



Física Aplicada

Áreas de conocimiento: Física Aplicada

Directora: M^a Carmen Carrión Pérez

Secretaria: María Tirado Miranda

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Profesorado: CU: 13, PTU: 25, PTEU: 1, PDI Contratado: 4

Tesis leídas

- A comprehensive evaluation of using magnetic particles for lake restoration

Doctorando: Azahara Merino Martos

Director: Inmaculada de Vicente Álvarez-Manzaneda y Juan de Vicente Álvarez-Manzaneda

Fecha de lectura: 14/07/2014

- Cation-mediated interaction between DNA and Anionic Lipid Surfaces: experimental and simulation study

Doctorando: Germán Luque Caballero

Director: Alberto Martín Molina (UGR), Julia Maldonado Valderrama (UGR) y Manuel Quesada Pérez (Universidad de Jaén)

Fecha de lectura: 24/07/2014

- Formation, stability and in vitro activity of colloidal systems for gene delivery

Doctorando: Azahara Rata Aguilar

Director: Antonio Martín Rodríguez, Juan Luis Ortega Vinuesa, Ana Belén Jódar Reyes

Fecha de lectura: 05/12/2014

- Characterization of atmospheric aerosol particles using in-situ techniques: optical, chemical and hygroscopic properties.

Doctorando: Gloria Titos Vela

Director: Lucas Alados Arboledas, Hasan Lyamani, Inmaculada Foyo Moreno

Fecha de lectura: 12/12/2014

- Assessing the impact of climate variability on seasonal streamflow forecasting in the Iberian peninsula.

Doctorando: José Manuel Hidalgo Muñoz

Director: Yolanda Castro Díez, María Jesús Esteban Parra, Sonia Raquel Gámiz Fortis

Fecha de lectura: 06/02/2015

- Colloidal assembly by convective deposition. The role of electric charge, substrate wettability and particle density.

Doctorando: Diego Noguera Marín

Director: Miguel Cabrerizo Vílchez, Miguel Ángel Rodríguez Valverde

Fecha de lectura: 27/02/2015

- Desarrollo de una metodología de toma de decisiones para el establecimiento de prioridades de actuación contra el ruido de tráfico en carreteras.

Doctorando: Alejandro Ruiz Padillo

Director: Diego Pablo Ruiz Padillo, Antonio Torija Martínez

Fecha de lectura: 13/03/2015

Grupos de Investigación.

RNM286 CLIMATOLOGIA URBANA Y CAMBIO CLIMATICO

- Responsable: JUAN IGNACIO JIMENEZ JIMENEZ

FQM115 FISICA DE FLUIDOS Y BIOCOLOIDES

- Responsable: MARÍA JOSÉ GÁLVEZ RUIZ

FQM144 FISICA DE INTERFASES Y SISTEMAS COLOIDALES

- Responsable: FERNANDO GONZALEZ CABALLERO

RNM119 FÍSICA DE LA ATMÓSFERA

- Responsable: YOLANDA CASTRO DÍEZ

FQM254 FISICA DE LA INFORMACION Y DE LOS SISTEMAS COMPLEJOS

- Responsable: RAMON ROMAN ROLDAN

TEP232 METODOS NUMÉRICOS Y TRATAMIENTO DE SEÑALES EN SISTEMAS DINÁMICOS

- Responsable: ANTOLINO GALLEGO MOLINA

TIC104 SISTEMAS, SEÑALES Y ONDAS

- Responsable: M^a DEL CARMEN CARRIÓN PÉREZ

Dirección y participación en Proyectos I+D

- 2015 ACTRIS-2 (Aerosols, Clouds, and Trace gases Research InfraStructure), EUROPEAN UNION, 01/01/2015-31/12/2017

