



## **MANUEL TORRES LABANSAT**

### **Datos Generales**

**Nombre:** MANUEL TORRES LABANSAT

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 41 años

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### **Nombramientos**

**Vigente:** INVESTIGADOR TITULAR C TC Definitivo  
Instituto de Física  
Desde 16-02-2014

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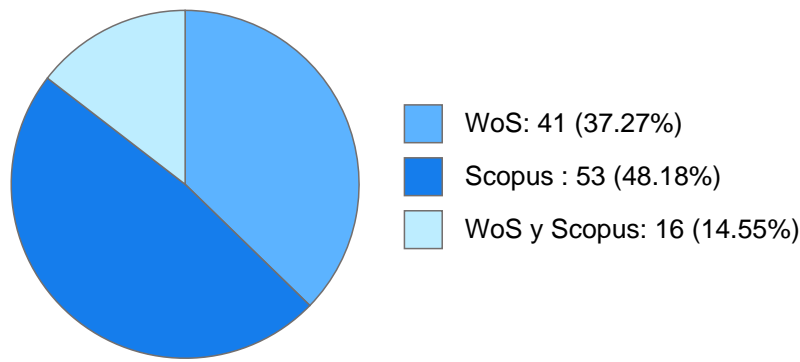
### **Estímulos, programas, premios y reconocimientos**

SNI III 2010 - 2024  
SNI II - 2009  
PRIDE D - 2024

## MANUEL TORRES LABANSAT

### DOCUMENTOS EN REVISTAS

#### Histórico de Documentos



#	Título	Autores	Revista	Año
1	Kink solutions in a generalized scalar $\phi(4)(G)$ field model	JONATHAN LOZANO MAYO MANUEL TORRES LABANSAT	Journal Of Physics Communications	2021
2	Nonlinear magnetotransport theory and Hall induced resistance oscillations in graphene	RICARDO GUTIERREZ JAUREGUI MANUEL TORRES LABANSAT	JOURNAL OF PHYSICS-CONDENSED MATTER	2014
3	Introducing the CTA concept	MIGUEL ALCUBIERRE MOYA JOSE RUBEN ALFARO MOLINA MARIA MAGDALENA GONZALEZ SANCHEZ et al.	ASTROPARTICLE PHYSICS	2013
4	The role of inelastic processes in the temperature dependence of hall induced resistance oscillations	MANUEL TORRES LABANSAT Kunold, Alejandro	PHYSICA B-CONDENSED MATTER	2013
5	Magnetic field barriers in graphene: an analytically solvable model	Enrique Milpas MANUEL TORRES LABANSAT GABRIELA MURGUIA ROMERO	JOURNAL OF PHYSICS-CONDENSED MATTER	2011
6	Nonlinear transport theory for negative-differential resistance states of two-dimensional electron systems in strong magnetic fields	MANUEL TORRES LABANSAT Kunold, A.	PHYSICAL REVIEW B	2009

