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Grupo de Investigación: FÍSICA DE LA ATMÓSFERA (Cod.: RNM119)

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Citas en Google Scholar: <https://scholar.google.es/citations?user=xA9KX-sAAAAJ&hl=es>

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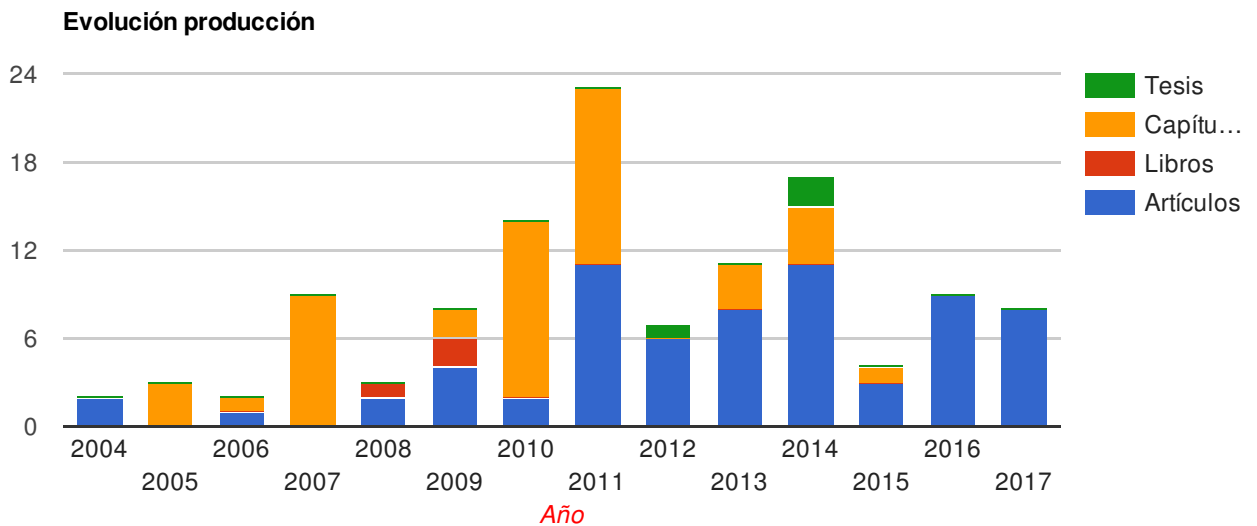
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Ficha del Directorio

