomechanical perturbations in biological media under ablation conditions	CARLOS TORRES TORRES Morales-Bonilla S. Urriolagoitia-Sosa G. et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2011
89	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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90	Numerical evaluation of the shot peening process and determination of residual stress fields by the crack compliance method [Evaluación numérica del proceso de granallado y determinación del campo de esfuerzos residuales por medio del método]	CARLOS TORRES TORRES Urriolagoitia-Sosa G. Urriolagoitia-Calderón G. et al.	REVISTA INTERNACIONAL DE METODOS NUMERICOS PARA CALCULO Y DISEÑO EN INGENIERIA	2010
91	Evaluation of the impact of residual stresses in crack initiation with the application of the crack compliance method part II, experimental analysis	CARLOS TORRES TORRES Urriolagoitia-Sosa G. Romero-Ángeles B. et al.	Applied Mechanics and Materials	2010
92	Evaluation of the impact of residual stresses in crack initiation with the application of the crack compliance method part I, numerical analysis	CARLOS TORRES TORRES Urriolagoitia-Sosa G. Romero-Ángeles B. et al.	Applied Mechanics and Materials	2010
93	A new bounded kinematic controller for operational space motion of manipulators	CARLOS TORRES TORRES Moreno-Valenzuela, Javier	MECHANICS RESEARCH COMMUNICATIONS	2010
94	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
95	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
96	Large optical birefringence by anisotropic silver nanocomposites	JORGE ALEJANDRO REYES ESQUEDA CARLOS TORRES TORRES JUAN CARLOS CHEANG WONG et al.	OPTICS EXPRESS	2008
97	Measurements of nonlinear optical refraction and absorption in an amino-triazole push-pull derivative by a vectorial self-diffraction method	CARLOS TORRES TORRES Khomenko, A. V. Tamayo-Rivera, L. et al.	OPTICS COMMUNICATIONS	2008
98	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
99	Autodifracción vectorial de dos ondas degeneradas en medios con efecto Kerr óptico	CARLOS TORRES TORRES Khomenko A.V.	REVISTA MEXICANA DE FISICA	2005

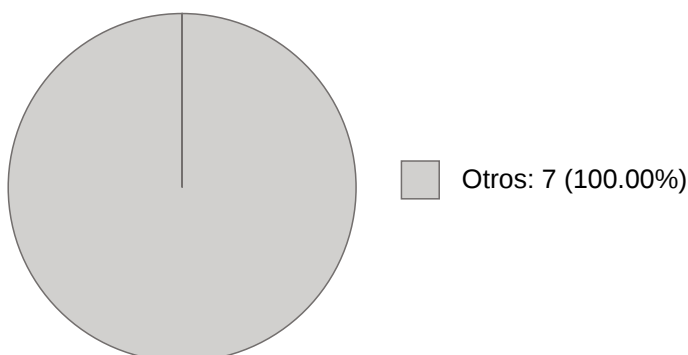
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100	Linearization schemes for Pockels cell light intensity modulators	CARLOS TORRES TORRES García-Weidner A. Khomenko A.V. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2003
101	Polarization insensitive linear intensity modulation in a Sagnac fiber-optic loop with an electro-optic cell and optoelectronic feedback	CARLOS TORRES TORRES García-Weidner A. Khomenko A.V. et al.	OPTICS AND LASERS IN ENGINEERING	2003
102	Optoelectronic feedback in a Sagnac fiber-optic modulator	CARLOS TORRES TORRES García-Weidner A. Khomenko A.V. et al.	OPTICS, PHOTONICS, AND DIGITAL TECHNOLOGIES FOR IMAGING APPLICATIONS VIII	2001
103	Electronically controlled optical polarization evolution in carbon nanotubes	MARTIN DANIEL TREJO VALDEZ CARLOS TORRES TORRES Hernández-Acosta M.A. et al.	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Nano-mechanic influence of the multi-photonic effects on metal decorated carbon nanostructures	CARLOS TORRES TORRES Sanchez-Salazar M.A. Martinez-Gonzalez C.L. et al.	Conferenc e Paper	2019	9781728116297
2	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
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.	Conferenc e Paper	2017	9781538621929
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.	Procedin gs Paper	2017	9781538621929
5	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



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6	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
7	Pure bending determination of stress-strain curves for an Aluminum alloy	CARLOS TORRES TORRES Torres-Franco D. Urriolagoitia-Sosa G. et al.	Conferenc e Paper	2011	9789881925152



