



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



HECTOR ROMAN PEREZ ENRIQUEZ

Datos Generales

Nombre: HECTOR ROMAN PEREZ ENRIQUEZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 44 años

Nombramientos

Último: INVESTIGADOR TITULAR C TC Definitivo
Centro de Geociencias en Juriquilla, Querétaro
Desde 01-01-2008 (fecha inicial de registros en el
SIIA) hasta 30-09-2019

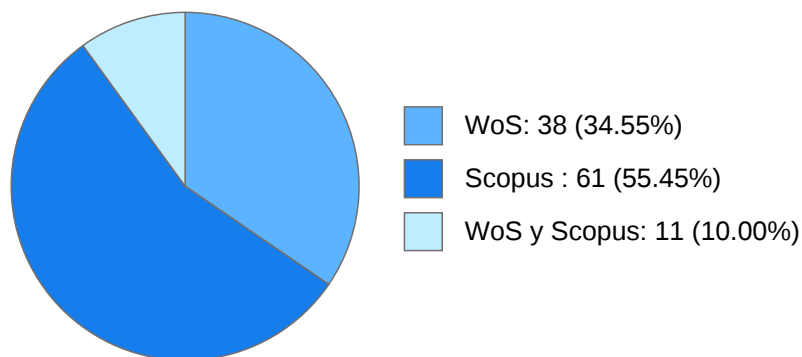
Estímulos, programas, premios y reconocimientos

SNI II 2009 - 2023
PRIDE D - 2019
PRIDE C 2008

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Evolution of an electron beam pulse influenced by coulomb collision effects in the solar corona	GILBERTO ARMANDO CASILLAS PEREZ ARMANDO CARRILLO VARGAS HECTOR ROMAN PEREZ ENRIQUEZ et al.	ADVANCES IN SPACE RESEARCH	2020
2	Space, time and velocity association of successive coronal mass ejections	ALEJANDRO LARA SANCHEZ ROSA TATIANA NIEMBRO HERNANDEZ HECTOR ROMAN PEREZ ENRIQUEZ et al.	ASTRONOMY & ASTROPHYSICS	2020
3	Examination of seismo-ionospheric anomalies before earthquakes of $M(w) \geq 5.1$ for the period 2008-2015 in Oaxaca, Mexico using GPS-TEC	HECTOR ROMAN PEREZ ENRIQUEZ Angela Melgarejo-Morales G. Esteban Vazquez-Becerra et al.	ACTA GEOPHYSICA	2020
4	Study of Solar Radio Spikes and Their Relation to Energetic Solar Events	GILBERTO ARMANDO CASILLAS PEREZ ARMANDO CARRILLO VARGAS HECTOR ROMAN PEREZ ENRIQUEZ et al.	SOLAR PHYSICS	2019
5	Radio signal anomalies detected with MEXART in 2012 during the recovery phase of geomagnetic storms	ARMANDO CARRILLO VARGAS HECTOR ROMAN PEREZ ENRIQUEZ MARIO RODRIGUEZ MARTINEZ et al.	ADVANCES IN SPACE RESEARCH	2016
6	Evolution of electron beam pulses of short duration in the solar corona	GILBERTO ARMANDO CASILLAS PEREZ HECTOR ROMAN PEREZ ENRIQUEZ Jeyakumar, S. et al.	ADVANCES IN SPACE RESEARCH	2016

