



Física Aplicada

Áreas de conocimiento: Física Aplicada

Director: Jorge Andrés Portí Durán

Secretaria: María Tirado Miranda

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Profesorado: CU: 14, PTU: 25, PTEU: 1, PDI Contratado y Otros: 20+23.

Tesis leídas

- Proyecciones de cambio climático para la precipitación en América tropical mediante técnicas de downscaling estadístico

Doctorando: Reiner Palomino Lemus

Director: María Jesús Esteban Parra y Yolanda Castro Diez

Fecha de lectura: 04/12/2015

- Predicción del clima de Colombia en escalas estacional e interanual

Doctorando: Samir Córdoba Machado

Director: María Jesús Esteban Parra y Sonia Raquel Gámiz Fortis

Fecha de lectura: 04/12/2015

- Physicochemical characterization of the interfacial behavior of janus nanoparticles

Doctorando: Miguel Ángel Rodríguez Valverde

Director: Miguel Ángel Rodríguez Valverde and Roque Hidalgo Álvarez

Fecha de lectura: 11/12/2015

- Retrieval of CO₂ and collisional parameters from the mipas spectra in the earth atmosphere

Doctorando: Reiner Palomino Lemus

Director: Manuel López Puertas and Bernd Funke

Fecha de lectura: 11/12/2015

- Squeeze flow and polydispersity effects in magnetorheology

Doctorando: José Ruiz López

Director: Juan de Vicente Álvarez-Manzaneda and Roque Hidalgo Álvarez

Fecha de lectura: 18/12/2015

- Specific effects of organic and inorganic ions in soft interfaces

Doctorando: Leonor Pérez Fuentes

Director: Delfina Bastos González, Carlos Drummond and Jordi Faraudo

Fecha de lectura: 22/01/2016

- Estudio de superficies texturizadas desde topografía micrométrica a nanométrica para aplicaciones bioadhesivas

Doctorando: Pedro Jesús Ramón Torregrosa

Director: Miguel Ángel Rodríguez Valverde y Miguel Cabrerizo Vílchez

Fecha de lectura: 29/01/2016

- Evaluación de daño en estructuras de hormigón armado sometidas a cargas sísmicas mediante el método de emisión acústica

Doctorando: Francisco Antonio Sagasta Moreno

Director: Antolín Gallego Molina y Amadeo Benavent Climent

Fecha de lectura: 29/01/2016

- Caracterización topográfica de implantes de uso comercial

Doctorando: Amparo Mendoza Arnau

Director: Juan Ignacio Rosales Leal, Manuel Vallecillo Capilla y Miguel Cabrerizo Vílchez

Fecha de lectura: 08/02/2016

Grupos de Investigación.

