

# FRANCISCO JOSE OLMO REYES



Ficha del Directorio

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

Departamento: Universidad de Granada. Física Aplicada

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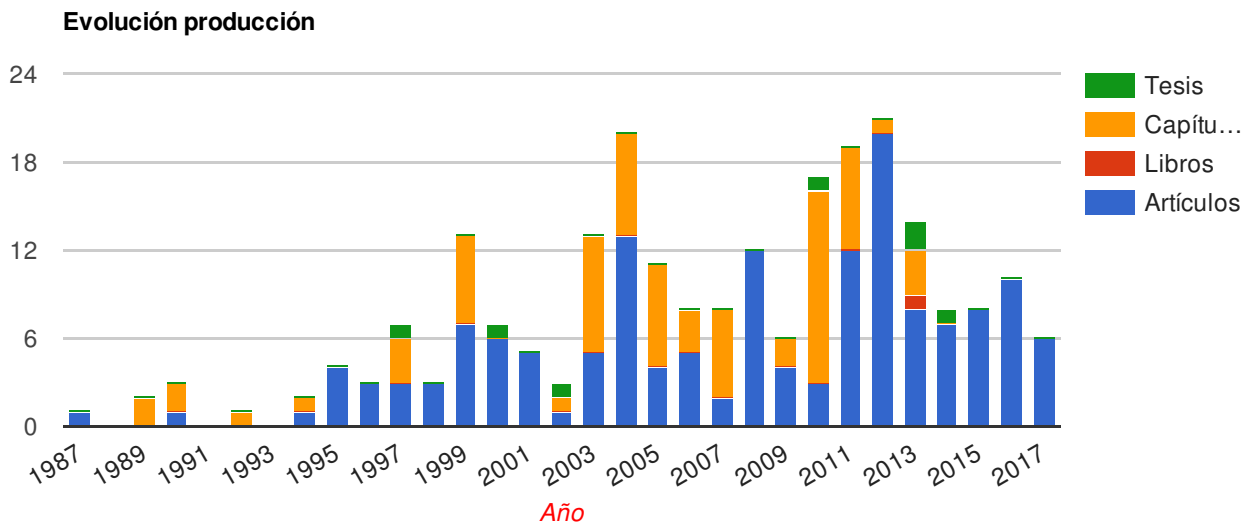
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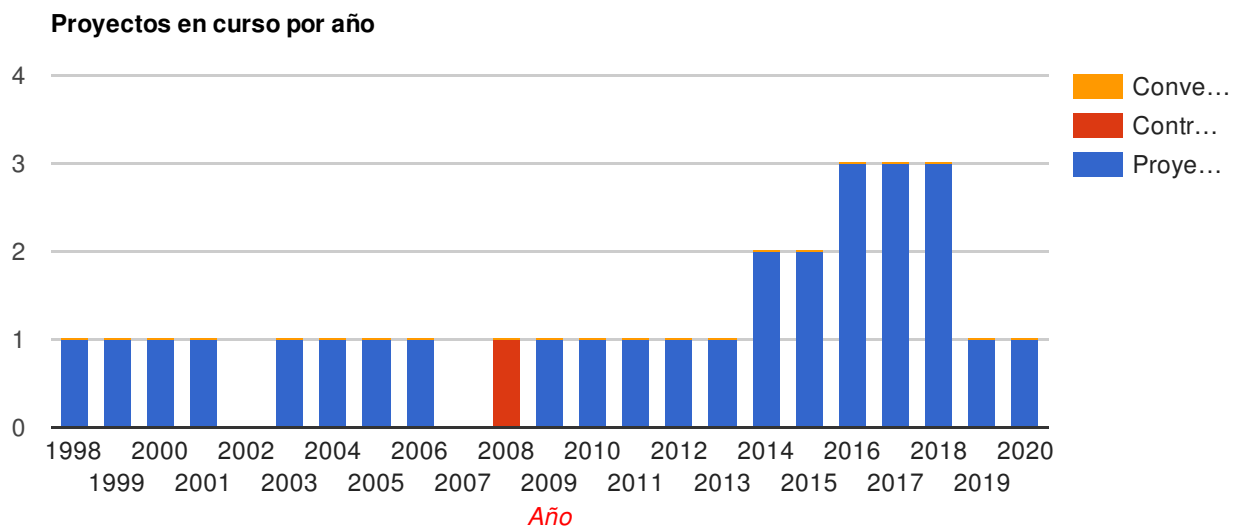
## Producción 235

