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

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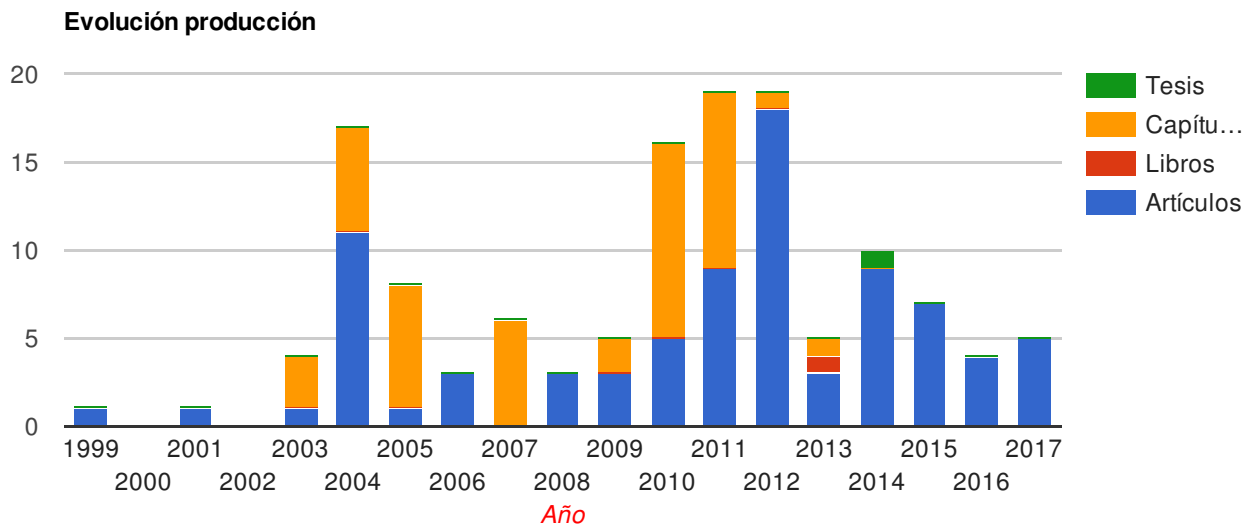
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Ficha del Directorio

## Producción 133

Artículos (84) Libros (1) Capítulos de Libros (47) Tesis dirigidas (1)



## Proyectos dirigidos 0

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

## Actividades 0

<b>Titulo publicación</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
Comparative assessment of grasp algorithm for a dust event over granada (spain) during charmex-adrimed 2013 campaign	Atmospheric measurement techniques	Articulo	2017
Monumental heritage exposure to urban black carbon pollution	Atmospheric environment	Articulo	2017
Multi year aerosol characterization in the tropical andes and in adjacent amazonia using aeronet measurements	Atmospheric environment	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
Spatial and temporal variability of carbonaceous aerosols: assessing the impact of biomass burning in the urban environment	Science of the total environment	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
Effect of hygroscopic growth on the aerosol light-scattering coefficient: a review of measurements, techniques and error sources	Atmospheric environment	Articulo	2016
Statistical study of day and night hourly patterns of columnar aerosol properties using sun and star photometry measurements	Proceedings of spie - the international society for optical engineering	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 properties over the western mediterranean basin: temporal and spatial variability		Articulo	2015
Aerosol scattering and absorption angström exponents as indicators of dust and dust-free days over granada (spain)	Atmospheric research	Articulo	2015
Evaluation of the impact of transportation changes on air quality	Atmospheric environment	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
Intercomparisons of mobility size spectrometers and condensation particle counters in the frame of the spanish atmospheric observational aerosol network	Aerosol science and technology	Articulo	2015
Relationship between fraction of backscattered light and asymmetry parameter	Journal of aerosol science	Articulo	2015
Role of spheroids particles on closure studies for aerosol microphysical properties	Quarterly journal of the royal meteorological society	Articulo	2015
Aerosol light-scattering enhancement due to water uptake during the tcap campaign	Atmospheric chemistry and physics	Articulo	2014
Aerosol properties over the western mediterranean basin: temporal and spatial variability	Atmospheric chemistry and physics discussions	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
Characterization of atmospheric aerosol particles using in-situ techniques: optical, chemical and hygroscopic properties		Tesis doctoral	2014
Determination and analysis of in situ spectral aerosol optical properties by a multi-instrumental approach	Atmospheric measurement techniques discussions	Articulo	2014