Investigador/a ALADOS ARBOLEDAS, INMACULADA



- Investigador/a TITOS VELA, GLORIA
Investigador/a OLMO REYES, FRANCISCO JOSE
Investigador/a FOYO MORENO, INMACULADA
Investigador/a LYAMANI , HASSAN
Investigador/a GUERRERO RASCADO, JUAN LUIS
Investigador/a CAZORLA CABRERA, ALBERTO
Investigador/a VALENZUELA GUTIERREZ, ANTONIO
Investigador/a BRAVO ARANDA, JUAN ANTONIO
Investigador/a GRANADOS MUÑOZ, MARÍA JOSÉ
Coordinador ALADOS ARBOLEDAS, LUCAS
- 2014 **CloudRehab: sistema ampliado para la rehabilitación interdisciplinar de pacientes mediante plataforma móvil basada en tecnología nube**, Consejería de Igualdad, Salud y Política Social de la Junta de Andalucía, 01/01/2014-31/12/2016
Investigador/a CARRION PEREZ, FRANCISCA
- 2014 **Investigador en Proyecto de Excelencia de la Junta de Andalucía. Convocatoria 2012, Proyectos General de conocimiento y Proyectos Motrices y de Generación. Convocatoria 2012, 30/01/2014-30/01/2018**
Investigador/a CABRERIZO VÍLchez, MIGUEL ANGEL
Coordinador RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2014 **Caracterización del material particulado atmosférico con especial énfasis en sus efectos sobre la salud y el patrimonio histórico (RNM-2409)**, Proyectos Excelencia. Junta de Andalucía, 01/05/2014-01/05/2018
Investigador/a QUIRANTES SIERRA, ARTURO GABRIEL
Investigador/a ALADOS ARBOLEDAS, INMACULADA
Investigador/a LYAMANI , HASSAN
Investigador/a FOYO MORENO, INMACULADA
Responsable OLMO REYES, FRANCISCO JOSE
Investigador/a ALADOS ARBOLEDAS, LUCAS
- 2014 **Diseño de recubrimientos anti-adherentes mejorados**, Junta de Andalucía (Proyecto de Excelencia Motriz 2012), 30/01/2014-30/01/2018
Investigador/a CABRERIZO VÍLchez, MIGUEL ANGEL
- 2014 **Relación entre propiedades físico-químicas de sistemas coloidales y su eficacia en aplicaciones nanobiomédicas**, Programa estatal de I+D+I orientada a los retos de la sociedad. Plan estatal de Investigación Científica y Técnica y de Innovación 2013-16., 01/01/2014-31/12/2017
Participante MARTÍN RODRÍGUEZ, ANTONIO
Responsable JÓDAR REYES, ANA BELÉN
Investigador/a ORTEGA VINUESA, JUAN LUIS
Investigador/a RATA AGUILAR, AZAHARA
Investigador/a PEULA GARCIA, JOSE MANUEL
- 2014 **Seguimiento regional del aerosol atmosférico en tres dimensiones combinando Lidar multiespectral y red de ceilómetros-radiómetros (TRIAEROMONITOR)**, Ministerio de Economía y Competitividad, 01/01/2014-31/12/2016
Investigador/a ALADOS ARBOLEDAS, INMACULADA
Investigador/a OLMO REYES, FRANCISCO JOSE
Coordinador ALADOS ARBOLEDAS, LUCAS
Investigador/a FOYO MORENO, INMACULADA
Investigador/a QUIRANTES SIERRA, ARTURO GABRIEL
- 2014 **Tejidos Biológicos con Propiedades Mecánicas Controlables Mediante Campos Magnéticos**, Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad (Ministerio de Economía y Competitividad), 01/01/2014-31/12/2017
Responsable LÓPEZ LÓPEZ, MODESTO TORCUATO
Investigador/a GARCÍA LÓPEZ-DURÁN, JUAN DE DIOS
Investigador/a GONZALEZ CABALLERO, FERNANDO
Investigador/a RODRIGUEZ ARCO, LAURA
- 2014 **IMPACTOS DEL CAMBIO CLIMATICO EN LOS RECURSOS HIDRICOS DE LA CUENCA DEL DUERO A ALTA RESOLUCION (CLIWADO)**, Ministerio de Economía y Competitividad, 01/01/2014-31/12/2017
Responsable ESTEBAN PARRA, MARÍA JESÚS
- 2014 **Altitude control based in a Star Tracker and Earth's magnetic field measurement instrument in the Bexus ESA stratospheric balloon**, Genil: Start-up Projects for Young Researchers, 01/04/2014-31/01/2015
Investigador/a GALLEGO MOLINA, ANTOLINO
Investigador/a SUÁREZ VARGAS, ELISABET
Investigador/a SAGASTA MORENO, FRANCISCO ANTONIO

Contratos de investigación



- 2014 Tercera fase de formación del personal investigador adscrito a proyectos de investigación de excelencia (convocatoria 2009), , 05/12/2014-04/12/2015
LUQUE CABALLERO, GERMÁN

