



ANATOLIY KOTSARENKO

Datos Generales

Nombre: ANATOLIY KOTSARENKO

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 12 años

Nombramientos

Último: INVESTIGADOR TITULAR A TC No Definitivo
Centro de Geociencias en Juriquilla, Querétaro
Desde 01-01-2008 (fecha inicial de registros en el
SIIA) hasta 31-08-2013

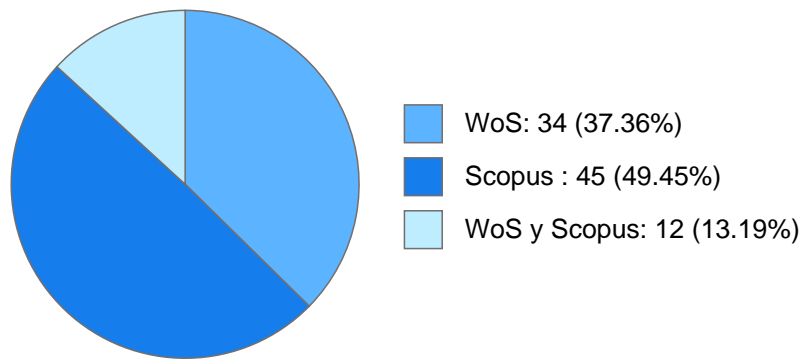
Estímulos, programas, premios y reconocimientos

SNI I 2023
SNI I 2018 - 2020
SNI II 2014 - 2017
SNI I - 2013
PRIDE Candidato 2012 - 2013
PRIDE Candidato - 2012

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Geomagnetic anomalies in the area of Popocatepetl volcano, Mexico	ANATOLIY KOTSARENKO Yutsis V. Grimalsky V. et al.	GEOFISICA INTERNACIONAL	2018
2	Self-action of intense millimeter waves in waveguides with integrated P-I-N structures	ANATOLIY KOTSARENKO Moroz I. Grimalsky V.V. et al.	Radioelectronics and Communications Systems	2018
3	Collapse of the surface dusty plasma waves under the plasma?beam instability	ANATOLIY KOTSARENKO Grimalsky V. Koshevaya S. et al.	EUROPEAN PHYSICAL JOURNAL D	2017
4	Collapse of nonlinear electron plasma waves in a plasma layer	ANATOLIY KOTSARENKO Grimalsky V. Koshevaya S. et al.	PHYSICA SCRIPTA	2016
5	Novel ST-MUSIC-based spectral analysis for detection of ULF geomagnetic signals anomalies associated with seismic events in Mexico	ANATOLIY KOTSARENKO Chavez, Omar Pablo Amezcuita-Sanchez, Juan et al.	GEOMATICS NATURAL HAZARDS & RISK	2016
6	Collapse of nonlinear dust sound pulses in dusty plasma waveguides	ANATOLIY KOTSARENKO Bustos De La Rosa M.E. Grimalsky V. et al.	Progress in Electromagnetics Research Symposium	2013
7	Environmental and indoor study of Radon concentration in San Joaquin area, Queretaro, Mexico, first results	N. A. Hinojo Alonso ANATOLIY KOTSARENKO GILBERTO HERNANDEZ SILVA et al.	RADIATION MEASUREMENTS	2013

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8	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
9	Experimental studies of anomalous radon activity in the Tlamanca 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
10	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
11	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
12	On the modulation of intensity of Alfvén resonances before earthquakes: Observations and model	ANATOLIY KOTSARENKO S. Pulinets HECTOR ROMAN PEREZ ENRIQUEZ et al.	JOURNAL OF ATMOSPHERIC AND SOLAR-TERRRESTRIAL PHYSICS	2010
13	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
14	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
15	Geomagnetic anomalies observed at volcano Popocatepetl, Mexico	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ JOSE LOPEZ CRUZ ABEYRO et al.	Advances in Geosciences	2008
16	Electromagnetic emission from magnetite plate cracking under seismic processes	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ Koshevaya S. et al.	Advances in Geosciences	2008
17	Evidence of a new electromagnetic resonance discovered at Teoloyucan geomagnetic station, Mexico?	ANATOLIY KOTSARENKO R. Perez Enriquez JOSE LOPEZ CRUZ ABEYRO et al.	GEOFISICA INTERNACIONAL	2008
18	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