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7	Perturbative quantum analysis and classical limit of the electron scattering by a solenoidal magnetic field	GABRIELA MURGUIA ROMERO MANUEL TORRES LABANSAT Moreno M.	AIP Conference Proceedings	2009
8	Hall field-induced magnetoresistance oscillations of a two-dimensional electron system	MANUEL TORRES LABANSAT Kunold, A.	PHYSICA B-CONDENSED MATTER	2008
9	A software tool enabling the analysis of small lateral features without the use of a micro-beam	MANUEL TORRES LABANSAT Healy M.J.F. Painter J.D.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2006
10	Size-dependent symmetry breaking in models for morphogenesis	RAFAEL ANGEL BARRIO PAREDES JOSE LUIS ARAGON VERA MANUEL TORRES LABANSAT et al.	PHYSICA D-NONLINEAR PHENOMENA	2002
11	Right-handed neutrino production in dense and hot plasmas	JOSE ALEJANDRO AYALA MERCADO JUAN CARLOS D'OLIVO SAEZ MANUEL TORRES LABANSAT	NUCLEAR PHYSICS B	2000
12	Bound on the neutrino magnetic moment from chirality flip in supernovae	JOSE ALEJANDRO AYALA MERCADO JUAN CARLOS D'OLIVO SAEZ MANUEL TORRES LABANSAT	PHYSICAL REVIEW D	1999
13	QED symmetries in real-time thermal field theory	JUAN CARLOS D'OLIVO SAEZ MANUEL TORRES LABANSAT E Tututi	PHYSICAL REVIEW D	1997
14	Extended and localized vibrational modes in (1-3) Penrose-like piezocomposites	MANUEL TORRES LABANSAT Montero De Espinosa F.	APPLIED PHYSICS LETTERS	1994
15	Acoustic quasi-crystals	MANUEL TORRES LABANSAT Espinosa F.M.D. Pastor G. et al.	EPL	1993
16	An acoustic quasi-crystalline wave-field	MANUEL TORRES LABANSAT de Espinosa F.M. Pastor G. et al.	CHAOS SOLITONS & FRACTALS	1993
17	The atomic structure of the decagonal phase and its approximants as random coincidence networks	LUIS DAVID FERNANDO ROMEU CASAJUANA MANUEL TORRES LABANSAT JOSE LUIS ARAGON VERA et al.	JOURNAL OF PHYSICS-CONDENSED MATTER	1993
18	Finite-temperature corrections to the effective potential of neutrinos in a medium	MANUEL TORRES LABANSAT Nieves J.F. JUAN CARLOS D'OLIVO SAEZ	PHYSICAL REVIEW D	1992

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19	Nonisometric hyperlattices suitability to describe the approximant phases of the decagonal phase	MANUEL TORRES LABANSAT JOSE LUIS ARAGON VERA Jiménez I. et al.	EPL	1992
20	Configurational entropy of rational approximants of a decagonal quasilattice in a pure Phason approach	MANUEL TORRES LABANSAT LUIS DAVID FERNANDO ROMEU CASAJUANA JOSE LUIS ARAGON VERA et al.	Scripta Metallurgica Et Materiala	1992
21	The construction of platonic bodies from constant width continuous strips	MANUEL TORRES LABANSAT Jiménez I. Pastor G. et al.	International Journal of Mathematical Education in Science and Technology	1990
22	The construction of stellated regular polyhedral from constant width strips	MANUEL TORRES LABANSAT Jiménez I. Pastor G.	International Journal of Mathematical Education in Science and Technology	1990
23	How to give a sense to senseless vectors in plane	MANUEL TORRES LABANSAT Pastor G. Ferreira A. et al.	International Journal of Mathematical Education in Science and Technology	1989
24	The identification of homologous series of thiolanes and thianes possessing a linear carbon framework from petroleum and their interconversion under simulated geological conditions	MANUEL TORRES LABANSAT Payzant J.D. McIntyre D.D. et al.	ORGANIC GEOCHEMISTRY	1989
25	A continuous transformation of the 3d penrose tiling	MANUEL TORRES LABANSAT Pastor, G. Jimenez, I. et al.	PHASE TRANSITIONS	1989
26	Continuous Evolutions which Connect Quasilattices with Lattices	MANUEL TORRES LABANSAT Pastor, G. Jiménez, I. et al.	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	1989
27	Simple geometric models starting from a constant-width continuous strip	MANUEL TORRES LABANSAT Jiménez I. Pastor G.	JOURNAL OF CHEMICAL EDUCATION	1988
28	LOW PRESSURE CHEMICAL VAPOUR DEPOSITION AMORPHOUS SILICON BEHAVIOUR UNDER ANNEALING.	MANUEL TORRES LABANSAT Pastor G. Tejedor P. et al.	PHYS STATUS SOLIDI A	1988