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PARTICIPACIÓN EN PROYECTOS

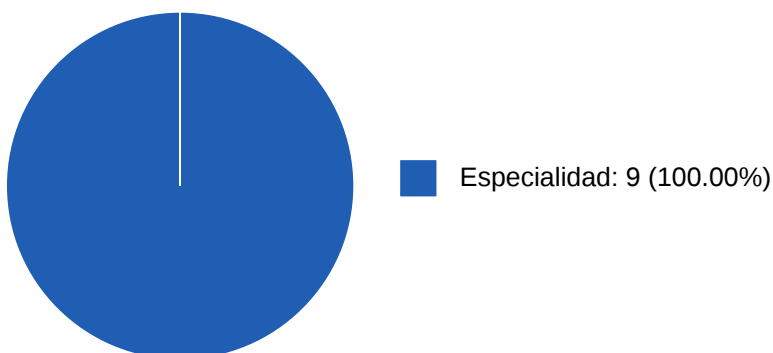
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Beneficio clínico de la presión positiva continua de la vía aérea de forma temprana en el manejo de la dificultad respiratoria del recién nacido prematuro	Tesis de Especialidad	CARLOS TORRES TORRES,	Guardado Martínez, Yazmín Guadalupe,		2022
2	Características clínicas y desenlaces neonatales en hijos de madres con neumonía por Covid 19 atendidos en el Hospital Darío Fernández durante el período del 1º de marzo del 2020 al 1º de septiembre del 2021	Tesis de Especialidad	CARLOS TORRES TORRES,	Tabet Sandoval, Meruan Alberto,		2021
3	Incidencia de deshidratación hipernatremica en recién nacidos del Hospital Dr. Darío Fernández Fierro en el periodo comprendido del 1 de marzo de 2016 a 30 de abril de 2018	Tesis de Especialidad	CARLOS TORRES TORRES,	Gómez Charco, Raymundo,		2018

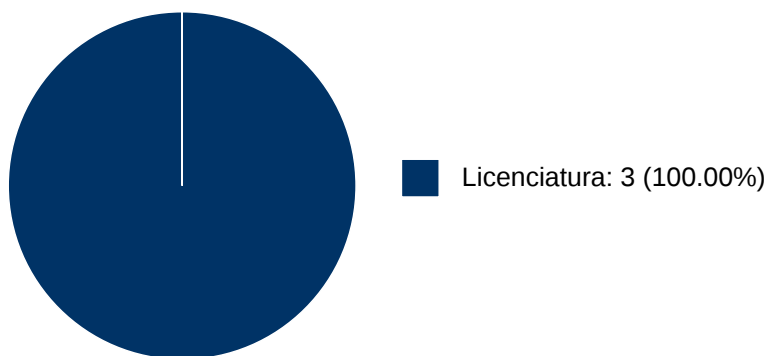
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4	Prevalencia de enfermedad grasa del hígado no alcohólica en niños del Hospital Darío Fernández Fierro	Tesis de Especialidad	CARLOS TORRES TORRES,	Lira Cruz, Gibrán Rafael,	2018
5	Niveles de glucosa en sangre en pacientes con sepsis neonatal y su asociación con la mortalidad	Tesis de Especialidad	CARLOS TORRES TORRES,	Romero Bautista, Elizabeth,	2017
6	Factores maternos y neonatales asociados a niveles elevados de 17-OHP en neonatos del Hospital Dr. Darío Fernández en el período del 01 de marzo 2016 al 30 de abril del 2017	Tesis de Especialidad	CARLOS TORRES TORRES,	Soyano Martínez, Miriam,	2017
7	Efecto de lactobacillus acidophilus y plantarum vs tratamiento habitual, niños y adolescentes con obesidad y sobrepeso	Tesis de Especialidad	CARLOS TORRES TORRES,	Peña Alcántara, Paula,	2016
8	Frecuencia de síndrome metabólico en población adolescente obesa en un hospital de segundo nivel de marzo de 2011 a marzo de 2013	Tesis de Especialidad	CARLOS TORRES TORRES,	Rodríguez Olvera, María de Jesús Diana,	2013
9	Experiencia en el manejo de crisis asmática en niños de 6 a 12 años con esteroides sistémicos y broncodilatador nebulizado versus esteroide inhalado y broncodilatador nebulizado en el Hospital General Darío Fernández Fierro	Tesis de Especialidad	CARLOS TORRES TORRES,	Romero Rivera, Ernesto Amador,	Facultad de Química, Instituto de Física, 2008

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	FUNDAMENTOS DE ESPECTROSCOPIA	Facultad de Química	34	2008-2
2	Licenciatura	ONDAS Y OPTICA	Facultad de Química	1	2008-2
3	Licenciatura	FUNDAMENTOS DE ESPECTROSCOPIA	Facultad de Química	34	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