Artículos (154) Libros (1) Capítulos de Libros (73) Tesis dirigidas (7)



## Proyectos dirigidos 7

Proyectos (6) Contratos (1) Convenios (0)



## Actividades 17

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
Cloud cover detection combining high dynamic range sky images and ceilometer measurements	Atmospheric research	Articulo	2017
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
Remote sensing of lunar aureole with a sky camera: adding information in the nocturnal retrieval of aerosol properties with grasp code	Remote sensing of environment	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
Assessment on lidar depolarization uncertainty by means of a polarimetric lidar simulator	Atmospheric measurement techniques	Articulo	2016
Colorimetric analysis of outdoor illumination across varieties of atmospheric conditions		Articulo	2016
Effect of hygroscopic growth on the aerosol light-scattering coefficient: a review of measurements, techniques and error sources	Atmospheric environment	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
Sensitivity of uv erythemal radiation to total ozone changes under different sky conditions: results for granada, spain	Photochemistry and photobiology	Articulo	2016
Solar and thermal radiative effects during the 2011 extreme desert dust episode over portugal		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
Surface-parallel sensor orientation for assessing energy balance components on mountain slopes	Boundary-layer meteorology	Articulo	2016
A long-term study of new particle formation in a coastal environment: meteorology, gas phase and solar radiation implications	Science of the total environment	Articulo	2015
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
Assessment of african desert dust levels over the southwestern spain at sea level using in-situ aerosol optical and microphysical properties	Tellus series b chemical and physical meteorology	Articulo	2015
Evaluation of the impact of transportation changes on air quality	Atmospheric environment	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
Study of mineral dust entrainment in the planetary boundary layer by lidar depolarisation technique	Tellus. series b: chemical and physical meteorology	Articulo	2015
A method to determine the ozone radiative forcing in the ultraviolet range from experimental data	Journal of geophysical research atmospheres	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 of fine particles to desert dust plumes over alborán island	Journal of geophysical research atmospheres	Articulo	2014
Efficiency of clouds on shortwave radiation using experimental data	Applied energy	Articulo	2014
Evaluation of enhancement events of total solar irradiance during cloudy conditions at granada (southeastern spain)	Atmospheric research	Articulo	2014
Lidar depolarization technique: assessment of the hardware polarizing sensitivity and applications		Tesis doctoral	2014
Longwave aerosol radiative effects during an extreme desert dust event in southeastern spain	Atmospheric research	Articulo	2014
Variability of mediterranean aerosols properties at three regional background sites in the western mediterranean basin	Proc. of spie - remote sensing of clouds and the atmosphere	Articulo	2014
Aerosol size distribution from inversion of solar radiances and measured at ground-level during spali10 campaign	Atmospheric research	Articulo	2013
African desert dust events impact over southeastern spain (2005-2010): aerosol radiative properties and forcing		Tesis doctoral	2013
Caracterización de las propiedades radiativas y microfísicas del aerosol atmosférico en la campaña veleta 2002	Facultad de ciencias	Tesis doctoral	2013
Direct-sun total ozone data from a spectroradiometer: methodology and comparison with satellite observations	Atmospheric measurement techniques discussions	Articulo	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	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
Iberulitos: partículas atmosféricas "gigantes" potencialmente inhalables	Actualidad médica	Articulo	2013
Juan antonio morente chiquero: in memoriam		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 memoriam	Capítulo de libro	2013
Optical properties of saharan dust aerosols, sea spray and cloud droplets from amicos 2013 airborne campaign	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	Articulo	2013
Retrieval of aerosol microphysical properties by means of sun and star photometry at granada, spain	International journal of remote sensing	Articulo	2013
Short-wave radiative forcing at the surface for cloudy systems at a midlatitude site	Tellus. series b: chemical and physical meteorology	Articulo	2013