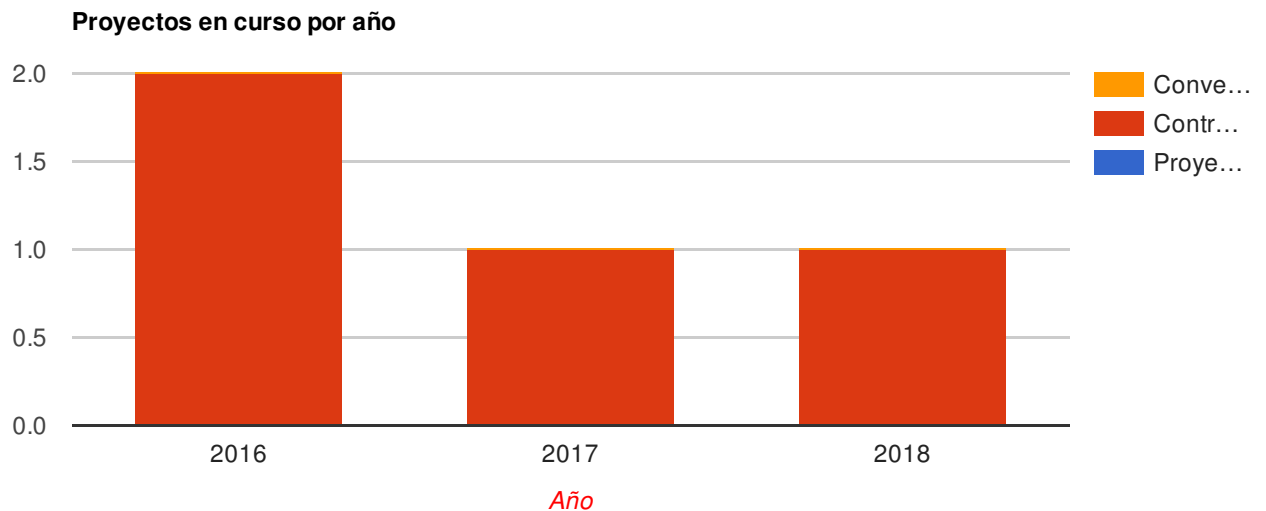
Producción 120

Artículos (67) Libros (3) Capítulos de Libros (47) Tesis dirigidas (3)



Proyectos dirigidos 2

Proyectos (0) Contratos (2) Convenios (0)



Actividades 18

Titulo publicación	Fuente	Tipo	Fecha
A new methodology for pbl height estimations based on lidar depolarization measurements: analysis and comparison against mwr and wrf model-based results	Atmospheric chemistry and physics	Articulo	2017
Assessment of the radiative effects of aerosols in an on-line coupled model over the iberian peninsula	Atmospheric chemistry and physics	Articulo	2017
Comparative assessment of grasp algorithm for a dust event over granada (spain) during charmex-adrimed 2013 campaign	Atmospheric measurement techniques	Articulo	2017
Evaluating the representation of aerosol optical properties using an online coupled model over the iberian peninsula	Atmospheric chemistry and physics	Articulo	2017
Microphysical characterization of long-range transported biomass burning particles from north america at three earlinet stations	Atmospheric chemistry and physics	Articulo	2017
Near-real-time processing of a ceilometer network assisted with sun-photometer data: monitoring a dust outbreak over the iberian peninsula	Atmospheric chemistry and physics	Articulo	2017
Origin and pathways of the mineral dust transport to two spanish earlient sites: effect on the observed columnar and range-resolved dust optical properties	Atmospheric research	Articulo	2017
Spatio-temporal monitoring by ground-based and air- and space-borne lidars of a moderate saharan dust event affecting southern europe in june 2013 in the framework of the adrimed/charmex campaign	Air quality, atmosphere and health	Articulo	2017
A comparative study of aerosol microphysical properties retrieved from ground-based remote sensing and aircraft in situ measurements during a saharan dust event	Atmospheric measurement techniques discussions	Articulo	2016
A methodology for investigating dust model performance using synergistic earlinet/aeronet dust concentration retrievals	Atmospheric measurement techniques	Articulo	2016
Assessment on lidar depolarization uncertainty by means of a polarimetric lidar simulator	Atmospheric measurement techniques	Articulo	2016
Calipso climatological products: evaluation and suggestions from earlinet	Atmospheric chemistry and physics	Articulo	2016
Latin american lidar network (lalinet) for aerosol research: diagnosis on network instrumentation	Journal of atmospheric and solar - terrestrial physics	Articulo	2016
Pbl height estimation based on lidar depolarisation measurements (polaris)	Atmospheric chemistry and physics	Articulo	2016
Profiling of aerosol microphysical properties at several earlinet/aeronet sites during the july 2012 charmex/emep campaign	Atmospheric chemistry and physics	Articulo	2016
Solar and thermal radiative effects during the 2011 extreme desert dust episode over portugal		Articulo	2016
Synergic estimation of columnar integrated aerosol properties and their vertical resolved profiles in respect to the scenarios of dust intrusions over granada	Atmospheric environment	Articulo	2016
Aerosol cloud interaction: a multiplatform-scenario-based methodology	Proceedings of spie 2015	Capítulo de libro	2015
Earlinet: potential operationality of a research network	Atmospheric measurement techniques	Articulo	2015

