

ALFONSO SALINAS EXTREMERA

Grupo de Investigación: **ELECTRODINÁMICA DE FENÓMENOS TRANSITORIOS (Cod.: TIC190)**

Departamento: Universidad de Granada. Electromagnetismo y Física de la Materia

Citas en Google Scholar: <https://scholar.google.es/citations?user=ooV-DsAAAAAJ&hl=es>

Código ORCID: <http://orcid.org/0000-0003-0899-1702>

Correo electrónico: asalinas@ugr.es

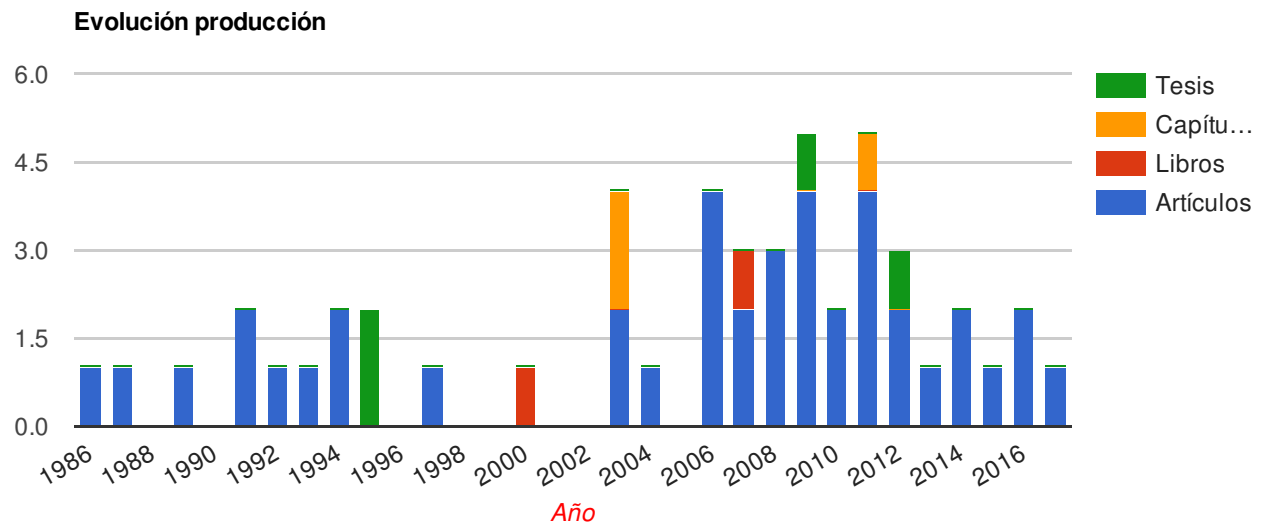
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Ficha del Directorio

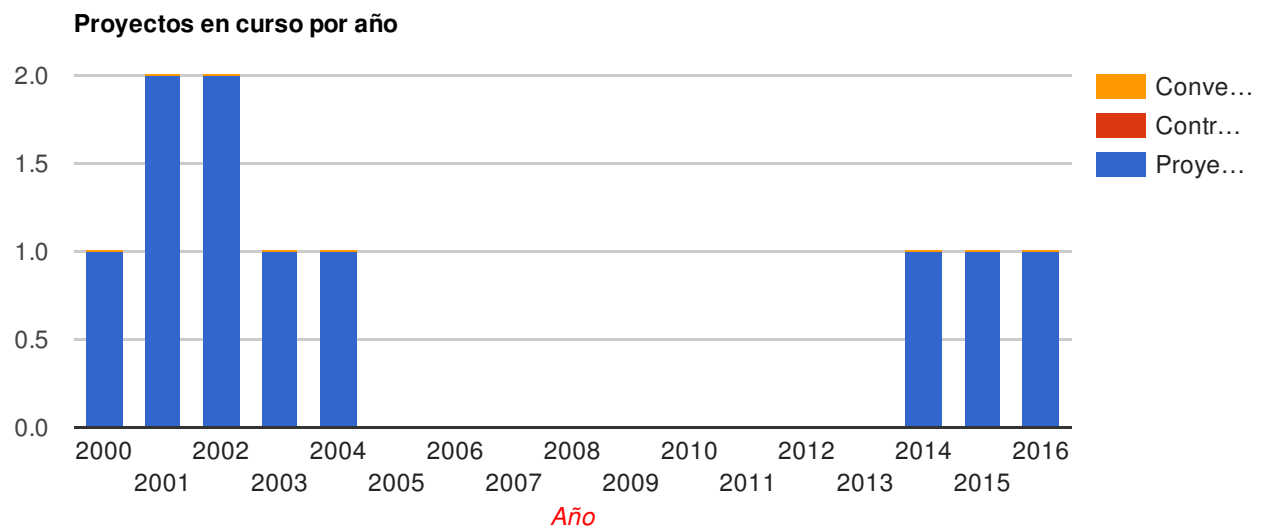
Producción 50

Artículos (41) Libros (2) Capítulos de Libros (3) Tesis dirigidas (4)