Evaluation of aeronet precipitable water vapor versus microwave radiometry, gps, and radiosondes at arm sites		Articulo	2014
Evaluation of aeronet precipitable water vapor versus microwave radiometry, gps, and radiosondes at arm sites	Journal of geophysical research. d, atmospheres	Articulo	2014
Identification of fine (pm1) and coarse (pm10-1) sources of particulate matter in an urban environment	Atmospheric environment	Articulo	2014
Retrieving aerosol microphysical properties by lidar¿radiometer inversion code (liric) for different aerosol types	Journal of geophysical research. d, atmospheres	Articulo	2014
Study of the relative humidity dependence of aerosol light-scattering in southern spain	Tellus series b chemical and physical meteorology	Articulo	2014
Aerosol size distribution from inversion of solar radiances and measured at ground-level during spali10 campaign	Atmospheric research	Articulo	2013
Evaluation of the desert dust effects on global, direct and diffuse spectral ultraviolet irradiance	Tellus. series b: chemical and physical meteorology	Articulo	2013
Medioambiente: partículas ultrafinas y sus instrumentos de medida		Libros	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
Retrieval of aerosol microphysical properties by means of sun and star photometry at granada, spain	International journal of remote sensing	Articulo	2013
Analysis of the columnar radiative properties retrieved during african desert dust events over granada (2005-2010) using principal plane sky radiances and spheroids retrieval procedure	Atmospheric research	Articulo	2012
Aerosol scattering and absorption angström exponents during desert dust events over granada	European aerosol conference 2012	Capítulo de libro	2012
Aerosol properties of the eyjafjallajökull ash derived from sun photometer and satellite observations over the iberian peninsula	Atmospheric environment	Articulo	2012
Aerosol properties over two urban sites in south spain during an extended stagnation episode in winter season	Atmospheric environment	Articulo	2012
Aerosol radiative forcing during african desert dust events (2005-2010) over south-eastern spain	Atmospheric chemistry and physics discussion	Articulo	2012
Aerosol radiative forcing during african desert dust events (2005-2010) over southeastern spain		Articulo	2012
Aerosol radiative forcing during desert dust events (2005-2010) over southeastern spain	Atmospheric chemistry and physics	Articulo	2012
Automatic determination of the boundary layer height using lidar: one-year analysis over southeastern spain		Articulo	2012
Classification of aerosol radiative properties during african desert dust intrusions over southeastern spain by sector origins and cluster analysis	Journal of geophysical research	Articulo	2012
Cloud screening and quality control algorithm for star photometer data: assessment with lidar measurements and with all-sky images		Articulo	2012
Cloud screening and quality control algorithm for star photometer data: assessment with lidar measurements and with all-sky-images	Atmospheric measurement techniques discussions	Articulo	2012
Columnar aerosol properties from sun-and-star photometry: statistical comparisons and day-to-night dynamic		Articulo	2012
Day and night columnar aerosol properties at granada	Atmospheric chemistry and physics	Articulo	2012

(spain) retrieved from sun-and star-photometry	discussions	Artículo	2012
Global and diffuse shortwave irradiance during a strong desert dust episode at granada (spain)	Atmospheric research	Artículo	2012
Influence of desert dust intrusions on ground-based and satellite-derived ultraviolet irradiance in southeastern spain	Journal of geophysical research	Artículo	2012
Investigation of fine and coarse aerosol contributions to the total aerosol light scattering:shape effects and concentration profiling by raman lidar measurements	Journal of quantitative spectroscopy & radiative transfer	Artículo	2012
Optical properties and chemical composition of aerosol particles at an urban location: an estimation of the aerosol mass scattering and absorption efficiencies	Journal of geophysical research	Artículo	2012
Retrieval of aerosol microphysical properties by means of sun and star photometry at granada, spain	International journal of remote sensing	Artículo	2012
Retrievals of precipitable water vapor using star photometry: assessment with raman lidar and link to sun photometry	Journal of geophysical research	Artículo	2012
A new approach to improve the near-range response of a lidar system at 1064 nm	Book of extended abstracts of v reunion española de ciencia y tecnología de aerosoles	Capítulo de libro	2011
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 properties during an extended stagnation episode at two urban sites in south-eastern spain	Book of extended abstract of v reunion española de ciencia y tecnología de los aerosoles	Capítulo de libro	2011
Aerosol radiative properties during desert dust events at granada (2005-2010) - air mass classification.	Book of extended abstracts of v reunion española de ciencia y tecnología de aerosoles	Capítulo de libro	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
Alfa: a database for light scattering simulations with atmospheric aerosol applications	Optica pura y aplicada	Artículo	2011
Applications of optical spectroscopy and stable isotope analyses to organic aerosol source discrimination in an urban area	Atmospheric environment	Artículo	2011
Aerosol chemical and optical properties in granada: analysis of the aerosol mass scattering and absorption efficiencies.	V reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2011
Aerosol radiative properties retrieved during saharan dust events in southeastern spain from 2005 to 2008	Optica pura y aplicada	Artículo	2011
Black carbon aerosols over an urban area in south-eastern spain: changes detected after the 2008 economic crisis	Atmospheric environment	Artículo	2011
Evaluation of the aerosol forcing efficiency in the uv erythemal range at granada (spain)	Book of extended abstract of v reunion española de ciencia y tecnología del aerosol	Capítulo de libro	2011
Evaluation of the aerosol forcing efficiency in the uv erythemal range at granada, spain	Journal of geophysical research	Artículo	2011
Improvements in star photometry for aerosol characterizations	Journal of aerosol science	Artículo	2011
Separation of fine and coarse aerosol contributions to the total aerosol light scattering: an aeronet assessment	Atti della accademia peloritana dei pericolanti	Artículo	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	Artículo	2011