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29	Triplet ground-state benzoylphenylmethylene and its quintet ground-state triplet-triplet radical pair	MANUEL TORRES LABANSAT Murai H. Safarik I. et al.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1988
30	Isotropic spatial axial radiations and notable polyhedra	MANUEL TORRES LABANSAT Gancedo E. Pastor G. et al.	International Journal of Mathematical Education in Science and Technology	1988
31	The gas-phase photolysis of perfluoro $\alpha$ -diazo ketones: Furan formation and the involvement of transient oxirenes	MANUEL TORRES LABANSAT Mahaffy P.G. Visser D. et al.	JOURNAL OF ORGANIC CHEMISTRY	1987
32	Computer-aided calibration of non-zero torque magnetometers	MANUEL TORRES LABANSAT Pastor G. Ferreira A.	Journal Of Physics E: Scientific Instruments	1986
33	Photoisomerization of furan, pyrrole and thiophene: The intermediate formation of their Dewar and ring contracted forms	MANUEL TORRES LABANSAT Rendall W.A. Lown E.N. et al.	Reviews Of Chemical Intermediates	1986
34	Dewar furan and Dewar thiophene: Low-temperature matrix photolysis of furan and thiophene	MANUEL TORRES LABANSAT Rendall W.A. Clement A. et al.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1986
35	Torque curve analysis of magnetic thin films	MANUEL TORRES LABANSAT Pastor G. Ferreira A.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1986
36	An approach to Stoner and Wohlfarth's historical problem based on Fourier analysis	MANUEL TORRES LABANSAT Pastor G. Ferreira A.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1986
37	COMMENT TO TORQUE CURVE ANALYSIS OF UNIAXIAL MAGNETIC SAMPLES.	MANUEL TORRES LABANSAT Pastor G. Ferreira A.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1986
38	Analysis of magnetization rotational processes in amorphous and crystallized Fe-Si thin films	MANUEL TORRES LABANSAT Alameda J.M. Contreras M.C. et al.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1986

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39	On the physical origin of in-plane anisotropy axis switch in oblique-deposited thin films	MANUEL TORRES LABANSAT Alameda J.M. López F.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1986
40	A comment to torque curve analysis of uniaxial magnetic samples	MANUEL TORRES LABANSAT Pastor G. Ferreiro A.	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	1986
41	Detection Of Keto-Thioxo- and Iminocarbenes and The Quintet State Triplet-Triplet Ketocarbene Radical Pairs	MANUEL TORRES LABANSAT Safarik, I. Murai, H. et al.	RESEARCH ON CHEMICAL INTERMEDIATES	1986
42	Simple case of mixed symmetries in the measurement of uniaxial magnetic anisotropies	MANUEL TORRES LABANSAT Pastor G.	JOURNAL OF APPLIED PHYSICS	1985
43	Generation and trapping of cyclopropene-3-carboxaldehyde and 2,3-butadienal in liquid furan photolysis	MANUEL TORRES LABANSAT Rendall W.A. Strausz O.P.	JOURNAL OF ORGANIC CHEMISTRY	1985
44	Dewar thiophene: Its generation and trapping with furan	MANUEL TORRES LABANSAT Rendall W.A. Strausz O.P.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1985
45	Pivalyl-r-butylmethylene and its quintet radical pair: Isolation and ESR detection	MANUEL TORRES LABANSAT Murai H. Ribo J. et al.	CHEMICAL PHYSICS LETTERS	1983
46	Perfluoroacetylmethylmethylene and its quintet radical pair: Isolation and ESR detection	MANUEL TORRES LABANSAT Murai H. Ribo J. et al.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1981
47	Electron spin resonance of iminocyclohexadienylidenes: Photoinduced triplet geometrical isomerization [5]	MANUEL TORRES LABANSAT Murai H. Strausz O.P.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1980
48	Quintet state triplet-triplet radical pairs. 2 [18]	MANUEL TORRES LABANSAT Murai H. Strausz O.P.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1980
49	Normal coordinate analysis for the IR spectra of thiirene and deuterated thiirenes	MANUEL TORRES LABANSAT Safarik I. Strausz O.P.	CHEMICAL PHYSICS LETTERS	1980
50	The electron spin resonance spectrum of dibenzoylmethylene	MANUEL TORRES LABANSAT Murai H. Strausz O.P.	CHEMICAL PHYSICS LETTERS	1980