Hygroscopic growth of atmospheric aerosol particles based on active remote sensing and radiosounding measurements: selected cases in southeastern spain	Atmospheric measurement techniques discussions	Articulo	2015
Study of mineral dust entrainment in the planetary boundary layer by lidar depolarisation technique	Tellus. series b: chemical and physical meteorology	Articulo	2015
Active and passive remote sensing for monitoring the planetary boundary layer height	Optica pura y aplicada	Articulo	2014
Aerosol transport over the western mediterranean basin: evidence of the contribution if fone particles to desert dust plumes over alborán island	Journal of geophysical research atmospheres	Articulo	2014
Assimilation of lidar signals: application to aerosol forecasting in the mediterranean basin	Atmospheric chemistry and physics discussions	Articulo	2014
Assimilation of lidar signals: application to aerosol forecasting in the western mediterranean basin	Atmospheric chemistry and physics	Articulo	2014
Characterizing the atmospheric aerosol by active and passive remote sensing: microphysical properties and hygroscopic growth effects		Tesis doctoral	2014
Characterization of atmospheric aerosols for a long range transport of biomass burning particles from canadian forest fires over the southern iberian peninsula in july 2013	Optica pura y aplicada	Articulo	2014
Characterization of atmospheric aerosols for a long range transport of biomass burning particles from canadian forest fires over the southern iberian peninsula in july 2031	Optica pura y aplicada	Articulo	2014
Comparison between two algorithms based on different wavelets to obtain the planetary boundary layer height	Proceedings of spie 2014	Capítulo de libro	2014
Evaluation of the hygroscopic behavior of aerosols over são paulo: one-day case study	Proceedings of spie 2014	Capítulo de libro	2014
Experimental determination of uv- and vis- lidar overlap function		Articulo	2014
Forest fire smoke layers observed in the free troposphere over portugal with a multiwavelength raman lidar: optical and microphysical properties	The scientific world journal	Articulo	2014
Lidar depolarization technique: assessment of the hardward polarizing sensitivity and applications		Tesis doctoral	2014
Lidar measurements of tropospheric aerosol and water vapor profiles during the winter season campaigns over the metropolitan area of são paulo - brazil	Proceedings of spie 2014	Capítulo de libro	2014
Multispectral elastic scanning lidar for flares research: characterizing the electronic subsystem and application	Optics express	Articulo	2014
Retrieving aerosol microphysical properties by lidar¿radiometer inversion code (liric) for different aerosol types	Journal of geophysical research. d, atmospheres	Articulo	2014
Towards an instrumental harmonization in the framework of lalinet: dataset of technical specifications	Proceedings of spie 2014	Capítulo de libro	2014
Tropospheric water vapour and relative humidity profiles from lidar and microwave radiometry	Atmospheric measurement techniques discussions	Articulo	2014
Aerosol size distribution from inversion of solar radiances and measured at ground-level during	Atmospheric research	Articulo	2013