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7	Evolution of electron beam pulses of short duration in the solar corona	GILBERTO ARMANDO CASILLAS PEREZ HECTOR ROMAN PEREZ ENRIQUEZ Jeyakumar, S. et al.	ADVANCES IN SPACE RESEARCH	2016
8	Fractal and wavelet analysis evaluation of the mid latitude ionospheric disturbances associated with major geomagnetic storms	Rebeca LopezMontes HECTOR ROMAN PEREZ ENRIQUEZ JOSE LOPEZ CRUZ ABEYRO et al.	ADVANCES IN SPACE RESEARCH	2015
9	Ionospheric Disturbances and Their Impact on IPS Using MEXART Observations	M. Rodriguez Martinez HECTOR ROMAN PEREZ ENRIQUEZ ARMANDO CARRILLO VARGAS et al.	SOLAR PHYSICS	2014
10	Collapse of nonlinear surface dust sound waves in the dusty plasma-dielectric system	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Grimalsky, V. et al.	PHYSICA SCRIPTA	2012
11	The impact of large solar events on the total electron content of the ionosphere at mid latitudes	Rebeca Lopez Montes HECTOR ROMAN PEREZ ENRIQUEZ Araujo-Pradere, Eduardo A.	ADVANCES IN SPACE RESEARCH	2012
12	Ionospheric disturbances detected by MEXART	ARMANDO CARRILLO VARGAS HECTOR ROMAN PEREZ ENRIQUEZ MARIO RODRIGUEZ MARTINEZ et al.	ADVANCES IN SPACE RESEARCH	2012
13	Experimental studies of anomalous radon activity in the Tlamacas Mountain, Popocatepetl Volcano area, Mexico: new tools to study lithosphere-atmosphere coupling for forecasting	ANATOLIY KOTSARENKO Ana Gabriela Bravo Osuna HECTOR ROMAN PEREZ ENRIQUEZ et al.	ANNALS OF GEOPHYSICS	2012
14	Waves and instabilities in the magnetospheric plasma of saturn	MARIO RODRIGUEZ MARTINEZ XOCHITL GUILLERMINA BLANCO CANO HECTOR ROMAN PEREZ ENRIQUEZ et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2011
15	Detection of electromagnetic anomalies of three earthquakes in Mexico with an improved statistical method	HECTOR ROMAN PEREZ ENRIQUEZ JOSE LOPEZ CRUZ ABEYRO ANATOLIY KOTSARENKO et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2011
16	Analysis of explosions and seismic phenomena based on electromagnetic cracking of piezoelectric and piezomagnetic plates	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Koshevaya, S. et al.	NATURAL HAZARDS	2011
17	On the modulation of intensity of Alfven resonances before earthquakes: Observations and model	ANATOLIY KOTSARENKO S. Pulinets HECTOR ROMAN PEREZ ENRIQUEZ et al.	JOURNAL OF ATMOSPHERIC AND SOLAR-TERREST RIAL PHYSICS	2010

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18	Detection of ULF geomagnetic signals associated with seismic events in Central Mexico using Discrete Wavelet Transform	HECTOR ROMAN PEREZ ENRIQUEZ JORGE ARTURO ARZATE FLORES ANATOLIY KOTSARENKO et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2010
19	Propagation of non-linear ion-sound pulses in dusty plasma waveguides	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Grimalsky, V. V. et al.	ADVANCES IN SPACE RESEARCH	2009
20	State of the inner heliosphere as given by the G index of interplanetary scintillation and the Dst index of geomagnetic activity	HECTOR ROMAN PEREZ ENRIQUEZ A. Carrillo ANATOLIY KOTSARENKO et al.	Journal Of Geophysical Research	2008
21	Geomagnetic anomalies observed at volcano Popocatepetl, Mexico	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ JOSE LOPEZ CRUZ ABEYRO et al.	Advances in Geosciences	2008
22	Electromagnetic emission from magnetite plate cracking under seismic processes	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Koshevaya S. et al.	Advances in Geosciences	2008
23	ULF geomagnetic anomalies of possible seismogenic origin observed at Teoloyucan station, México, in 1999-2001: Intermediate and short-time analysis	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ López Cruz-Abeyro J.A. et al.	Tectonophysics	2007
24	Volcano Popocatepetl, Mexico: ULF geomagnetic anomalies observed at Tlamacas station during March-July, 2005	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ CARLOS MIGUEL VALDES GONZALEZ et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2007
25	Propagation of linear and nonlinear ion-sound monopulses in dusty plasma waveguides	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Grimalsky V.V. et al.	PHYSICA SCRIPTA	2007
26	The mexican array radio telescope (MEXART). an interplanetary scintillation array in Mexico in the IHY	JUAN AMERICO GONZALEZ ESPARZA STANLEY EUGENE KURTZ SMITH HECTOR ROMAN PEREZ ENRIQUEZ et al.	Proceedings Of The 30th International Cosmic Ray Conference, Icrc 2007	2007
27	Transparency change of the ionosphere for cosmic radio waves caused by acoustic pulse of ultra low frequency range	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Koshevaya S. et al.	Tectonophysics	2007
28	The G index of interplanetary scintillation data and its relation to forbush decreases during 1991-1994	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Cruz Abeyro J.A.L. et al.	SOLAR PHYSICS	2006