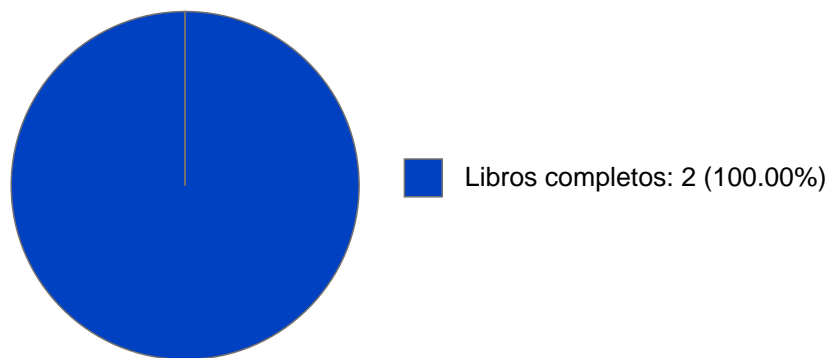
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51	A quintet-state triplet-triplet radical pair [3]	MANUEL TORRES LABANSAT Murai H. Strausz O.P.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1980
52	Detection of thiobenzoylphenylmethylene by electron spin resonance spectroscopy [12]	MANUEL TORRES LABANSAT Murai H. Strausz O.P.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	1979
53	Gas-phase photolysis of 1,2,3-thiadiazoles: Evidence for thiirene intermediates	MANUEL TORRES LABANSAT Font J. Gunning H.E. et al.	JOURNAL OF ORGANIC CHEMISTRY	1978

**MANUEL TORRES LABANSAT**

**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**



#	Título	Autores	Alcance	Año	ISBN
1	Retos y perspectivas de la física	MANUEL TORRES LABANSAT	Libro Completo	2018	9786078379309
2	Memorias de la XIX escuela de verano en física. Julio 25 agosto 5, 2011	ROCIO JAUREGUI RENAUD MANUEL TORRES LABANSAT	Libro Completo	2012	9786070240034





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**PARTICIPACIÓN EN PROYECTOS**

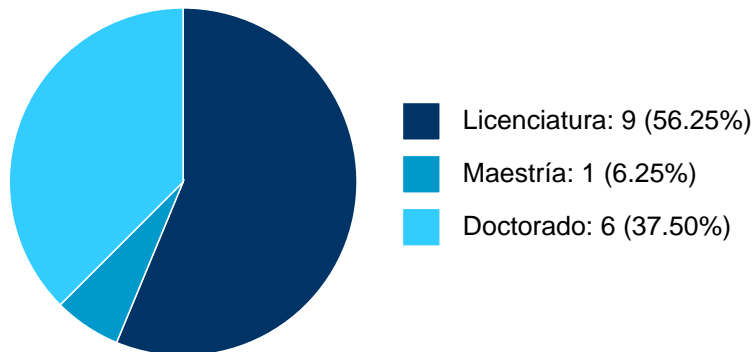
**No se encuentran registros en la base de datos de SISEPRO asociados a:**

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### PARTICIPACIÓN EN TESIS

#### Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Rompimiento espontáneo de la simetría y configuraciones extendidas en un potencial con dos familias continuas de estados base	Tesis de Licenciatura	MANUEL TORRES LABANSAT,	Lozano Mayo, Jonathan,	Instituto de Física,	2020
2	Efectos cuasirelativistas del grafeno en interacción con campos electromagnéticos	Tesis de Doctorado	MANUEL TORRES LABANSAT,	Milpas Rosas, Enrique,	Instituto de Física,	2017
3	Electrodinámica y gravedad de Chern-Simons	Tesis de Doctorado	MANUEL TORRES LABANSAT,	LUIS FERNANDO URRUTIA RIOS, Martín Ruiz, Alberto,	Instituto de Ciencias Nucleares, Instituto de Física,	2016
4	Modelo no lineal de transporte del espín	Tesis de Maestría	MANUEL TORRES LABANSAT,	Sandoval Santana, Juan Carlos,	Instituto de Física,	2013
5	Fase geométrica de una partícula con espín 1/2 en un campo magnético cuántico	Tesis de Licenciatura	JERONIMO ALONSO CORTEZ QUEZADA,	EDUARDO NAHMAD ACHAR, MANUEL TORRES LABANSAT, et al.	Facultad de Ciencias, Instituto de Ciencias Nucleares, Instituto de Física,	2012