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19	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
20	An influence of geomagnetic field on stimulated and free oscillations in Schumann resonator	ANATOLIY KOTSARENKO Grimalsky V. Koshevaya S. et al.	7th International Symposium On Electromagneti c Compatibility And Electromagneti c Ecology The Proceedings, Emceco	2007
21	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
22	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
23	Special case of ionospheric day-to-day variability associated with earthquake preparation	ANATOLIY KOTSARENKO Pulinets S.A. Ciraolo L. et al.	ADVANCES IN SPACE RESEARCH	2007
24	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
25	Interaction of linear and nonlinear ion-sound waves with inclusions of dusty plasma	ANATOLIY KOTSARENKO Grimalsky V.V. Koshevaya S.V. et al.	PHYSICA SCRIPTA	2006
26	Thermal, atmospheric and ionospheric anomalies around the time of the Colima M7.8 earthquake of 21 January 2003	AMANDO LEYVA CONTRERAS ANATOLIY KOTSARENKO Pulinets S.A. et al.	ANNALES GEOPHYSICAE	2006
27	The G index of interplanetary scintillation data and its relation to forrush decreases during 1991–1994	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Cruz Abeyro J.A.L. et al.	SOLAR PHYSICS	2006
28	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

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29	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
30	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
31	Spectrum of the seismic-electromagnetic and acoustic waves caused by seismic and volcano activity	ANATOLIY KOTSARENKO Koshevaya S. Makarets N. 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	Modeling of nonlinear passage of acoustic waves caused by underground fracturing through the lithosphere	ANATOLIY KOTSARENKO Koshevaya S. Hayakawa M. et al.	PHYSICS AND CHEMISTRY OF THE EARTH	2004
34	Electromagnetic emission caused by the fracturing of piezoelectric crystals with an arbitrarily oriented moving crack	ANATOLIY KOTSARENKO Gernets A.A. Makarets M.V. et al.	PHYSICS AND CHEMISTRY OF THE EARTH	2004
35	Analysis of the ULF electromagnetic emission related to seismic activity, Teoloyucan geomagnetic station, 1998-2001	ANATOLIY KOTSARENKO FRANCISCO RAMON ZUÑIGA DAVILA MADRID Pérez Enríques R. et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2004
36	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
37	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
38	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
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
40	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

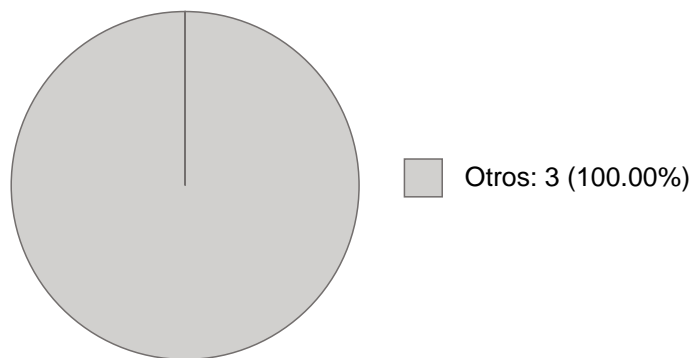
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41	Magnetic perturbations excited by seismic waves	HECTOR ROMAN PEREZ ENRIQUEZ ANATOLIY KOTSARENKO Koshevaya S.V. et al.	PHYSICA SCRIPTA	2001
42	Condensation production in comet tail plasma	ANATOLIY KOTSARENKO Koshevaya S.V. Tecpoyotl-T. M. et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2000
43	Nonlinear electromagnetic waves in a multicomponent plasma	ANATOLIY KOTSARENKO Kotsarenko N.Ya. Stewart G.A. et al.	PHYSICA SCRIPTA	1999
44	Low frequency surface waves in the magnetized dusty plasma	ANATOLIY KOTSARENKO Kotsarenko N.Ya. Silich S.A.	PLANETARY AND SPACE SCIENCE	1998
45	Low frequency electromagnetic and kinetic Alfvén waves in a magnetized dusty plasma	ANATOLIY KOTSARENKO Kotsarenko N.Ya. Koshevaya S.V.	PHYSICA SCRIPTA	1997