RNM28 CLIMATOLOGIA URBANA Y CAMBIO CLIMATICO

- Responsable: JUAN IGNACIO JIMENEZ JIMENEZ

TIC104 SISTEMAS, SEÑALES Y ONDAS

- Responsable: M^a DEL CARMEN CARRIÓN PÉREZ

TEP232 METODOS NUMÉRICOS Y TRATAMIENTO DE SEÑALES EN SISTEMAS DINÁMICOS

- Responsable: ANTOLINO GALLEGO MOLINA

RNM11 FÍSICA DE LA ATMÓSFERA

- Responsable: LUCAS ALADOS ARBOLEDAS

FQM25 FÍSICA DE LA INFORMACION Y DE LOS SISTEMAS COMPLEJOS

- Responsable: RAMON ROMAN ROLDAN

FQM14 FÍSICA DE INTERFASES Y SISTEMAS COLOIDALES

- Responsable: FERNANDO GONZALEZ CABALLERO

FQM11 FÍSICA DE FLUIDOS Y BIOCOLOIDES

- Responsable: MARÍA JOSÉ GÁLVEZ RUIZ



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: TITOS VELA, GLORIA
Coordinador: ALADOS ARBOLEDAS, LUCAS
Investigador/a: FOYO MORENO, INMACULADA
Investigador/a: ALADOS ARBOLEDAS, INMACULADA
Investigador/a: LYAMANI , HASSAN
Investigador/a: GUERRERO RASCADO, JUAN LUIS
Investigador/a: CAZORLA CABRERA, ALBERTO
Investigador/a: VALENZUELA GUTIERREZ, ANTONIO
Investigador/a: OLMO REYES, FRANCISCO JOSE
Investigador/a: GRANADOS MUÑOZ, MARÍA JOSÉ
Investigador/a: BRAVO ARANDA, JUAN ANTONIO
- 2015 Hacia el balance integrado de Gases de Efecto Invernadero en ecosistemas nacionales de alto impacto social y económico (GEISpain), Ministerio de Economía y Competitividad, 01/01/- 2015 - 31/12/2017
Responsable: SERRANO ORTIZ, PENELOPE
Responsable: KOWALSKI , ANDREW STEPHEN
Participante: PEREZ SANCHEZ-CAÑETE, ENRIQUE
- 2015 Diseño y preparación de superficies repelentes de líquidos operando en condiciones extremas, Programa Estatal de I+D+i Orientada a los Retos de la Sociedad, 01/01/- 2015 -31/12/2017
Investigador/a: CABRERIZO VÍLCHEZ, MIGUEL ANGEL
Investigador/a: RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2015 ECOPOTENTIAL- ECOMODRES: Improving future ecosystem benefits through Earth observations, H2020-, 01/09/- 2015 -30/09/2019
Participante: SERRANO ORTIZ, PENELOPE
Participante: KOWALSKI , ANDREW STEPHEN
- 2015 eLTER: European Long- Term Ecosystem and socio-ecological Research Infraestructure, H2020, 01/09/- 2015 -30/09/2019
Participante: KOWALSKI , ANDREW STEPHEN

Contratos de investigación

- 2015 Rehabilitación de vigas de madera mediante refuerzos de material compuesto laminado de fibra de carbono (CFRP). Comportamiento mecánico y evaluación de fallos con emisión acústica, , 15/01/- 2015 - 14/01/- 2016
Participante: SAGASTA MORENO, FRANCISCO ANTONIO
Responsable: GALLEGU MOLINA, ANTONINO
Investigador/a: SUÁREZ VARGAS, ELISABET
- 2015 Informe bianual de seguimiento del Plan de Acción de Energía Sostenible en Granada, Contrato art. 11/45 LRU - 68/83 LOU, 07/01/- 2015 -30/05/- 2015
Responsable: VIDA MANZANO, JERONIMO
- 2015 Revisión del Mapa Estratégico de Ruidos de Granada, Contrato art. 11/45 LRU - 68/83 LOU, 28/10/- 2015 -30/06/- 2016
Responsable: VIDA MANZANO, JERONIMO
- 2015 Indicadores de Sostenibilidad Urbana para la ciudad de Granada, Contrato art. 11/45 LRU - 68/83 LOU, 15/12/- 2015 -14/03/- 2016
Responsable: VIDA MANZANO, JERONIMO

Publicaciones en revistas

- 2016 Artículo: Model magnetorheology: A direct comparative study between theories,, Journal of Rheology, 60, 1, 61-74
DE VICENTE ALVAREZ-MANZANEDA, JUAN
FERNÁNDEZ TOLEDANO, JUAN CARLOS
HIDALGO ALVAREZ, ROQUE
RUIZ LÓPEZ, JOSÉ ANTONIO
- 2016 Artículo: Effect of the terminal group of phosphonate Self Assembled Films formed on Ti surfaces on biomimetic layer formation and cell adhesion, APPLIED SURFACE SCIENCE, 362, 30, 304-314
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
SÁNCHEZ TREVIÑO, ALDA YADIRA
- 2016 Artículo: Nanoscopic dynamic mechanical analysis of resin-infiltrated dentine, under in vitro chewing and bruxism events, Journal Of The Mechanical Behavior Of Biomedical Materials
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2016 Artículo: Sensitivity of UV erythemal radiation to total ozone changes under different sky