radiances and measured at ground level during spali10 campaign	Atmospheric research	Artículo	2013
Analysis of lidar depolarization calibration procedure and application to the atmospheric aerosol characterization	International journal of remote sensing	Artículo	2013
Depolarization ratio of polar stratospheric clouds in coastal antarctica: comparison analysis between ground-based micro pulse lidar and space-borne caliop observations	Atmospheric measurement techniques discussions	Artículo	2013
Eruption of the eyjafjallajökull volcano in spring 2010: multiwavelength raman lidar measurements of sulphate particles in the lower troposphere	Journal of geophysical research atmospheres	Artículo	2013
Monitoring the daily evolution of the atmospheric aerosol in an urban environment by means of remote sensing and in-situ methodologies	Juan antonio morente chiquero: in memorian	Capítulo de libro	2013
Raman lidar observations of iberian forest fires smoke layers over portugal	Proceedings of the 1st iberian meeting on aerosol science and technology - ricta 2013	Capítulo de libro	2013
Retrieval and variability analysis of optically thin cloud optical depths from a cimel sun-photometer	Atmospheric research	Artículo	2013
Statistical analysis of aerosol optical properties retrieved by raman lidar over southeastern spain	Tellus. series b: chemical and physical meteorology	Artículo	2013
Towards a virtual framework for bilingual selflearning in subjects related to atmospheric physics for the dregree in physics and environmental sciences	Proceedings of edulearn13 conference	Capítulo de libro	2013
Tropospheric water vapour and relative humidity profiles from lidar and microwave radiometry	Atmospheric measurement techniques discussions	Artículo	2013
Two years of free-tropospheric aerosol layers observed over portugal by lidar	Journal of geophysical research	Artículo	2013
Atmospheric vertical profiling by raman lidar		Tesis doctoral	2012
Automatic determination of the boundary layer height using lidar: one-year analysis over southeastern spain		Artículo	2012
Depolarization ratio of polar stratospheric clouds in coastal antarctica: profiling comparison analysis between a ground-based micro pulse lidar and the spaceborne caliop	Atmospheric measurement techniques discussions	Artículo	2012
Experimental and modeled uv erythemal irradiance under overcast conditions: the role of cloud optical depth	Atmospheric chemistry and physics	Artículo	2012
Experimental and modeled uv erythemal irradiance under overcast conditions: the role of cloud optical depth	Atmospheric chemistry and physics discussions	Artículo	2012
Monitoring of the eyjafjallajökull volcanic aerosol plume over the iberian peninsula by means of four earlinet lidar stations	Atmospheric chemistry and physics	Artículo	2012
Study on aerosol properties over madrid (spain) by multiple instrumentation during spali10 lidar campaign	Optica pura y aplicada	Artículo	2012
Aerosol closure study by lidar, sun photometry, and airborne optical counters during damocles field campaign at el arenosillo sounding station, spain	Journal of geophysical research	Artículo	2011
Aerosol size distribution from inversion of solar radiances and measured at ground-level during spali10 campaign	Proceedings of the global conference on global warming 2011	Capítulo de libro	2011

An approach to the retrieval of thin cloud optical depth from a cimel sun-photometer	Proceedings of the global conference on global warming 2011	Capítulo de libro	2011
Atmospheric aerosol characterization by dual lidar depolarization	Book of extended abstracts of ¿quinta reunión española de ciencia y tecnología de aerosoles¿	Capítulo de libro	2011
Calibration of 1064 nm-backscatter profiles with a multiwavelength raman lidar	Romanian journal in physics	Articulo	2011
Characterization of middle- and high-altitude clouds over Évora (portugal)	Third recent advances in quantitative remote sensing	Capítulo de libro	2011
Cloud- aerosol interaction estimated by raman lidar	: book of extended abstracts of ¿quinta reunión española de ciencia y tecnología de aerosoles¿	Capítulo de libro	2011
First results of aerosol microphysical properties by 3+2 raman lidar at earlinet granada station	Romanian journal in physics	Articulo	2011
Monitoring of the eyjafjallajökull volcanic aerosol plume over the iberian peninsula by means of four earlinet lidar stations	Atmospheric chemistry and physics discussions	Articulo	2011
Multi-instrumental detection of the mixing layer height over granada	Book of extended abstracts of ¿quinta reunión española de ciencia y tecnología de aerosoles¿	Capítulo de libro	2011
Multi-instrumental observation of an exceptionally strong saharan dust outbreak over portugal	Book of extended abstracts of ¿quinta reunión española de ciencia y tecnología de aerosoles¿	Capítulo de libro	2011
Multi-instrumental observation of an exceptionally strong saharan dust outbreak over portugal	Journal of geophysical research	Articulo	2011
On the use cirrus clouds for elastic lidar calibration	Optica pura y aplicada	Articulo	2011
One year of regular aerosol observations with a multi-wavelength raman lidar in portugal	Lidar technologies, techniques, and measurements for atmospheric remote sensing vii	Capítulo de libro	2011
Optical and microphysical properties of fresh biomass burning aerosol retrieved by raman lidar, and star- and sun-photometry	Geophysical research letters	Articulo	2011
Polar stratospheric clouds identification in antarctica by micro pulse lidar depolarization	V spanish meeting on aerosol science and technology (recta 2011), madrid (spain), b. artíñano rodríguez de torres and f.j. gómez moreno (eds.), ciemat, madrid, spain	Capítulo de libro	2011
Quality assurance at the earlinet granada station: characterization of the optical subsystem for a multichannel raman lidar	Optica pura y aplicada	Articulo	2011
Retrieval of the lidar overlap function using raman signals	Optica pura y aplicada	Articulo	2011
Study of aerosol optical properties over the iberian peninsula based on 9-year modis dataset	Proceedings of the global conference on global warming 2011	Capítulo de libro	2011
Synergetic monitoring of saharan dust plumes and potential impact on surface: a case study of dust transport from canary islands to iberian peninsula	Atmospheric chemistry and physics	Articulo	2011
Study of ground-based vertical profiles of tropospheric aerosol in coincidence with calipso overpasses at granada, spain	Book of extended abstracts of ¿quinta reunión española de ciencia y tecnología de aerosoles¿	Capítulo de libro	2011
Study on aerosol properties over madrid (spain) by multiple instrumentation during earlinet lidar intercomparison campaign: spali10	Book of extended abstracts of ¿quinta reunión española de ciencia y tecnología de aerosoles¿	Capítulo de libro	2011
Study on aerosol properties over madrid (spain) by multiple instrumentation during spali10 lidar		Articulo	2011