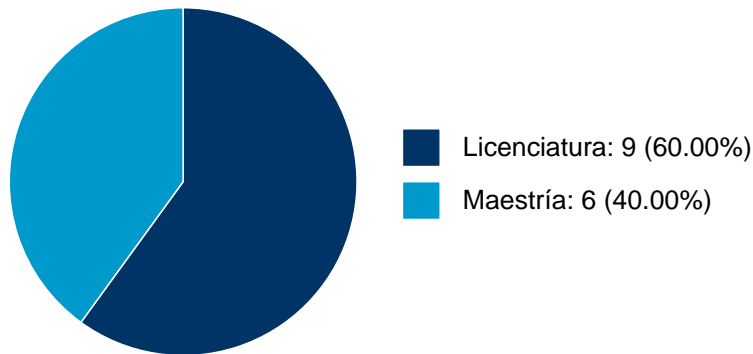
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6	Propagación y oscilación de neutrinos en una Fireball de Gamma-Ray Burst (GRB)	Tesis de Doctorado	SARIRA SAHU,	MANUEL TORRES LABANSAT, Fraija Cabrera, Nissim Illich,	Instituto de Ciencias Nucleares, Instituto de Física,	2010
7	Neutrinos de dirac y majorana	Tesis de Licenciatura	MANUEL TORRES LABANSAT,	Milpas Rosas, Enrique,		2005
8	Electrones de Bloch y efecto hall cuantico	Tesis de Doctorado	MANUEL TORRES LABANSAT,	Kunold Bello, Alejandro,		2003
9	Neutrinos masivos : oscilaciones en el vacio	Tesis de Licenciatura	MANUEL TORRES LABANSAT,	Manzur Martinez, Angel,		2002
10	Algunas consideraciones acerca de la invariancia de norma a temperatura finita	Tesis de Doctorado	MANUEL TORRES LABANSAT,	Tututi Hernandez, Eduardo Salvador,		1997
11	Algunos aspectos de vortices y solitones en teoria de campo	Tesis de Doctorado	ARMANDO ANTILLON DIAZ,	MANUEL TORRES LABANSAT, Escalona Segura, Joaquin,		1993
12	El enigma de los neutrinos solares	Tesis de Licenciatura	MANUEL TORRES LABANSAT,	Mota Porras, Gregorio,		1993
13	La Interaccion antikaón-protón a bajas energías	Tesis de Licenciatura	MANUEL TORRES LABANSAT,	Hernández Fenton, Flavio Gabriel,		1990
14	Aspectos relativistas y cuánticos de la interacción de un dipolo eléctrico y magnético y su relación con el oscilador de Dirac	Tesis de Licenciatura	MANUEL TORRES LABANSAT,	Ayala Mercado, José Raúl,		1990
15	Propiedades electromagneticas del modelo de Skyrme	Tesis de Licenciatura	MANUEL TORRES LABANSAT,	Macorra Pettersson Moriel, Axel Ricardo de la,		1988
16	Monopolos magneticos en teorías de Yang-Mills	Tesis de Licenciatura	MANUEL TORRES LABANSAT,	Mondragón, Myriam,		1987

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### DOCENCIA IMPARTIDA

#### Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	ELECTRODINÁMICA CLÁSICA I	Instituto de Física	4	2023-1
2	Maestría	ELECTRODINÁMICA CLÁSICA I	Instituto de Física	7	2022-1
3	Maestría	ELECTRODINÁMICA CLÁSICA I	Instituto de Física	10	2021-1
4	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	9	2020-1
5	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	16	2019-1
6	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	19	2018-2
7	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	18	2017-1
8	Licenciatura	ELECTROMAGNETISMO II	Facultad de Ciencias	14	2014-2
9	Licenciatura	ELECTROMAGNETISMO II	Facultad de Ciencias	25	2013-1
10	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2012-2
11	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2012-1
12	Licenciatura	ELECTROMAGNETISMO II	Facultad de Ciencias	15	2011-2
13	Maestría	ELECTRODINAMICA CLASICA	Instituto de Física	20	2010-2
14	Licenciatura	FISICA NUCLEAR Y SUBNUCLEAR	Facultad de Ciencias	10	2009-2
15	Licenciatura	ELECTROMAGNETISMO II	Facultad de Ciencias	8	2008-2



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**Reporte individual**



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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	2008-2024
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