- conditions: results for Granada, Spain, Photochemistry and Photobiology, 92, , 215-219
ALADOS ARBOLEDAS, LUCAS
ANTON MARTÍNEZ, MANUEL
CAZORLA CABRERA, ALBERTO
OLMO REYES, FRANCISCO JOSE
- 2016 Artículo: Estudio experimental de un sistema no-lineal: Reacción de Belousov-Zhabotinsky, Revista española de física, , , -
GÁLVEZ RUIZ, MARÍA JOSÉ
- 2016 Artículo: Polyelectrolyte Complexes of Low Molecular Weight PEI and Citric Acid as Efficient and Nontoxic Vectors for in Vitro and in Vivo Gene Delivery, Bioconjugate chemistry, 27, , 549-561
JÓDAR REYES, ANA BELÉN
- 2016 Artículo: Biocompatible magnetic core-shell nanocomposites for engineered magnetic tissues, NANOSCALE, 8, , 8138-8150
GARCÍA LÓPEZ-DURÁN, JUAN DE DIOS
LÓPEZ LÓPEZ, MODESTO TORCUATO
RODRIGUEZ ARCO, LAURA
- 2016 Editorial: 14th International Conference on Electrorheological Fluids and Magnetorheological Suspensions- Part 2, Journal of Intelligent Material Systems and Structures, 27, 7, 847-848
GONZALEZ CABALLERO, FERNANDO
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2016 Artículo: N-like rheograms of concentrated suspensions of magnetic particles, Journal of Rheology, 60, 2, 267-274
GONZALEZ CABALLERO, FERNANDO
LÓPEZ LÓPEZ, MODESTO TORCUATO
RODRIGUEZ ARCO, LAURA
- 2016 Artículo: Towards a theory of mechanical properties of ferrogels. Effect of chain-like aggregates, Physica. A, 455, , 98-103
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2016 Artículo en prensa: Topographic Characterization of Dental Implants for Commercial Use, Medicina Oral, Patología Oral y Cirugía Bucal, 1, 1, 1-2
CABRERIZO VÍLchez, MIGUEL ANGEL
- 2016 Artículo: Surface-Parallel Sensor Orientation for Assessing Energy Balance Components on Mountain Slopes, Boundary-Layer Meteorology, 158, , 486-499
ALADOS ARBOLEDAS, LUCAS
KOWALSKI , ANDREW STEPHEN
OLMO REYES, FRANCISCO JOSE
PÉREZ PRIEGO, OSCAR
PEREZ SANCHEZ-CAÑETE, ENRIQUE
SERRANO ORTIZ, PENELOPE
- 2016 Artículo: Submicron-to-nanoscale structure characterization and organization of crystals in dentin bioapatites, RSC Advances, 6, , 45265-45278
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2016 Artículo: Modelling interannual variation in the spring and autumn land surface phenology of the European forest, Biogeosciences (Print), 13, , 3305-3317
SÁNCHEZ CASTILLO, MANUEL
- 2016 Artículo: Seasonal streamflow prediction in Colombia using atmospheric and oceanic patterns, Journal of Hydrology, 538, , 1-12
GAMIZ FORTIS, SONIA RAQUEL
- 2016 Artículo en prensa: Effect of cross-linker glutaraldehyde on gastric digestion of emulsified albumin, Colloids and Surfaces B: Biointerfaces, , , -
GALISTEO GONZÁLEZ, FRANCISCO
MALDONADO VALDERRAMA, JULIA
- 2016 Artículo en prensa: Simultaneous presence of dynamic and sphere action component in the fluorescence quenching of human serum albumin by diphthaloylmalonic acid, Journal of Luminescence, , , -
GALISTEO GONZÁLEZ, FRANCISCO
- 2016 Artículo: Faceted particles: An approach for the enhancement of the elasticity and the yield stress of magnetorheological fluids, Applied Physics Letters, 108, , 211904-4
DE VICENTE ALVAREZ-MANZANEDA, JUAN
HIDALGO ALVAREZ, ROQUE
SEGOVIA GUTIERREZ, JUAN PABLO
VEREDA MORATILLA, FERNANDO
- 2016 Artículo: Facile synthesis of magnetic agarose microfibers by directed self-assembly in W/O emulsions, Polymer, 93, , 61-64
DE VICENTE ALVAREZ-MANZANEDA, JUAN