Towards a virtual framework for bilingual selflearning in subjects related to atmospheric physics for the degree in physics and environmental sciences	Proceedings of edulearn13 conference	Capítulo de libro	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
Air masses and weather types: a useful tool for characterizing precipitation chemistry and wet deposition	Aerosol and air quality research	Articulo	2012
Calibration of an all-sky camera for obtaining sky radiance at three wavelengths	Atmospheric measurement techniques discussions	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 (spain) retrieved from sun-and star-photometry	Atmospheric chemistry and physics discussions	Articulo	2012
Direct-sun total ozone data from a bentham spectroradiometer: methodology and comparison with satellite observations	Atmospheric measurement techniques discussions	Articulo	2012
Experimental and modeled uv erythema irradiance under overcast conditions: the role of cloud optical depth	Atmospheric chemistry and physics discussions	Articulo	2012
Experimental and modeled uv erythema irradiance under overcast conditions: the role of cloud optical depth	Atmospheric chemistry and physics	Articulo	2012
Extreme ultraviolet index due to broken clouds at a midlatitude site, granada (southeastern spain)	Atmospheric research	Articulo	2012
Global and diffuse shortwave irradiance during a strong desert dust episode at granada (spain)	Atmospheric research	Articulo	2012
Influence of desert dust intrusions on ground-based and satellite-derived ultraviolet irradiance in southeastern spain	Journal of geophysical research	Articulo	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	Articulo	2012
Retrieval of aerosol microphysical properties by means of sun and star photometry at granada, spain	International journal of remote sensing	Articulo	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	Articulo	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 tecnologia 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 tecnologia 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	Articulo	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
Applications of optical spectroscopy and stable isotope analyses to organic aerosol source discrimination in an urban area	Atmospheric environment	Articulo	2011
Aerosol radiative properties retrieved during saharan dust events in southeastern spain from 2005 to 2008	Optica pura y aplicada	Articulo	2011
Black carbon aerosols over an urban area in south-eastern spain: changes detected after the 2008 economic crisis	Atmospheric environment	Articulo	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 tecnologia del aerosol	Capítulo de libro	2011
Evaluation of the aerosol forcing efficiency in the uv erythemal range at granada, spain	Journal of geophysical research	Articulo	2011
Improvements in star photometry for aerosol characterizations	Journal of aerosol science	Articulo	2011
Influence of the calibration on experimental uv index at midlatitude site, granada (spain)	Atmospheric measurement techniques discussions	Articulo	2011
Melanoma. altitud y radiación uvb	Actas dermo-sifiliográficas	Articulo	2011
Optical and microphysical properties of fresh biomass burning aerosol retrieved by raman lidar, and star- and sun-photometry	Geophysical research letters	Articulo	2011
Separation of fine and coarse aerosol contributions to the total aerosol light scattering: an aeronet assessment	Atti della accademia peloritana dei pericolanti	Articulo	2011
Short-term variability of experimental ultraviolet and total solar irradiance in southeastern spain	Atmospheric environment	Articulo	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 tecnologia 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 tecnologia de aerosoles	Capítulo de libro	2011
Aerosol direct radiative effects of a transatlantic biomass burning plume over granada, spain	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
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

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	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
Development of a sky imager for cloud classification and aerosol characterization	Faculta de ciencias. universidad de granada	Tesis doctoral	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
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
Use of ground based passive and active remote sensing for the retrieval of aerosol microphysical properties	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
Variability of aerosol properties in Málaga (Spain)	Bok of extended abstracts: iv reunión española de ciencia y tecnología de aerosoles	Capítulo de libro	2010
A practical framework for learning about weather and climate	International conference on education, research and innovation. iceri	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
Determination of aerosol optical properties by a calibrated sky imager	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	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