campaign			
Aerosol direct radiative effects of a transatlantic biomass burning plume over granada, spain	Bok of extended abstracts: iv reuni3n espa1ola de ciencia y tecnolog3a de aerosoles	Cap3tulo de libro	2010
Characterization of atmospheric aerosols for a long-range transport of biomass-burning from north america over the iberian peninsula	Proceedings of the 25th international laser radar conference	Cap3tulo de libro	2010
First regular multi-wavelength raman lidar measurements in portugal - overview	Proceedings of the 25th international laser radar conference	Cap3tulo de libro	2010
First results about cloud properties obtained by lidar over 3vora (portugal)	Bok of extended abstracts: iv reuni3n espa1ola de ciencia y tecnolog3a de aerosoles	Cap3tulo de libro	2010
Influence of air mass origin on atmospheric particulate matter at a spanish emep station: a five-year study	Bok of extended abstracts: iv reuni3n espa1ola de ciencia y tecnolog3a de aerosoles	Cap3tulo de libro	2010
Infrared lidar overlap function: an experimental determination	Optics express	Articulo	2010
Monitoring of lofted aerosol layers of mineral desert dust with raman lidar and a set of photometers at different altitudes	Bok of extended abstracts: iv reuni3n espa1ola de ciencia y tecnolog3a de aerosoles	Cap3tulo de libro	2010
Monitoring of the eyjafjallaj3kull ash plume at four lidar stations over the iberian peninsula: 6 to 8 may 2010	Bok of extended abstracts: iv reuni3n espa1ola de ciencia y tecnolog3a de aerosoles	Cap3tulo de libro	2010
On the synergetic use of passive and active remote sensing for atmospheric aerosol radiative effect computations	Proceedings of the 25th international laser radar conference	Cap3tulo de libro	2010
Representativeness of aerosol measurements: earlinet-calipso correlative study	Proceedings of the 25th international laser radar conference	Cap3tulo de libro	2010
Study on the planetary boundary layer top with raman lidar	Bok of extended abstracts: iv reuni3n espa1ola de ciencia y tecnolog3a de aerosoles	Cap3tulo de libro	2010
Synergetic monitoring of saharan dust plumes and potential impact on surface: a case study of dust transport from canary islands to iberian peninsula	Atmospheric chemistry and physics discussions	Articulo	2010
The study of aerosols and other atmospheric constituents at 3vora university: start and development since 1993	Jornadas de f3sica por ocasi3o da jubila13o do professor rui namorado rosa	Cap3tulo de libro	2010
Use of ground based passive and active remote sensing for the retrieval of aerosol microphysical properties	Bok of extended abstracts: iv reuni3n espa1ola de ciencia y tecnolog3a de aerosoles	Cap3tulo de libro	2010
Aerosol lidar intercomparison in the framework of spalinet-the spanish lidar network: methodology and results	lee transactions on geoscience and remote sensing	Articulo	2009
Airborne and ground based instrumentation comparison: closure study during capex project	Proceedings of the 8th international symposium on tropospheric profiling: integration of needs, technologies and applications	Cap3tulo de libro	2009
Atmospheric aerosol properties in an urban atmosphere: estio2005	Proceedings of the 8th international symposium on tropospheric profiling: integration of needs, technologies and applications	Cap3tulo de libro	2009
Earlinet observations of the 14-22-may long-range dust transport event during samum 2006: validation of results from dust transport modelling	Tellus. series b: chemical and physical meteorology	Articulo	2009
Extreme saharan dust event over the southern			