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29	Fractal character of G index of IPS data for the period 1991-1994, obtained from multiscale wavelet analysis	HECTOR ROMAN PEREZ ENRIQUEZ Rodríguez C. ARMANDO CARRILLO VARGAS	ADVANCES IN SPACE RESEARCH	2006
30	Calibration and testing of the MEXART antenna using solar transits	JUAN AMERICO GONZALEZ ESPARZA HECTOR ROMAN PEREZ ENRIQUEZ STANLEY EUGENE KURTZ SMITH et al.	ADVANCES IN SPACE RESEARCH	2006
31	Investigation of ULF magnetic anomaly during Izu earthquake swarm and Miyakejima volcano eruption at summer 2000, Japan	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Molchanov O. et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2005
32	Increase of the transparency for cosmic radio waves due to the decrease of density of the ionosphere caused by acoustic waves	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Koshevaya S.V. et al.	PHYSICA SCRIPTA	2005
33	Possible seismogenic origin of changes in the ULF EM resonant structure observed at Teoloyucan geomagnetic station, Mexico, 1999-2001	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Molchanov O. et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2005
34	Penetration of the electric and magnetic field components of Schumann resonances into the ionosphere	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Grimalsky V. et al.	ANNALES GEOPHYSICAE	2005
35	Mexart measurements of radio sources	HECTOR ROMAN PEREZ ENRIQUEZ STANLEY EUGENE KURTZ SMITH González-Esparza A. et al.	European Space Agency, (special Publication) Esa Sp	2005
36	Acoustic and acousto-gravity wave pulses caused by sources of seismic origin	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Koshevaya S.V. et al.	PHYSICA SCRIPTA	2004
37	Interpretation of the microwave non-thermal radiation of the Moon during impact events	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Grimalsky V. et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2004
38	Penetration of electric and magnetic field components of schumann resonances into the ionosphere	HECTOR ROMAN PEREZ ENRIQUEZ Grimalsky, V. Kotsarcenko, A. et al.	IEEE International Symposium on Electromagneti c Compatibility	2003
39	Nonlinear excitation of ULF atmosphere-ionosphere waves and magnetic perturbations caused by ELF seismic acoustic bursts	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Grimalsky V.V. et al.	PHYSICA SCRIPTA	2003

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40	On the problem of additional sources of microwave radiation in space plasma	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Malnev V.N. et al.	PLANETARY AND SPACE SCIENCE	2003
41	Nonlinear transformation of seismic waves into ultra-low frequency atmospheric acoustic waves	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Koshevaya S.V. et al.	Systems Analysis Modelling Simulation	2002
42	Size distributions of the > 10 MeV solar proton events	BLANCA EMMA MENDOZA ORTEGA HECTOR ROMAN PEREZ ENRIQUEZ Miroshnichenko L.I.	SOLAR PHYSICS	2001
43	Magnetic perturbations excited by seismic waves	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Koshevaya S.V. et al.	PHYSICA SCRIPTA	2001
44	The event of 21 June 1980 and the origin of solar cosmic rays	HECTOR ROMAN PEREZ ENRIQUEZ Rodríguez Taboada R.E. Méndez Berhondo A.L.	GEOFISICA INTERNACIONAL	2000
45	Large solar event of September 29, 1989: Ten years after	HECTOR ROMAN PEREZ ENRIQUEZ Miroshnichenko L.I. De Koning C.A.	SPACE SCIENCE REVIEWS	2000
46	Energy spectra of accelerated solar protons from different sources: I. Reconstruction and Properties of the Source Spectrum	HECTOR ROMAN PEREZ ENRIQUEZ BLANCA EMMA MENDOZA ORTEGA Miroshnichenko L.I.	SOLAR PHYSICS	1999
47	Frequency distributions of solar gamma ray events related and not related with SPEs in 1980-1995	HECTOR ROMAN PEREZ ENRIQUEZ Miroshnichenko L.I.	SOLAR PHYSICS	1999
48	CME associations with quiet and active solar features	HECTOR ROMAN PEREZ ENRIQUEZ Taboada R.E.R. Moreno G.G. et al.	NEW ASTRONOMY	1998
49	Microwave and soft x-ray study of solar active region evolution	ALEJANDRO LARA SANCHEZ HECTOR ROMAN PEREZ ENRIQUEZ Gopalswamy N. et al.	SOLAR PHYSICS	1998
50	The detection of electromagnetic processes in the ionosphere caused by seismic activity	HECTOR ROMAN PEREZ ENRIQUEZ Koshevaya S.V. Kotsarenko N.Ya.	GEOFISICA INTERNACIONAL	1997
51	CME phenomenology in different solar magnetic scenarios	HECTOR ROMAN PEREZ ENRIQUEZ Rodríguez Taboada R. Gil Moreno G. et al.	ASTROPHYSICS AND SPACE SCIENCE	1997
52	The cosmic-ray 1.68-year variation: A clue to understand the nature of the solar cycle?	JOSE FRANCISCO VALDES GALICIA HECTOR ROMAN PEREZ ENRIQUEZ Otaola J.A.	SOLAR PHYSICS	1996
53	Excitation of plasma waves in the ionosphere caused by atmospheric acoustic waves	HECTOR ROMAN PEREZ ENRIQUEZ Kotsarenko N.Ya. Koshevaya S.V.	ASTROPHYSICS AND SPACE SCIENCE	1996