Deriving from courses and seminars			
Physical and optical properties of aerosols over an urban location in Spain: seasonal and diurnal variability	Atmospheric chemistry and physics discussions	Artículo	2009
Aerosol columnar properties retrieved from Cimel radiometers during Veleta 2002: Vienna Visibility Conference 2006	Atmospheric environment	Artículo	2008
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	Artículo	2008
Altitude effect in UV radiation during the evaluation of the effects of elevation and aerosols on the ultraviolet radiation 2002 (Veleta-2002) field campaign	Journal of Geophysical Research Atmospheres	Artículo	2008
Calibrated sky imager for aerosol optical properties determination	Atmospheric chemistry and physics discussions	Artículo	2008
Correction factors for a total scatter/backscatter nephelometer	Journal of Quantitative Spectroscopy & Radiative Transfer	Artículo	2008
Development and calibration of a star photometer to measure the aerosol optical depth: smoke observations at a high mountain site	Atmospheric environment	Artículo	2008
Development of a sky imager for cloud cover assessment	Optical Society of America. Journal of Optics, Image Science, and Vision	Artículo	2008
Light scattering and absorption properties of aerosol particles in the urban environment of Granada, Spain	Atmospheric environment	Artículo	2008
Retrieval of the optical depth by an all-sky CCD camera	Applied optics	Artículo	2008
Sun/star photometry to derive the aerosol optical depth	International Journal of Remote Sensing	Artículo	2008
Using a sky imager for aerosol characterization: Vienna Visibility Conference 2006	Atmospheric environment	Artículo	2008
Using a trichromatic CCD camera for spectral skylight estimation	Applied optics	Artículo	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
Aerosol radiative forcing efficiency in the UV region over southeastern Mediterranean: Veleta 2002 campaign	Journal of Geophysical Research	Artículo	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
Correction factors for a total scattering/backscattering nephelometer	Tenth Conference on Electromagnetics & Light Scattering	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
Diseño de prácticas en asignaturas relacionadas con la física en la titulación de CC. Ambientales	XXI Reunión Bienal de la Real Sociedad Española de Física. Comunicaciones Científicas	Capítulo de libro	2007
Powder X-ray thermogravimetric study of mirabilite and epsomite dehydration. Effects of direct IR-irradiation on samples.	Analytical chemistry	Artículo	2007
Uso del método Langley astronómico para la calibración relativa de un fotómetro estelar	XXI Reunión Bienal de la Real Sociedad Española de Física. Comunicaciones Científicas	Capítulo de libro	2007
Atmospheric aerosols during the 2003 heat wave in	Atmospheric environment	Artículo	2006

southeastern spain i: spectral optical depth			
Atmospheric aerosols during the 2003 heat wave in southeastern spain ii: microphysical columnar properties and radiative forcing	Atmospheric environment	Articulo	2006
Development of an all-sky imager for cloud classification	Second recent advances in quantitative remote sensing	Capítulo de libro	2006
Intercomparison of spectroradiometers and sun photometers for the determination of the aerosol optical depth during the veleta-2002 field campaign	Journal of geophysical research	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
Raman lidar measurements at the andalusian centre for environmental studies, ceama	Optica pura y aplicada	Articulo	2006
Sun/star photometry to derive the aerosol optical depth	Second recent advances in quantitative remote sensing	Capítulo de libro	2006
Sun/star photometry to derive the aerosol optical depth	Second recent advances in quantitative remote sensing	Capítulo de libro	2006
Aerosol columnar properties in the iberian peninsula during de 2003 heat wave	Abstract of the european aerosol conference (eac-2005)	Capítulo 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
Comparison of aerosol size distributions measured at ground level and calculated from inversion of solar radiances	Proc. of spie, remote sensing of clouds and the atmosphere	Articulo	2005
Experimental set up to study the cloud radiative effects on uvb at granada (spain)	Geophysical research abstracts	Articulo	2005
Lidar and radiometric measurements at granada (spain)	Geophysical research abstracts	Capítulo de libro	2005
Multi-annual variability of atmospheric transparency in estonia	Sun&shadow magazine. international conference solaris-2005	Capítulo de libro	2005
Multi-annual variability of atmospheric transparency in estonia	Sun & shadow magazine	Articulo	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
Aerosol related parameters intercomparison of cimel sunphotometers in the frame of the veleta 2002 field campaign	Optica pura y aplicada	Articulo	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			