Proyectos dirigidos 4

Proyectos (4) Contratos (0) Convenios (0)



Actividades 0

Titulo publicación	Fuente	Tipo	Fecha
Schumann resonances at mars: effects of the day-night asymmetry and the dust loaded ionosphere	Geophysical research letters	Articulo	2017
Full 3-d tlm simulations of the earth-ionosphere cavity: effect of conductivity on the schumann resonances	Journal of geophysical research	Articulo	2016
Solar storm effects during saint patrick's days in 2013 and 2015 on the schumann resonances measured by the elf station at sierra nevada (spain)	Journal of geophysical research	Articulo	2016
Tlm nodes: a new look at an old problem	IEEE transactions on microwave theory and techniques	Articulo	2015
Extremely low frequency band station for natural electromagnetic noise measurement	Radio science	Articulo	2014
Extremely low frequency band station for natural electromagnetic noise measurement		Articulo	2014
New experiment-based way to learn discrete fourier transform and time domain - frequency domain duality	IEEE transactions on education	Articulo	2013
Numerical simulation and experimental study of the natural electromagnetic waves in the elf and vlf bands		Tesis doctoral	2012
Parallel 3d-tlm algorithm for simulation of the earth-ionosphere cavity	Journal of computational physics	Articulo	2012
Variation of the first cut-off frequency of the earth-ionosphere waveguide observed by demeter	Journal of geophysical research	Articulo	2012
A late-time analysis procedure for extracting weak resonances. application to the schumann resonances obtained with the tlm method	Progress in electromagnetics research b. pier b	Articulo	2011
A late-time analysis procedure for extracting weak resonances. application to the schumann resonances obtained with the tlm method	Electromagnetic waves (cambridge, mass. online)	Articulo	2011
A late-time analysis procedure for extracting weak resonances. application to the schumann resonances obtained with the tlm method	Electromagnetic waves (cambridge, mass. online)	Articulo	2011
Rescaled range analysis of elf natural electromagnetic noise from antarctica	Progress in electromagnetics research symposium	Capítulo de libro	2011
Reply to comment by r. grad et al. on 'an analysis of vlf electric field spectra measured in titan's atmosphere by the huygens probe'	Journal of geophysical research-planets	Articulo	2011
Dispersion inherent to tlm nodes for modelling of metamaterials	Electronics letters	Articulo	2010
Study of schumann resonances based on magnetotelluric records from the western mediterranean and antarctica	Journal of geophysical research	Articulo	2010
An analysis of vlf electric field spectra measured in titan's atmosphere by the huygens probe	Journal of geophysical research	Articulo	2009
Importance of the singular constitutive parameters of cylindrical cloaks: illustration on the anticloak concept	Journal of the optical society of america b: optical physics	Articulo	2009
Rebuttal to comment on evidence of electrical activity on titan drawn from the schumann resonances sent by huygens probe	Icarus	Articulo	2009
Response of dispersive cylindrical cloaks to a	Journal of the optical society of america b:	Articulo	2009