Extreme saharan dust event over the southern iberian peninsula in september 2007: active and passive remote sensing from surface and satellite	Atmospheric chemistry and physics discussions	Articulo	2009
Extreme saharan dust event over the southern iberian peninsula in september 2007: active and passive remote sensing from surface and satellite	Atmospheric chemistry and physics	Articulo	2009
Técnicas de teledetección activa y pasiva: análisis de un evento extremo de polvo sahariano sobre el sur de la península ibérica	Alados arboledas, lucas	Libros	2009
Técnica lidar para la caracterización atmosférica mediante dispersión elástica y raman	Universidad de granada	Libros	2009
Caracterización de la estructura vertical del aerosol atmosférico mediante lida durante la campaña capex (évora, portugal)	Alados arboledas, lucas	Libros	2008
Multi-spectral lidar characterization of the vertical structure of saharan dust aerosol over southern spain	Atmospheric environment	Articulo	2008
One year of water vapour raman lidar measurements at the andalusian centre for environmental studies (ceama)	International journal of remote sensing	Articulo	2008
Analysis of the measurements taken by a ceilometer installed in the south of portugal	Proceedings of spie 2007 (isbn 0277-786x-07)	Capítulo de libro	2007
Atmospheric vertical profiles obtained by lidar over evora during capex project	Geoscience and remote sensing symposium, 2007. igarss 2007. ieee international	Capítulo de libro	2007
Caracterización del aerosol atmosférico mediante perfiles de depolarización lidar	Xxxi reunión bienal de la real sociedad española de física. comunicaciones científicas	Capítulo de libro	2007
Characterization of the atmospheric aerosol by combination of lidar and sun-photometry	Proceedings of spie 2007 (isbn 0277-786x-07)	Capítulo de libro	2007
Detection of may 2006 saharan dust outbreak over granada, spain, by combination of active and passive remote sensing	Geoscience and remote sensing symposium, 2007. igarss 2007. ieee international	Capítulo de libro	2007
Determinación de la altura de la capa límite planetaria (pbl) a partir de medidas lidar y radiosondeos	Xxxi reunión bienal de la real sociedad española de física. comunicaciones científicas	Capítulo de libro	2007
Earlinet correlative measurements for calipso	Proceedings of spie 2007 (isbn 0277-786x-07)	Capítulo de libro	2007
Estructura vertical de una atmósfera urbana determinada mediante lidar durante capex-aeropuerto	Xxxi reunión bienal de la real sociedad española de física. comunicaciones científicas	Capítulo de libro	2007
Intercomparison of spanish advanced lidars in the framework of easrlinet	Igarrs 2007, sensing and understanding our planet	Capítulo de libro	2007
Raman lidar measurements at the andalusian centre for environmental studies, ceama	Optica pura y aplicada	Articulo	2006
Raman-lidar measurements at the andalusian center for environmental studies (ceama)	Second recent advances in quantitative remote sensing	Capítulo de libro	2006
Lidar and radiometric measurements at granada (spain)	Geophysical research abstracts - egu 2004	Capítulo de libro	2005
Lidar measurements in south-eastern spain	Abstract of the european aerosol conference (eac-2005)	Capítulo de libro	2005
Lidar and radiometric measurements at granada (spain)	Geophysical research abstracts	Capítulo de libro	2005
An approach to the climatology of atmospheric aerosol size distributions in southeastern spain	Journal of aerosol science	Articulo	2004

aerosol size distributions in southeastern Spain

Diurnal variation of atmospheric aerosol in an urban location followed by means of sunphotometry