Atmospheric aerosol changes in the vertical followed by sunphotometers and telephotometers during veleta 2002	Journal of aerosol science	Artículo	2004
Comparison of aerosol optical depth from multifilter rotating shadowband radiometer and robotic radiometer cimel ce-318	Journal of aerosol science	Artículo	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	Artículo	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	Artículo	2004
Indalo 2003 field campaign	Journal of aerosol science	Artículo	2004
Indalo-2003. presentación general de la campaña	4ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2004
Intercomparación de espectrorradiómetros licor-1800 en veleta-2002	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
Langley calibrations of sunphotometer at sierra nevada, granada, spain.	Optica pura y aplicada	Artículo	2004
Long term changes in aerosol size properties at armilla, granada (spain)	Atmospheric environment	Artículo	2004
Long-term changes in aerosol radiative properties at armilla (spain)	Atmospheric environment	Artículo	2004
Size distribution, scattering, extinction and absorption of a desert aerosol in southern spain	Journal of aerosol science	Artículo	2004
Veleta 2002 field campaign a general overview.	Optica pura y aplicada	Artículo	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	Artículo	2003
Atmospheric aerosol characteristics retrieved by sunphotometry and sky radiance measurements in a coastal location	Journal of the aerosol science. abstract of the european aerosol conference 2003	Capítulo de libro	2003
Monitoring atmospheric aerosol properties in an urban location by means of sunphotometry and sky radiance measurements	Journal of the aerosol science. abstract of the european aerosol conference 2003	Capítulo de libro	2003
Métodos de medida del flujo de calor sensible. comportamiento en zonas semi-áridas	Proceedings 3ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2003
Optical properties of the atmospheric aerosol determined by remote sensing and in situ ground based measurements	Journal of the aerosol science. abstract of the european aerosol conference 2003	Capítulo de libro	2003
Parameterizing uv erythemal irradiance under cloudy conditions	Geophysical research abstracts	Artículo	2003
Relationship between net radiation and solar radiation for semi-arid shrub-land	Agricultural and forest meteorology	Artículo	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	Journal of the aerosol science. abstract of the european aerosol	Capítulo	2003

sunphotometer measurements. a case study.	abstract of the european aerosol conference 2003	de libro	2003
Study of kb-1 parameter for sparse vegetation in a semi-arid region	Proceedings 3ª asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	2003
The influence of cloudiness on uv global irradiance (295-385 nm)	Agricultural and forest meteorology	Articulo	2003
The influence of clouds on surface uv erythematol irradiance	Atmospheric research	Articulo	2003
Estudio de las propiedades de los aerosoles atmosféricos en armilla (granada)	Universidad de granada. física aplicada	Tesis doctoral	2002
Optical characteristics of the aerosol in spain and austria and its effect on radiative forcing	Journal of geophysical research atmospheres	Articulo	2002
Size distributions of particles obtained by inversion of spectral extinction and scattering measurements	Optics and cosmic dust	Capítulo de libro	2002
Aerosol properties retrieved from sunphotometer measurements at armilla (spain), a suburban area	Journal of aerosol science	Articulo	2001
Assessment of the aerosol radiative forcing at granada	Journal of aerosol science	Articulo	2001
Dependence of one-minute global irradiance probability density distributions on hourly irradiation	Energy	Articulo	2001
On the use of a cloud modification factor for solar uv (290-385 nm) spectral range	Theoretical and applied climatology	Articulo	2001
Performance reduction of solar irradiance parametric models due to limitations in required aerosol data: case of the cpcr2 model	Theoretical and applied climatology	Articulo	2001
Comparison of cloudless sky parameterizations of solar irradiance at various spanish midlatitude locations	Theoretical and applied climatology	Articulo	2000
Empirical modeling of hourly direct irradiance by means of hourly global irradiance	Energy	Articulo	2000
Estimacion de las propiedades ópticas de los aerosoles a partir de medidas de radiancia espectral del cielo	Universidad de granada. física aplicada	Tesis doctoral	2000
Estimating solar ultraviolet irradiance (290-385 nm) by means of the spectral parametric models: spctral2 and smarts2	Annales geophysicae	Articulo	2000
Estimation of photosynthetically active radiation under cloudy conditions	Agricultural and forest meteorology	Articulo	2000
Optical characteristics of the aerosol in austria and spain	Journal of aerosol science	Articulo	2000
Parametric models to estimate photosynthetically active radiation in spain	Agricultural and forest meteorology	Articulo	2000
A comparison of ground level solar radiative effects of recent volcanic eruptions	Atmospheric environment	Articulo	1999
Aerosol size distributions derived from combined ground-based measurements of scattering and extinction	Journal of aerosol science	Articulo	1999
Análisis y modelización de los valores de irradiancia solar de un minuto	I asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	1999
Calibrado de un espectrorradiómetro de campo:técnica langley y lámpara estándar	I asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	1999
Dependencia de los valores de kt con la altura y con la elevación solar en sierra nevada para días despejados	I asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	1999
Estudio de la detección e impacto de dos erupciones volcánicas en las componentes de la irradiancia global a nivel de superficie: el chichón y mt. pinatubo	I asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	1999
Estimación de la radiación solar global ultravioleta mediante imágenes meteosat	Teledetección, avances y aplicaciones	Capítulo de libro	1999
Horizontal extinction of urban aerosol in vienna and	Journal of aerosol science	Articulo	1999