nonmonochromatic plane wave	optical physics	Articulo	2009
Simulation of electromagnetic waves propagating in complex media with the tlm method	Universidad de granada. física aplicada	Tesis doctoral	2009
Evidence of electrical activity on titan drawn from the schumann resonances sent by huygens probe	Icarus	Articulo	2008
Numerical determination of frequency behavior in cloaking structures based on l-c distributed networks with tlm method	Optics express	Articulo	2008
Time domain simulation of electromagnetic cloaking structures with tlm method	Optics express	Articulo	2008
Determination of the effective permittivity of dielectric mixtures with the transmission line matrix method	Journal of applied physics	Articulo	2007
Transmission line meshes for computational simulation of electromagnetic modes in the earth's atmosphere	Compel - the international journal for computation and mathematics in electrical and electronic engineering	Articulo	2007
Variables determinantes en la inserción socioprofesional de los titulados de la universidad de granada	Vicerrectorado de planificación, calidad y evaluación docente, universidad de granada	Libros	2007
A generalized dynamic symmetrical condensed tlm node for the modeling of time-varying electromagnetic media	IEEE transactions on antennas and propagation	Articulo	2006
A numerical study of atmospheric signals in the earth-ionosphere electromagnetic cavity with the transmission line matrix method	Journal of geophysical research	Articulo	2006
On the circuit description of tlm nodes	International journal of electronics	Articulo	2006
Schumann resonances as a tool to study the lower ionospheric structure of mars	Radio science	Articulo	2006
Do schumann resonance frequencies depend on altitude?	Journal of geophysical research	Articulo	2004
A numerical simulation of earth's electromagnetic cavity with the transmission line matrix method: schumann resonances	Journal of geophysical research	Articulo	2003
Acceso virtual al laboratorio de electromagnetismo i	Proyectos de innovación docente en las universidades andaluzas : memorias de los proyectos, 1ª convocatoria, curso 2001-2002	Capítulo de libro	2003
Alternativa a las clases de problemas de pizarra	Proyectos de innovación docente en las universidades andaluzas : memorias de los proyectos, 1ª convocatoria, curso 2001-2002	Capítulo de libro	2003
Time-varying electromagnetic-media modelling with tlm method	Electronics letters	Articulo	2003
Técnicas experimentales: electromagnetismo : teoría y prácticas	I.f. sánchez	Libros	2000
Dotig4, a time-domain numerical code for the study of the interaction of electromagnetic pulses with arbitrary conducting surfaces	Compel - the international journal for computation and mathematics in electrical and electronic engineering	Articulo	1997
Dotig-3: programa para el estudio de la interacción de ondas electromagnéticas con estructuras conductoras modeladas por hilos	Universidad de granada. electromagnetismo y física de la materia	Tesis doctoral	1995
Resolución de las ecuaciones integrales MFIE y EFIE en el dominio del tiempo para superficies conductoras modeladas por parches planos	Universidad de granada. electromagnetismo y física de la materia	Tesis doctoral	1995
Modelling of straight thin wires using time-domain electric field integral equations	IEEE proceedings. microwaves, antennas and propagation	Articulo	1994

Time domain analysis of dielectric-coated wire antennas and scatterers	IEEE antennas and propagation magazine	Articulo	1994
An improved version of the computer code dotig for the time domain analysis of thin wire structures	Applied computational electromagnetics society journal	Articulo	1993
Time-domain integral equations methods for transient analysis	IEEE antennas and propagation magazine	Articulo	1992
About the study in the time domain of junctions between thin wires	Applied computational electromagnetics society journal	Articulo	1991
Optimum load for a linear antenna fed by a short duration pulse	International journal of electronics	Articulo	1991
Dotigl, a time-domain numerical code for the study of the interaction of electromagnetic pulses with thin-wire structures		Articulo	1989
Application of the monopulse technique to a planar array of nonlinearly loaded straight wire coupled antennas	IEEE transactions on electromagnetic compatibility	Articulo	1987
Time domain analysis of an array of straight wire coupled antennas	Electronics letters	Articulo	1986

	Título proyecto	Tipo	Inicio	Fin
1	Experimental and numerical study of natural electromagnetic phenomena for environmental diagnostic	Proyecto	1/1/14	12/31/16
2	Resolución de problemas: teoría y práctica	Proyecto	11/7/02	12/31/04
3	Estudio en el dominio del tiempo de la transformación de un pulso electromagnético en guías ópticas con semiconductores activos	Proyecto	9/14/01	9/13/02
4	Alternativa a las clases de problemas de pizarra	Proyecto	6/16/00	9/30/01

Actividades 0

Título actividad	Fuente	Tipo	Fecha
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Colaboradores

- **JORGE PORTÍ DURÁN** (31)
- **JESÚS FRANCISCO FORNIELES CALLEJÓN** (19)
- **SERGIO TOLEDO REDONDO** (11)
- **CEDRIC BLANCHARD** (9)
- **AMELIA RUBIO BRETONES** (7)
- **RAFAEL ANTONIO GOMEZ MARTIN** (7)
- **GREGORIO MOLINA CUBEROS** (6)
- **IGNACIO SÁNCHEZ GARCÍA** (6)
- **Juan Antonio Morente Molinera** (4)
- **ANA RUIZ CONSTAN** (1)
- **ANTONIO PEDRERA PARIAS** (1)
- **JESUS GALINDO ZALDIVAR** (1)