Publicaciones en revistas

- 2015 Artículo: Aerosol scattering and absorption Angström exponents as indicators of dust and dust-free days over Granada (Spain), Atmospheric research (Print), 154, , 1-13
ALADOS ARBOLEDAS, LUCAS
ANTON MARTÍNEZ, MANUEL
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LYAMANI , HASSAN
OLMO REYES, FRANCISCO JOSE
TITOS VELA, GLORIA
VALENZUELA GUTIERREZ, ANTONIO
- 2015 Artículo: Seasonality of net carbon exchanges of Mediterranean ecosystems across an altitudinal gradient, JOURNAL OF ARID ENVIRONMENTS, 115, , 1-9
KOWALSKI , ANDREW STEPHEN
RUIZ REVERTER, BORJA
SERRANO ORTIZ, PENELOPE
- 2015 Artículo en prensa: Semi-Hidden Markov Models for generation and analysis of sequences, MATHEMATICS AND COMPUTERS IN SIMULATION, , , -
GOMEZ LOPERA, JUAN FRANCISCO
ROMAN GALVEZ, RAMON
ROMAN ROLDAN, RAMON
- 2015 Artículo: Atmospheric boundary layer and ozone-aerosol interactions under Saharan intrusions observed during AMISOC summer campaign, Atmospheric Environment, 104, , 205-216
CÓRDOBA JABONERO, CARMEN
- 2015 Artículo: A long-term study of new particle formation in a coastal environment: meteorology, gas phase and solar radiation implications, SCIENCE OF THE TOTAL ENVIRONMENT, 511, , 723-737
ALADOS ARBOLEDAS, LUCAS
OLMO REYES, FRANCISCO JOSE
- 2015 Artículo: Particle roughness in magnetorheology: effect on the strength of the field-induced structures, Journal of Physics D: Applied Physics, 48, , 015309-11
DE VICENTE ALVAREZ-MANZANEDA, JUAN
HIDALGO ALVAREZ, ROQUE
SEGOVIA GUTIERREZ, JUAN PABLO
VEREDA MORATILLA, FERNANDO
- 2015 Artículo: Iron/magnetite nanoparticles as magnetic delivery systems for antitumor drugs, Journal of Nanoscience and Nanotechnology, 15, , 3507-3514
DELGADO MORA, ANGEL VICENTE
- 2015 Artículo: Energetics of albumin-disuccinylmaslinic acid binding determined by fluorescence spectroscopy, FLUID PHASE EQUILIBRIA, 400, , 43-52
GALISTEO GONZÁLEZ, FRANCISCO
- 2015 Artículo: Interaction between the anti-cancer drug diacetyl maslinic acid and bovine serum albumin: A biophysical study, Journal of molecular liquids (Print), 208, , 304-313
GALISTEO GONZÁLEZ, FRANCISCO
- 2015 Artículo: Role of spheroids particles on closure studies for aerosol microphysical properties, Quarterly Journal of the Royal Meteorological Society, , , -
ALADOS ARBOLEDAS, LUCAS
LYAMANI , HASSAN
OLMO REYES, FRANCISCO JOSE
QUIRANTES SIERRA, ARTURO GABRIEL
- 2014 Artículo: Selective desorption of organophosphonates on chemically functionalized titanium by Direct Laser Patterning, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 441, ,
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2014 Artículo: Health monitoring of web plastifying dampers subjected to cyclic loading through vibration tests, Structural health monitoring, 13, 1, 33-49
GALLEGO MOLINA, ANTOLINO
ROMO MELO, LILIANA MINELLY
- 2014 Artículo: Evaluation of enhancement events of total solar irradiance during cloudy conditions at Granada (Southeastern Spain), Atmospheric Research, 137, , 1-7
ALADOS ARBOLEDAS, LUCAS
ANTON MARTÍNEZ, MANUEL