Saharan dust intrusion monitoring. part 1: detection, identification and vertical structure analysis	Book of extended abstracts of v reunion española de ciencia y tecnología de aerosoles	Capítulo de libro	2011
Saharan dust intrusion monitoring. part 2: evaluation of potential dust impact on surface	Book of extended abstracts of v reunion española de ciencia y tecnología de aerosoles	Capítulo de libro	2011
Sun photometer and satellite observations of the 6-12 may eyjafjallajökull plume over the iberian peninsula	Book of extended abstracts of v reunion española de ciencia y tecnología de aerosoles	Capítulo de libro	2011
Water vapour from sun and star photometer as compared with passive microwave radiometry: modified k-ciclo for correcting sun photometer calibration	Book of extended abstracts of v reunion española de ciencia y tecnología de aerosoles	Capítulo de libro	2011
Aerosol properties retrieved from sky radiance at the principal plane for nonspherical particles	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
Alfa/beta: a dual database for light scattering simulations on atmospheric aerosols	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
Chemical composition of wet precipitation at the background emep station in víznar (granada, spain) (2002-2006)	Atmospheric research	Articulo	2010
Cloud screening algorithm for starphotometry	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
Designing a polar nephelometer for atmospheric aerosol characterization	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
Estimating absorption and scattering efficiencies for particulates pm10 at an urban site	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
Evaluation of two correction schemes of particle soot absorption photometer data	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo 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 reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
Infrared lidar overlap function: an experimental determination	Optics express	Articulo	2010
Long-term air quality trends over granada, spain	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	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 reunión española de ciencia y tecnología de aerosoles	Capítulo 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	Capítulo de libro	2010
Physical and optical properties of aerosols over an urban location in spain: seasonal and diurnal variability	Atmospheric chemistry and physics	Articulo	2010
Relationships between spectroscopic properties of high-altitude organic aerosols and sun photometry from ground-based remote sensing	Journal of geophysical research	Articulo	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

From secondary research to research peninsula			
Variability of aerosol properties in Málaga (Spain)	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
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	Capítulo 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	Capítulo de libro	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
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
Physical and optical properties of aerosols over an urban location in Spain: seasonal and diurnal variability	Atmospheric chemistry and physics discussions	Articulo	2009
Aerosol optical properties assessed by an inversion method using the solar principal plane for non-spherical particles: x conference on electromagnetic and light scattering by non-spherical particles	Journal of quantitative spectroscopy & radiative transfer	Articulo	2008
Correction factors for a total scatter/backscatter nephelometer	Journal of quantitative spectroscopy & radiative transfer	Articulo	2008
Light scattering and absorption properties of aerosol particles in the urban environment of Granada, Spain	Atmospheric environment	Articulo	2008
Aerosol optical properties assessed by an inversion method using the solar principal plane for non-spherical particles	Tenth conference on electromagnetics & light scattering	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
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
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
Un año de propiedades ópticas del aerosol atmosférico en el ambiente urbano de Granada	XXXI reunión bienal de la Real Sociedad Española de Física. Comunicaciones Científicas	Capítulo de libro	2007
Atmospheric aerosols during the 2003 heat wave in southeastern Spain I: spectral optical depth	Atmospheric environment	Articulo	2006
Atmospheric aerosols during the 2003 heat wave in southeastern Spain II: microphysical columnar properties and radiative forcing	Atmospheric environment	Articulo	2006
Preliminary results of a non-spherical aerosol method for the retrieval of the atmospheric aerosol optical properties	Journal of quantitative spectroscopy & radiative transfer	Articulo	2006
Aerosol columnar properties in the Iberian Peninsula during the 2003 heat wave	Abstract of the European Aerosol Conference (EAC-2005)	Capítulo de libro	2005
Aerosol turbidity in the southern Iberian Peninsula during	Abstract of the European aerosol	Capítulo	2005