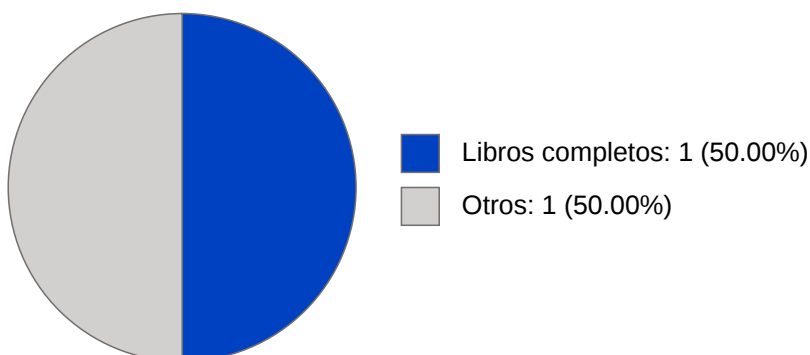
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54	The role of flares, CMEs and CME shocks in the generation of solar energetic proton events	HECTOR ROMAN PEREZ ENRIQUEZ Mendoza B.	SOLAR PHYSICS	1995
55	The association of Coronal Mass Ejections during solar maximum times with the heliomagnetic current sheet	HECTOR ROMAN PEREZ ENRIQUEZ Mendoza B.	ADVANCES IN SPACE RESEARCH	1993
56	The geomagnetic response to the Earth's crossing of the heliospheric current sheet	HECTOR ROMAN PEREZ ENRIQUEZ Mendoza B.	ADVANCES IN SPACE RESEARCH	1993
57	Solar activity and 'El Niño'	HECTOR ROMAN PEREZ ENRIQUEZ Mendoza B.	GEOFISICA INTERNACIONAL	1992
58	The intense solar activity of march 1989 as a precursor for the occurrence of an ENSO by the end of 1989	HECTOR ROMAN PEREZ ENRIQUEZ Mendoza B. Alvarez-Madrigal M.	SOLAR PHYSICS	1990
59	Shock wave associated irregularities in the interplanetary magnetic field	HECTOR ROMAN PEREZ ENRIQUEZ JOSE FRANCISCO VALDES GALICIA Mendoza B. et al.	American Society Of Mechanical Engineers (paper)	1989
60	Solar activity and El Niño: the auroral connection	HECTOR ROMAN PEREZ ENRIQUEZ Mendoza B. Alvarez-Madrigal M.	NUOVO CIMENTO C	1989
61	On the role of energetic particles in solar flares	HECTOR ROMAN PEREZ ENRIQUEZ	SOLAR PHYSICS	1985
62	The structure of the interplanetary medium during the first stip interval (September-October 1975) and prerelease of energetic solar particles	HECTOR ROMAN PEREZ ENRIQUEZ Kakaletris P. Moussas X. et al.	ASTROPHYSICS AND SPACE SCIENCE	1982