- CAZORLA CABRERA, ALBERTO
OLMO REYES, FRANCISCO JOSE
- 2014 Artículo: Efficiency of clouds on shortwave radiation using experimental data, *APPLIED ENERGY*, 113, , 1216-1219
- ALADOS ARBOLEDAS, LUCAS
ANTON MARTÍNEZ, MANUEL
CAZORLA CABRERA, ALBERTO
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VALENZUELA GUTIERREZ, ANTONIO
- 2014 Review: Equilibrium contact angle or the most-stable contact angle?, *Advances in Colloids and Interface Science*, , , -
- CABRERIZO VÍLCHEZ, MIGUEL ANGEL
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2014 Review: Adsorption of DNA onto anionic lipid surfaces, *Advances in Colloids and Interface Science*, 206, , 172-185
- LUQUE CABALLERO, GERMÁN
MALDONADO VALDERRAMA, JULIA
MARTÍN MOLINA, ALBERTO
- 2014 Artículo: Post-fire salvage logging alters species composition and reduces cover, richness, and diversity in Mediterranean plant communities, *Journal of Environmental Management*, 133, , 323-328
- PEREZ SANCHEZ-CAÑETE, ENRIQUE
- 2014 Review: Cationic polymer nanoparticles and nanogels: From synthesis to biotechnological applications, *Chemical reviews*, 114, , 367-428
- HIDALGO ALVAREZ, ROQUE
- 2014 Artículo: A new technique to optimize the use of mode shape derivatives to localize damage in laminated composite plates, *Composite Structures*, 108, , 548-554
- MORENO GARCÍA, PABLO
- 2014 Artículo: Localization of damage with speckle shearography and higher order spatial derivatives, *Mechanical Systems and Signal Processing*, 49, 1-2, 24-38
- MORENO GARCÍA, PABLO
- 2014 Artículo: The electrokinetic and rheological behavior of phosphatidylcholine-treated TiO₂ suspensions, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 440, , 110-115
- DELGADO MORA, ANGEL VICENTE
- 2014 Artículo: Materials selection for optimum energy production by double layer expansion methods, *JOURNAL OF POWER SOURCES*, 261, , 371-377
- DELGADO MORA, ANGEL VICENTE
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IGLESIAS SALTO, GUILLERMO RAMÓN
- 2014 Artículo: Materials selection for optimum energy production by double layer expansion methods, *JOURNAL OF POWER SOURCES*, , , -
- DELGADO MORA, ANGEL VICENTE
FERNÁNDEZ MARTÍNEZ-REY, MARÍA DEL MAR
IGLESIAS SALTO, GUILLERMO RAMÓN
JIMENEZ OLIVARES, MARIA LUISA
- 2014 Artículo: Damage detection in CFRP plates using spectral entropy, *Shock and Vibration*, 2014, Article ID 693593, 1-8
- CASTRO RODRIGUEZ, ENRIQUE
GALLEGO MOLINA, ANTOLINO
MORENO GARCÍA, PABLO
- 2014 Artículo: Effect of root planing on surface topography: an in-vivo randomized experimental trial., *Journal of periodontal research*, , , -
- CABRERIZO VÍLCHEZ, MIGUEL ANGEL
- 2014 Artículo: Longwave aerosol radiative effects during an extreme desert dust event in southeastern Spain, *Atmospheric Research*, 148, , 18-23
- ALADOS ARBOLEDAS, INMACULADA
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ANTON MARTÍNEZ, MANUEL
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OLMO REYES, FRANCISCO JOSE
VALENZUELA GUTIERREZ, ANTONIO
- 2014 Artículo: Influence of solar eclipse of November 3rd, 2013 on the total ozone column over Badajoz, Spain, *Journal of Atmospheric and Solar-Terrestrial Physics*, 112, , 43-46
- ANTON MARTÍNEZ, MANUEL
- 2014 Artículo: A method to determine the ozone radiative forcing in the ultraviolet range from experimental data, *JOURNAL OF GEOPHYSICAL RESEARCH ATMOSPHERES*, 119, , 1860-1873