Journal of aerosol science

Articulo

2004

	Título proyecto	Tipo	Inicio	Fin
1	Assessment of atmospheric optical properties during biomass burning events and long-range transport of desert dust (apel)	Contrato	12/1/16	4/30/18
2	Impartir el curso 'international independent research in stem fields' (12 horas)	Contrato	10/3/16	12/31/16

Actividades 18

Título actividad	Fuente	Tipo	Fecha
Supervisión de contrato postdoctoral en cge (évora, portugal)	Fundação para a ciência e a tecnologia (portugal)	Colaboración con centros i+d	Mar 1, 2012
Earlinet-asos spali10 intercomparison measurement campaign		Grupos y equipos de investigació	Oct 18, 2010
Campaña de intercomparación de instrumentos en el marco de spalinnet		Grupos y equipos de investigació	May 26, 2008
Campaña experimental estio 2006		Grupos y equipos de investigació	Jul 10, 2006
Campaña observacional damocles		Grupos y equipos de investigació	Jun 28, 2006
Campaña observacional internacional capex		Grupos y equipos de investigació	May 31, 2006
Campaña experimental estio 2005		Grupos y equipos de investigació	Sep 8, 2005
Campaña experimental para investigación atmosférica		Grupos y equipos de investigació	Jul 4, 2005
Campaña experimental indalo 2003		Grupos y equipos de investigació	Sep 15, 2003
Participación en tribunal de tesis doctoral		Experiencia en evaluación	Jun 25, 2010
Revisor de artículos en applied optics en 2011		Experiencia en evaluación	Jan 1, 2011
Revisor de artículos en atmospheric research en 2010-2012		Experiencia en evaluación	Jan 1, 2010
Revisor de artículos en international journal of remote sensing en 2008-2011		Experiencia en evaluación	Jan 1, 2008
Revisor de artículos en journal of atmospheric and solar-terrestrial physics en 2012		Experiencia en evaluación	Jan 1, 2012
Revisor de artículos en journal of geophysical research en 2011		Experiencia en evaluación	Jan 1, 2011
Revisor de artículos en journal of optics and laser technology en 2012		Experiencia en evaluación	Jan 1, 2012
Revisor de artículos en óptica pura y aplicada en 2010 y 2012		Experiencia en evaluación	Jan 1, 2010
Revisor de artículos en el congreso global conference on global warming 2011		Experiencia en evaluación	Jan 1, 2011

Colaboradores

- **LUCAS ALADOS ARBOLEDAS** (96)
- **FRANCISCO JESUS NAVAS GUZMAN** (49)
- **JUAN ANTONIO BRAVO ARANDA** (44)

- MARÍA JOSÉ GRANADOS MUÑOZ (41)
- FRANCISCO JOSE OLMO REYES (36)
- HASSAN LYAMANI (29)
- DANIEL PÉREZ RAMÍREZ (11)
- JESÚS FERNÁNDEZ GÁLVEZ (11)
- ANTONIO VALENZUELA GUTIERREZ (8)
- GLORIA TITOS VELA (6)
- ALBERTO CAZORLA CABRERA (4)
- Pablo Ortiz Amezcua (3)
- INMACULADA FOYO MORENO (2)
- ANDREW STEPHEN KOWALSKI (1)
- ARTURO GABRIEL QUIRANTES SIERRA (1)
- ENRIQUE PEREZ SANCHEZ-CAÑETE (1)
- INMACULADA ALADOS ARBOLEDAS (1)
- JUAN ANDRES CASQUERO VERA (1)