european 2003 summer heat wave	conference (eac-2005)	de libro	2005
Columnar properties of the atmospheric aerosol during the indalo-2003 field campaign	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
Preliminary results of a non-spherical aerosol method for the retrieval of the atmospheric aerosol optical properties	8th conference on electromagnetic and light scattering by nonspherical particles: theory, measurements and applications	Capítulo de libro	2005
Retrieval of aerosol optical properties by diogenes, a non-spherical inversion method	Abstract of the european aerosol conference (eac-2005)	Capítulo de libro	2005
Saharan dust outbreak over southeastern spain as detected by sun photometer	Atmospheric environment	Articulo	2005
Study of the atmospheric aerosol during the strong saharan dust event of 2004	Abstract of the european aerosol conference (eac-2005)	Capítulo de libro	2005
A comparison of the columnar aerosol physical parameters retrieved by different methods at indalo-2003	Journal of aerosol science	Articulo	2004
A preliminary intercomparison of aerosol optical depth from cimel-318 and mfr7 at indalo-2003	4ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2004
Albedo y reflectancia de la superficie en la campaña indalo-2003	4ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2004
An approach to the climatology of atmospheric aerosol size distributions in southeastern spain	Journal of aerosol science	Articulo	2004
Atmospheric aerosol changes in the vertical followed by sunphotometers and telephotometers during veleta 2002	Journal of aerosol science	Articulo	2004
Comparison of aerosol optical depth from multifilter rotating shadowband radiometer and robotic radiometer cimel ce-318	Journal of aerosol science	Articulo	2004
Correlation between the photometric measurements and toms aerosol index	4ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2004
Diurnal variation of atmospheric aerosol in an urban location followed by means of sunphotometry	Journal of aerosol science	Articulo	2004
Estudio del efecto de la elevación sobre el aerosol atmosférico en el marco de veleta-2002	4ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2004
Evolution of aerosol columnar properties at the main station of armilla during veleta 2002 field campaign	Journal of aerosol science	Articulo	2004
Indalo 2003 field campaign	Journal of aerosol science	Articulo	2004
Indalo-2003. presentación general de la campaña	4ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2004
Inversión de radiancias en el almucantar y plano principal solar en el marco de veleta 2002	4ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2004
Long term changes in aerosol size properties at armilla, granada (spain)	Atmospheric environment	Articulo	2004
Long-term changes in aerosol radiative properties at armilla (spain)	Atmospheric environment	Articulo	2004
Size distribution, scattering, extinction and absorption of a desert aerosol in southern spain	Journal of aerosol science	Articulo	2004
Veleta 2002 field campaign a general overview.	Optica pura y aplicada	Articulo	2004
Aerosol radiative properties retrieved from sunphotometer measurements at armilla (spain), a suburban area	Journal of the aerosol science. abstract of the european aerosol conference 2003	Capítulo de libro	2003
Aerosol size properties at armilla, granada (spain)	Quarterly journal of the royal meteorological society	Articulo	2003

Retrieval of columnar aerosol size distributions from solar transmission and sky radiance methods	Journal of the aerosol science. abstract of the european aerosol conference 2003	Capítulo de libro	2003
Saharan dust outbreak in south-eastern spain followed by sunphotometer measurements. a case study.	Journal of the aerosol science. abstract of the european aerosol conference 2003	Capítulo de libro	2003
Aerosol properties retrieved from sunphotometer measurements at armilla (spain), a suburban area	Journal of aerosol science	Artículo	2001
Volcanic aerosol effects on radiometric series registered at spain	Journal of aerosol science	Artículo	1999



	Titulo proyecto	Tipo	Inicio	Fin
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Actividades 0

Titulo actividad	Fuente	Tipo	Fecha
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## Colaboradores

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- ANTONIO VALENZUELA GUTIERREZ (28)
- ARTURO GABRIEL QUIRANTES SIERRA (22)
- DANIEL PÉREZ RAMÍREZ (21)
- FRANCISCO JESUS NAVAS GUZMAN (20)
- INMACULADA FOYO MORENO (19)
- GLORIA TITOS VELA (18)
- JUAN ANTONIO BRAVO ARANDA (14)
- MARÍA JOSÉ GRANADOS MUÑOZ (14)
- JESÚS FERNÁNDEZ GÁLVEZ (13)
- ALBERTO CAZORLA CABRERA (7)
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- JUAN ANDRES CASQUERO VERA (2)
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- Pablo Ortiz Amezcua (1)