granada and the influence of agriculture activities	Journal of aerosol science	Artículo	1999
Obtención del espesor óptico de aerosoles sobre tierra a partir de imágenes avhrr	I asamblea hispano-portuguesa de geodesia y geofísica	Capítulo de libro	1999
One minute k(b) and k(d) probability density distributions conditioned to the optical air mass	Solar energy	Artículo	1999
Prediction of global irradiance on inclined surfaces from horizontal global irradiance	Energy	Artículo	1999
Validation of an empirical model for photosynthetically active radiation	International journal of climatology	Artículo	1999
Volcanic aerosol effects on radiometric series registered at spain	Journal of aerosol science	Artículo	1999
Determination of aerosol optical thickness from measurements of spectral sky radiance	Journal of aerosol science	Artículo	1998
One-minute global irradiance probability density distributions conditioned to the optical air mass	Solar energy	Artículo	1998
Reply to comment on local-scale variability of solar radiation in a mountainous region	Journal of applied meteorology	Artículo	1998
A comparative study of algorithms for estimating land surface temperature from avhrr data	Remote sensing of environment	Artículo	1997
Aplicaciones de los satelites meteorologicos polares al seguimiento de procesos medioambientales	Recursos naturales y medio ambiente en el sureste peninsular	Capítulo de libro	1997
Evolution of solar radiative effects of mount pinatubo at ground level	Tellus. series b: chemical and physical meteorology	Artículo	1997
Fire detection and growth monitoring using a multitemporal technique on avhrr mid-infrared and thermal channels	Remote sensing of environment	Artículo	1997
Obtencion de la irradiancia global y de la irradiancia fotosinteticamente activa a partir de imagenes meteosat	Teledeteccion aplicada a la gestion de recurso naturales y medio litoral marino	Capítulo de libro	1997
Uso de las imagenes avhrr para el seguimiento de incendios	Teledeteccion aplicada ala gestion de recursos naturales y medio litoral marino	Capítulo de libro	1997
Variabilidad espacio-temporal de la radiacion solar	Universidad de granada. física aplicada	Tesis doctoral	1997
Analisis de la radiacion solar de alta montaña y a nivel del mar. un estudio cualitativo	Avances en geofísica y geodesia	Artículo	1996
Performance of global to direct/diffuse decomposition models before and after the eruption of mt. pinatubo, june 1991	Solar energy	Artículo	1996
Primeros resultados del análisis de métodos de corrección de las medidas de irradiancia difusa con banda de sombra	Avances en geofísica y geodesia	Artículo	1996
On shadowband correction methods for diffuse irradiance measurements	Solar energy	Artículo	1995
Pinatubo eruption effects on solar-radiation at almeria (36.83-degrees-n, 2.41-degrees-w)	Tellus. series b: chemical and physical meteorology	Artículo	1995
Solar radiation resource assessment by means of silicon cells	Solar energy	Artículo	1995
The estimation of thermal atmospheric radiation under cloudy conditions	International journal of climatology	Artículo	1995
Cloudless sky parameterization of solar irradiance	Renewable energy	Artículo	1994
Evaluation of microclimate solar radiation in specific areas	Prediction of solar radiation in areas with a specific microclimate	Capítulo de libro	1994
The influence of clouds on diffuse irradiance calculations	Irs-92: .current problems in atmospheric radiation	Capítulo de libro	1992