- HIDALGO ALVAREZ, ROQUE
VEREDA MORATILLA, FERNANDO
- 2016 Artículo: 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*, 9, 3, 1113-1133
- ALADOS ARBOLEDAS, LUCAS
BRAVO ARANDA, JUAN ANTONIO
GRANADOS MUÑOZ, MARÍA JOSÉ
GUERRERO RASCADO, JUAN LUIS
LYAMANI , HASSAN
NAVAS GUZMAN, FRANCISCO JESUS
OLMO REYES, FRANCISCO JOSE
PÉREZ RAMÍREZ, DANIEL
TITOS VELA, GLORIA
VALENZUELA GUTIERREZ, ANTONIO
- 2016 Artículo: The new sun-sky-lunar Cimel CE318-T multiband photometer ¿ a comprehensive performance evaluation, *Atmospheric Measurement Techniques*, 9, , 631-654
- ALADOS ARBOLEDAS, LUCAS
GRANADOS MUÑOZ, MARÍA JOSÉ
- 2015 Artículo: Damage assessed by Wavelet scale bands and b-value in dynamical tests of a reinforced concrete slab monitored with acoustic emission, *Mechanical Systems and Signal Processing*, 60-61, , 75-89
- GALLEGO MOLINA, ANTOLINO
PIOTRKOWSKI , ROSA
SAGASTA MORENO, FRANCISCO ANTONIO
- 2015 Artículo: Surface activity and collective behaviour of colloiddally stable Janus-like particles at the air-water interface, *Soft Matter*, 10, 19, 3471-3476
- CABRERIZO VÍLCHEZ, MIGUEL ANGEL
FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
HIDALGO ALVAREZ, ROQUE
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2015 Artículo: Subphase exchange experiments with the pendant drop technique, *Advances in Colloids and Interface Science*, 222, , 488-501
- CABRERIZO VÍLCHEZ, MIGUEL ANGEL
MALDONADO VALDERRAMA, JULIA
TORCELLO GÓMEZ, AMELIA
- 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
CAZORLA CABRERA, ALBERTO
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: The role of hydrophobic alkyl chains in the physicochemical properties of poly(β -amino ester)/DNA complexes, *Colloids and surfaces. B, Biointerfaces (Print)*, 126, , 374-380
- JÓDAR REYES, ANA BELÉN
MARTÍN RODRÍGUEZ, ANTONIO
ORTEGA VINUESA, JUAN LUIS
RATA AGUILAR, AZAHARA
- 2015 Artículo: Hygroscopic growth of atmospheric aerosol particles based on active remote sensing and radiosounding measurements, *Atmospheric Measurement Techniques*, 8, , 705-718
- ALADOS ARBOLEDAS, LUCAS
BRAVO ARANDA, JUAN ANTONIO
FERNÁNDEZ GÁLVEZ, JESÚS
GRANADOS MUÑOZ, MARÍA JOSÉ
GUERRERO RASCADO, JUAN LUIS
LYAMANI , HASSAN
NAVAS GUZMAN, FRANCISCO JESUS



- TITOS VELA, GLORIA
VALENZUELA GUTIERREZ, ANTONIO
- 2015 Artículo: Entropic image segmentation of sessile drops over patterned acetate, *Mathematics and Computers in Simulation*, 118, , 239-247
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
GOMEZ LOPERA, JUAN FRANCISCO
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2015 Artículo: Semi-Hidden Markov Models for generation and analysis of sequences, *Mathematics and Computers in Simulation*, 118, , 320-328
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: Temporal variability and potential predictability of the streamflow regimes in the northeastern Iberian Peninsula, *River Research and Applications*, 31, 10, 1287-1298
CASTRO DÍEZ, YOLANDA
ESTEBAN PARRA, MARÍA JESÚS
GAMIZ FORTIS, SONIA RAQUEL
HIDALGO MUÑOZ, JOSÉ MANUEL
- 2015 Artículo: Influence of tropical Pacific SST on seasonal precipitation in Colombia: Prediction using El Niño and El Niño Modoki, *Climate Dynamics*, 44, 5, 1293-1310
ESTEBAN PARRA, MARÍA JESÚS
- 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*, 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
- 2015 Artículo: Empirical estimation of daytime net radiation from shortwave radiation and ancillary information, *Agricultural and forest meteorology (Print)*, 211-212, , 23-36
SERRANO ORTIZ, PENELOPE
- 2015 Artículo: 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*, 67, , 27482-27501
ALADOS ARBOLEDAS, LUCAS
OLMO REYES, FRANCISCO JOSE
QUIRANTES SIERRA, ARTURO GABRIEL
- 2015 Artículo: Preparation of multi-funcionalized Fe₃O₄/Au nanoparticles for medical purposes, *Colloids and Surfaces B: Biointerfaces*, 128, , 1-7
DELGADO MORA, ANGEL VICENTE
RUDZKA , KATARZYNA
- 2015 Artículo: Characterization of forest fire smoke event near Washington, DC in summer 2013 with multi-wavelength lidar, *Atmospheric chemistry and physics (Print)*, 15, , 1647-1660
PÉREZ RAMÍREZ, DANIEL