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

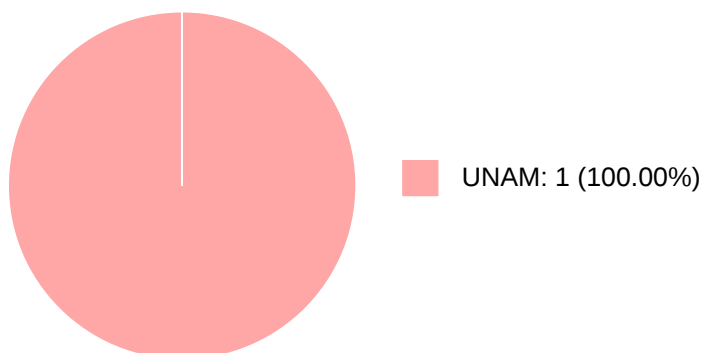


#	Título	Autores	Alcance	Año	ISBN
1	Investigación de la ionosfera a altitudes bajas e intermedias de México	MARIO RODRIGUEZ MARTINEZ HECTOR ROMAN PEREZ ENRIQUEZ ARMANDO CARRILLO VARGAS et al.	Libro Completo	2017	9786070296994
2	Observation of ULF geomagnetic anomalies at tlamacas station, volcano Popocatepetl, in 2005	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ JOSE LOPEZ CRUZ ABEYRO et al.	Conferencia e Paper	2007	1424412706

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Física solar y relaciones Sol-Tierra	HECTOR ROMAN PEREZ ENRIQUEZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2018	31-12-2019



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PARTICIPACIÓN EN TESIS

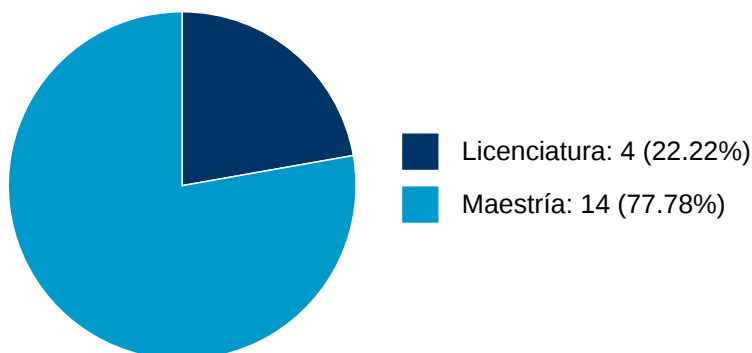
No se encuentran registros en la base de datos de TESIUNAM asociados a:

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	INTRODUCCION A CIENCIAS DE LA TIERRA	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURIQUILLA, QRTO.	26	2019-1
2	Licenciatura	INTRODUC.A LS CIENCIAS D LA TIERRA	Facultad de Ciencias	22	2018-1
3	Maestría	TEMA SELECTO DE TIERRA SOLIDA	Centro de Geociencias en Juriquilla, Querétaro	1	2015-2
4	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO	Centro de Geociencias en Juriquilla, Querétaro	1	2015-1
5	Maestría	ELECTRODINAMICA ESPACIAL	Centro de Geociencias en Juriquilla, Querétaro	1	2014-2
6	Maestría	SEMINARIO DE INVESTIGACION	Centro de Geociencias en Juriquilla, Querétaro	1	2014-2
7	Maestría	TEMA SELECTO DE TIERRA SOLIDA	Centro de Geociencias en Juriquilla, Querétaro	4	2014-2
8	Maestría	FISICA SOLAR	Centro de Geociencias en Juriquilla, Querétaro	2	2014-1
9	Licenciatura	INTRODUC.A LS CIENCIAS D LA TIERRA	Facultad de Ciencias	27	2014-1
10	Licenciatura	INTRODUC.A LS CIENCIAS D LA TIERRA	Facultad de Ciencias	18	2013-1
11	Maestría	FISICA INOSFERICA	Centro de Geociencias en Juriquilla, Querétaro	1	2012-1
12	Maestría	ELECTRODINAMICA ESPACIAL	Centro de Geociencias en Juriquilla, Querétaro	1	2011-2

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13	Maestría	TEMA SELECTO	Centro de Geociencias en Juriquilla, Querétaro	1	2010-2
14	Maestría	SEMINARIO DE INVESTIGACION	Centro de Geociencias en Juriquilla, Querétaro	1	2010-1
15	Maestría	FISICA INOSFERICA	Centro de Geociencias en Juriquilla, Querétaro	1	2010-1
16	Maestría	MATEMATICAS DE LA FISICA	Centro de Geociencias en Juriquilla, Querétaro	1	2009-2
17	Maestría	ELECTRODINAMICA ESPACIAL	Centro de Geociencias en Juriquilla, Querétaro	1	2009-2
18	Maestría	PROCESAMIENTO DE DATOS GEOFISICOS	Centro de Geociencias en Juriquilla, Querétaro	1	2009-1



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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