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ANTON MARTÍNEZ, MANUEL
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VALENZUELA GUTIERREZ, ANTONIO
- 2014 Artículo: Aerosol radiative effects in the ultraviolet, visible, and near-infrared spectral ranges using long-term aerosol data series over the Iberian Peninsula, *Atmospheric Chemistry Physics*, 14, , 13497-13514
- ALADOS ARBOLEDAS, LUCAS
ANTON MARTÍNEZ, MANUEL
- 2014 Artículo: The controversial early brightening in the first half of 20th century: A contribution from pyrhelimeter measurements in Madrid (Spain), *Global and Planetary Change*, 115, , 71-75
- ANTON MARTÍNEZ, MANUEL
- 2014 Artículo: Polyelectrolyte adsorption onto like-charged surfaces mediated by trivalent counterions: A Monte Carlo simulation study, *The Journal of chemical physics*, 140, 17, -
- LUQUE CABALLERO, GERMÁN
MARTÍN MOLINA, ALBERTO
- 2014 Artículo: Ecological functioning in grass-shrub Mediterranean ecosystems measured by eddy covariance, *Oecologia*, 175, , 1005-1017
- PÉREZ PRIEGO, OSCAR
PEREZ SANCHEZ-CAÑETE, ENRIQUE
RUIZ REVERTER, BORJA
SERRANO ORTIZ, PENELOPE
- 2014 Artículo: Aerosol light-scattering enhancement due to water uptake during the TCAP campaign, *Atmospheric Chemistry and Physics*, 14, , 7031-7043
- ALADOS ARBOLEDAS, LUCAS
LYAMANI , HASSAN
TITOS VELA, GLORIA
- 2014 Artículo: Identification of fine (PM1) and coarse (PM10-1) sources of particulate matter in an urban environment, *Atmospheric Environment*, 89, , 593-602
- ALADOS ARBOLEDAS, LUCAS
LYAMANI , HASSAN
TITOS VELA, GLORIA
- 2014 Artículo: Study of the relative humidity dependence of aerosol light-scattering in southern Spain, *Tellus Series B Chemical and Physical Meteorology*, 66, , 24536-
- ALADOS ARBOLEDAS, LUCAS
CAZORLA CABRERA, ALBERTO
FOYO MORENO, INMACULADA
LYAMANI , HASSAN
TITOS VELA, GLORIA
- 2014 Artículo: Determination and analysis of in situ spectral aerosol optical properties by a multi-instrumental approach, *ATMOSPHERIC MEASUREMENT TECHNIQUES*, 7, , 2373-2387
- ALADOS ARBOLEDAS, LUCAS
LYAMANI , HASSAN
TITOS VELA, GLORIA
- 2014 Artículo: Comment on "Using the gradient method to determine soil gas flux: A review", *Agricultural and forest meteorology (Print)*, 197, , 254-255
- KOWALSKI , ANDREW STEPHEN
PEREZ SANCHEZ-CAÑETE, ENRIQUE
- 2014 Artículo: Transition from Stripe-like Patterns to a Particulate Film Using Driven Evaporating Menisci, *Langmuir*, 30, 25, 7609-7614
- CABRERIZO VÍLCHEZ, MIGUEL ANGEL
MORAILA MARTÍNEZ, CARMEN LUCIA
NOGUERA MARÍN, DIEGO
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2014 Artículo: Bitumen spreading on calcareous aggregates at high temperature, *Journal of Materials Science*, 49, 22, 7723-7729
- CABRERIZO VÍLCHEZ, MIGUEL ANGEL
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2014 Artículo: Wettability and osteoblastic cell adhesion on ultrapolished commercially pure titanium surfaces: the role of the oxidation and pollution states, *Journal of adhesion science and technology (Print)*, 28, 12, 1207-1218
- CABRERIZO VÍLCHEZ, MIGUEL ANGEL
FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2014 Artículo: Comparison of the Interfacial Activity between Homogeneous and Janus Gold