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Simulation of electromagnetic wave propagation through dielectric waveguide with P-I-N control element	ANATOLIY KOTSARENKO Moroz I. Koshevaya S. et al.	Conferenc e Paper	2008	9781424426881
2	Laboratory of communication and control for training of students	OLEG KOLOKOLTSEV ANATOLIY KOTSARENKO Kotsarenko Yu. et al.	Conferenc e Paper	2007	978839066628 0
3	Observation of ULF geomagnetic anomalies at tlamacas station, volcano Popocatepetl, in 2005	ANATOLIY KOTSARENKO HECTOR ROMAN PEREZ ENRIQUEZ JOSE LOPEZ CRUZ ABEYRO et al.	Conferenc e Paper	2007	1424412706



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Simplificación de la Gestión Institucional
Reporte individual



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PARTICIPACIÓN EN PROYECTOS

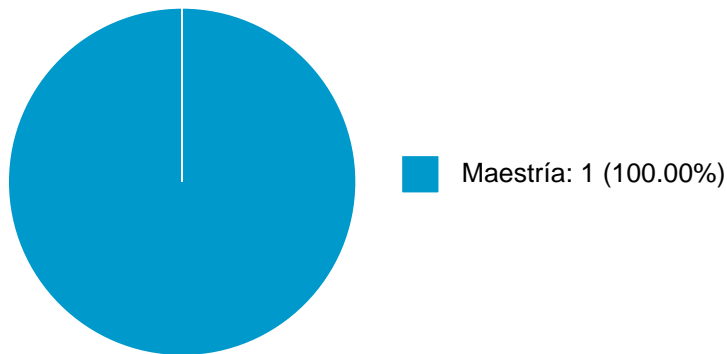
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

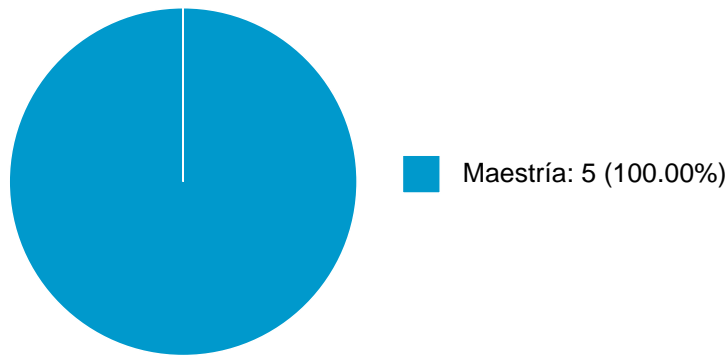


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Monitoreo multi-método de fenómenos electromagnéticos relacionados con actividad sísmica y volcánica en Popocatepetl	Tesis de Maestría	ANATOLIY KOTSARENKO,	Bravo Osuna, Ana Gabriela,	Centro de Geociencias en Juriquilla, Querétaro,	2013

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	PROCESAMIENTO DE DATOS GEOFISICOS	Centro de Geociencias en Juriquilla, Querétaro	4	2012-1
2	Maestría	SEMINARIO DE INVESTIGACION	Centro de Geociencias en Juriquilla, Querétaro	1	2011-2
3	Maestría	ELECTRODINAMICA ESPACIAL	Centro de Geociencias en Juriquilla, Querétaro	1	2011-2
4	Maestría	TEMA SELECTO	Centro de Geociencias en Juriquilla, Querétaro	3	2010-2
5	Maestría	TEMA SELECTO	Centro de Geociencias en Juriquilla, Querétaro	3	2008-2



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Simplificación de la Gestión Institucional
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	2008-2025
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