- 2015 Artículo: Use of rotational Raman measurements in multiwavelength aerosol lidar for evaluation of particle backscattering and extinction, *Atmospheric Measurement Techniques*, 8, , 6759-6795
PÉREZ RAMÍREZ, DANIEL
- 2015 Artículo: High temporal resolution estimates of columnar aerosol microphysical parameters from spectrum of aerosol optical depth by linear estimation: application to long-term AERONET and star-photometry measurements, *ATMOSPHERIC MEASUREMENT TECHNIQUES*, 8, , 3117-3133
ALADOS ARBOLEDAS, LUCAS
PÉREZ RAMÍREZ, DANIEL
- 2015 Artículo: General electrokinetic model for concentrated suspensions in aqueous electrolyte solutions: Electrophoretic mobility and electrical conductivity in static electric fields, *Journal of Colloid and Interface Science*, 455, , 46-54
DELGADO MORA, ANGEL VICENTE
- 2015 Artículo: Use of rotational Raman measurements in multiwavelength aerosol lidar for evaluation of particle backscattering and extinction, *ATMOSPHERIC MEASUREMENT TECHNIQUES*, 8, , 4111-
PÉREZ RAMÍREZ, DANIEL
- 2015 Artículo: High temporal resolution estimates of columnar aerosol microphysical parameters from spectrum of aerosol optical depth by Linear Estimation: application to long-term AERONET and Star-photometry measurements, *Atmospheric Measurement Techniques*, 8, , 2331-2378
ALADOS ARBOLEDAS, LUCAS
PÉREZ RAMÍREZ, DANIEL
- 2015 Artículo: Bone Regeneration from PLGA Micro-Nanoparticles, *Journal of Biomedicine and Biotechnology*, - 2015 .Article ID 415289, , 1-18
JÓDAR REYES, ANA BELÉN
PEULA GARCIA, JOSE MANUEL
- 2015 Artículo: Machine learning predictive models for mineral prospectivity: an evaluation of Neural Networks, Random Forest, Regression Trees and Support Vector machines, *Ore Geology Reviews*, 71, , 804-818
SÁNCHEZ CASTILLO, MANUEL
- 2015 Artículo: Real-time damage mechanisms assessment in CFRP samples via acoustic emission Lamb wave modal analysis, *Composites Part B: Engineering*, , 68, 317-326
GALLEGO MOLINA, ANTOLINO
SUÁREZ VARGAS, ELISABET
- 2015 Artículo: Concrete-galvanized steel pull-out bond assessed by Acoustic Emission, *Journal of Materials in Civil Engineering*, , , -
GALLEGO MOLINA, ANTOLINO
SUÁREZ VARGAS, ELISABET
- 2015 Artículo: An Optimal Segmentation Method Using Jensen-Shannon Divergence via a Multi-Size Sliding Window Technique, *Entropy. An International and Interdisciplinary Journal of Entropy and Information Studies*, 17, 12, 7996-8006
BLANCO NAVARRO, DAVID
GOMEZ LOPERA, JUAN FRANCISCO
- 2015 Review: Surface activity of Janus particles adsorbed at fluid-fluid interfaces: Theoretical and experimental aspects, *Advances in Colloids and Interface Science*, , , -
CABRERIZO VÍLchez, MIGUEL ANGEL
FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
HIDALGO ALVAREZ, ROQUE
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2015 Artículo: Interfacial Activity and Contact Angle of Homogeneous, Functionalized, and Janus Nanoparticles at the Water/Decane Interface, *Langmuir*, 31, 32, 8818-8823
CABRERIZO VÍLchez, MIGUEL ANGEL
FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
HIDALGO ALVAREZ, ROQUE
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2015 Artículo: A simple strategy to improve the interfacial activity of true Janus gold nanoparticles: a shorter hydrophilic capping ligand, *Soft Matter*, , , -
CABRERIZO VÍLchez, MIGUEL ANGEL
FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
HIDALGO ALVAREZ, ROQUE
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2015 Artículo: A comparative study on the effect of hydrodynamic interactions in the non-sequential deposition of concentrated colloidal dispersions: stochastic rotation dynamics and Brownian dynamics simulations, *Molecular Physics*, 113, 22, 3587-3597
HIDALGO ALVAREZ, ROQUE
MONCHO JORDÁ, ARTURO
- 2015 Artículo: Specific ion effects on the electrokinetic properties of iron oxide