- Nanoparticles by Pendant Drop Tensiometry, *Langmuir*, 30, 7, 1799-1804
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
HIDALGO ALVAREZ, ROQUE
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2014 Artículo: Bile salts at the air/water interface: Adsorption and desorption, *COLLOIDS AND SURFACES B-BIOINTERFACES*, 120, , 176-183
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
MALDONADO VALDERRAMA, JULIA
- 2014 Artículo: In-plane particle counting at contact lines of evaporating colloidal drops: effect of the particle electric charge, *Soft matter (Print)*, , , -
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
MORAILA MARTÍNEZ, CARMEN LUCIA
NOGUERA MARÍN, DIEGO
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2014 Artículo: 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*, 9242, , 92420E-1-
ALADOS ARBOLEDAS, LUCAS
OLMO REYES, FRANCISCO JOSE
- 2014 Artículo: 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*, , , -
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ANTON MARTÍNEZ, MANUEL
GRANADOS MUÑOZ, MARÍA JOSÉ
GUERRERO RASCADO, JUAN LUIS
LYAMANI , HASSAN
OLMO REYES, FRANCISCO JOSE
PÉREZ RAMÍREZ, DANIEL
QUIRANTES SIERRA, ARTURO GABRIEL
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VALENZUELA GUTIERREZ, ANTONIO
- 2014 Artículo: Using AFM to probe the complexation of DNA with anionic lipids mediated by Ca²⁺: the role of surface pressure., *Soft matter (Print)*, 10, 16, 2805-2815
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
LUQUE CABALLERO, GERMÁN
MALDONADO VALDERRAMA, JULIA
MARTÍN MOLINA, ALBERTO
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
SÁNCHEZ TREVIÑO, ALDA YADIRA
- 2014 Artículo: Surface microanalysis and chemical imaging of early dentin remineralization., *Microscopy and microanalysis (Print)*, 20, 1, 245-256
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
- 2014 Artículo: Quantifying the respective roles of aerosols and clouds in the strong brightening since the early 2000s over the Iberian Peninsula, *JOURNAL OF GEOPHYSICAL RESEARCH. D, ATMOSPHERES*, 119, , -
ANTON MARTÍNEZ, MANUEL
- 2014 Artículo: Modified Gutenberg-Richter Coefficient for Damage Evaluation in Reinforced Concrete Structures Subjected to Seismic Simulations on a Shaking Table, *Journal of nondestructive evaluation*, 33, 4, 616-631
GALLEGO MOLINA, ANTOLINO
SAGASTA MORENO, FRANCISCO ANTONIO
- 2014 Artículo: SPECTROSCOPIC INVESTIGATION ON THE INTERACTION OF MASLINIC ACID WITH BOVINE SERUM ALBUMIN, *Journal of Luminescence*, 156, , 141-149
GALISTEO GONZÁLEZ, FRANCISCO
- 2014 Artículo: Estimating aerosol characteristics from solar irradiance measurements at an urban location in Southeastern Spain, *JOURNAL OF GEOPHYSICAL RESEARCH. D, ATMOSPHERES*, , , -
ALADOS ARBOLEDAS, INMACULADA
ALADOS ARBOLEDAS, LUCAS
ANTON MARTÍNEZ, MANUEL
CAZORLA CABRERA, ALBERTO
FERNÁNDEZ GÁLVEZ, JESÚS
FOYO MORENO, INMACULADA



- 2014 Artículo: Dielectric relaxation in concentrated nonaqueous colloidal suspensions, JOURNAL OF COLLOID AND INTERFACE SCIENCE, 436, , 132-137
DELGADO MORA, ANGEL VICENTE
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- 2014 Artículo: 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, ÓPTICA PURA Y APLICADA, 47, 1, 43-49
ALADOS ARBOLEDAS, LUCAS
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- 2014 Artículo: Assimilation of lidar signals: application to aerosol forecasting in the Mediterranean Basin, Atmospheric chemistry and physics discussion, 14, , 13059-13107
ALADOS ARBOLEDAS, LUCAS
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- 2014 Artículo: Multispectral elastic scanning lidar for flares research: characterizing the electronic subsystem and application, , 22, 25, 31063-31077
ALADOS ARBOLEDAS, LUCAS
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- 2014 Artículo: Hygroscopic growth of atmospheric aerosol particles based on active remote sensing and radiosounding measurements, Atmospheric Measurement Techniques Discussions, 7, 10, 10293-
ALADOS ARBOLEDAS, LUCAS
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- 2014 Artículo: Retrieving aerosol microphysical properties by Lidar¿Radiometer Inversion Code (LIRIC) for different aerosol types, JOURNAL OF GEOPHYSICAL RESEARCH. D, ATMOSPHERES, 119, 8, 4836-4858
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- 2014 Artículo: Aerosol properties over the western Mediterranean Basin: temporal and spatial variability, Atmospheric chemistry and physics discussion, 14, , 21523-21564
ALADOS ARBOLEDAS, LUCAS
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- 2014 Artículo: Tropospheric water vapour and relative humidity profiles from lidar and microwave radiometry, ATMOSPHERIC MEASUREMENT TECHNIQUES, 7, , 1201-1211
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- 2014 Artículo: An integrated approach toward the incorporation of clouds in the temperature retrievals from microwave measurements, ATMOSPHERIC MEASUREMENT TECHNIQUES, 7, , 1619-1628
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- 2014 Comunicación en congreso: Magnetic biomaterials for tissue engineering applications, 14th International Conference on Electrorheological Fluids and Magnetorheological Suspensions, 07/07/2014, Granada, España, Congreso

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