	atmospheric radiation	de libro	
Analysis of the performance of a model for estimating thermal atmospheric radiation under cloudy conditions	Solar&#039;90. proceedings of the 1990 annual conference	Capítulo de libro	1990
Contribution to the graphical analysis of the sky radiance and angular distribution of global irradiance	Solar&#039;90. proceedings of the 1990 annual conference	Capítulo de libro	1990
Verification of two models to predict global radiation on a horizontal surface	Solar & wind technology	Artículo	1990
Microscale distribution of global radiation, correlation between global radiation and meteorological parameters and geographical characteristics	European solar microclimates. final report	Capítulo de libro	1989
Preliminary results of a solar radiation network in a high mountain region	Solar&#039;89. proceedings of the 1989 annual conference	Capítulo de libro	1989
Flicker techniques in the determination of visual latency		Artículo	1987

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Interaccion nube aerosol radiacion	Proyecto	12/30/16	12/29/20
2	Caracterización del material particulado atmosférico con especial énfasis en sus efectos sobre la salud y el patrimonio histórico.	Proyecto	1/30/14	10/31/18
3	Caracterización del material particulado atmosférico con especial énfasis en sus efectos sobre la salud y el patrimonio histórico (rnm-2409)	Proyecto	5/1/14	5/1/18
4	Influencia de la no esfericidad en las propiedades radiativas del aerosol atmosférico. aplicación al efecto global del polvo sahariano (noesaer).	Proyecto	1/13/09	1/13/13
5	Fotometría solar con el cimel ce318	Contrato	9/22/08	12/31/08
6	Caracterización del efecto radiativo de las nubes sobre la radiación ultravioleta espectral mediante el empleo de una cámara de cielo (cirrus)	Proyecto	12/1/03	11/30/06
7	Estudio de las propiedades ópticas de los aerosoles mediante medidas de radiancia del cielo y de extinción del haz solar	Proyecto	9/1/98	9/1/01

## Actividades 17

<b>Título actividad</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
Aneca-unidad de evaluación del profesorado		Experiencia en evaluación	Nov 17, 2014
Evaluador de la agencia nacional de evaluación y prospectiva (anep)		Experiencia en evaluación	Jan 1, 2005
Participación en: asociación española de ciencia y tecnología de aerosoles (gaef)	Gaef	Comité científico en sociedad ci	Jul 10, 2007
Participación en: association for aerosol research (gaef)	Gaef	Comité científico en sociedad ci	Jul 1, 1998
Participación en: asociación española de energía solar (ises)	Ises	Comité científico en sociedad ci	May 1, 1992
Participación en: international solar energy society (ises)	Ises	Comité científico en sociedad ci	Mar 1, 1990
Participación en: american geophysical union (agu)	Agu	Comité científico en sociedad ci	Feb 1, 1995
Participación en comité de revista: óptica pura y aplicada		Comités científicos de revista	Jan 1, 2006
Participación en comité de revista: boreal environmental research		Comités científicos de revista	Jan 1, 2007
Participación en comité de revista: advances in space research		Comités científicos de revista	Jan 1, 2002
Participación en comité de revista: journal of geophysical research		Comités científicos de revista	Jan 1, 2007
Participación en comité de revista: energy		Comités científicos de revista	Jan 1, 2000
Participación en comité de revista: geophysical research letters		Comités científicos de revista	Aug 1, 2007
Participación en comité de revista: solar energy		Comités científicos de revista	Jan 1, 1995
Participación en comité de revista: journal of applied meteorology		Comités científicos de revista	Jan 1, 2002
Participación en comité de revista: journal of aerosol science		Comités científicos de revista	Jan 1, 2002
Participación en comité de revista: environmental science and technology		Comités científicos de revista	Jul 1, 2007

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