- nanoparticles:experiments and simulations, PCCP. Physical Chemistry Chemical Physics, 17, ,
HIDALGO ALVAREZ, ROQUE
MARTÍN MOLINA, ALBERTO
VEREDA MORATILLA, FERNANDO
- 2015 Artículo: Effect of Particle Aspect Ratio in Magnetorheology, SMART MATERIALS AND
STRUCTURES, 24, , 125005-
DE VICENTE ALVAREZ-MANZANEDA, JUAN
DE VICENTE ALVAREZ-MANZANEDA, JUAN
- 2015 Artículo: Tribological Behavior of Ionic Liquid-based Magnetorheological Fluids in Steel and
Polymeric Point Contacts, Tribology International, 81, , 309-320
DE VICENTE ALVAREZ-MANZANEDA, JUAN
- 2015 Artículo: Relationship between fraction of backscattered light and asymmetry parameter,
JOURNAL OF AEROSOL SCIENCE, 91, , 43-53
ALADOS ARBOLEDAS, LUCAS
LYAMANI , HASSAN
OLMO REYES, FRANCISCO JOSE
QUIRANTES SIERRA, ARTURO GABRIEL
- 2015 Artículo: Enhanced antitumoral activity of doxorubicin against lung cancer cells using, DRUG DES
DEV THER, 9, , -
DELGADO MORA, ANGEL VICENTE
- 2015 Artículo: Simulations of polydisperse magnetorheological fluids;, Journal of Rheology, 59, 2, 475-
DE VICENTE ALVAREZ-MANZANEDA, JUAN
FERNÁNDEZ TOLEDANO, JUAN CARLOS
HIDALGO ALVAREZ, ROQUE
RUIZ LÓPEZ, JOSÉ ANTONIO
- 2015 Artículo: Olive-oil nanocapsules stabilized by HSA: influence of processing variables on particle
properties, Journal of Nanoparticle Research, 17, , 391-404
GALISTEO GONZÁLEZ, FRANCISCO
- 2015 Artículo: Enhancement of the net CO₂ release of a semiarid grassland in SE Spain by rain pulses,
Journal of Geophysical Research:Biogeosciences, , , -
KOWALSKI , ANDREW STEPHEN
PÉREZ PRIEGO, OSCAR
PEREZ SANCHEZ-CAÑETE, ENRIQUE
SERRANO ORTIZ, PENELOPE
- 2015 Artículo: On modeling and nanoanalysis of caries-affected dentin surfaces restored with Zn-
containing amalgam and in vitro oral function., Biointerphases, 10, 4, 041004-041004
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2015 Artículo: Improved DNA condensation, stability, and transfection with alkyl sulfonyl-functionalized
PAMAM G2, Journal of Nanoparticle Research, 17, 198, 1-11
JÓDAR REYES, ANA BELÉN
MALDONADO VALDERRAMA, JULIA
MARTÍN RODRÍGUEZ, ANTONIO
ORTEGA VINUESA, JUAN LUIS
RATA AGUILAR, AZAHARA
- 2015 Artículo: Generation and Characterization of Novel Magnetic Field-Responsive Biomaterials, PLoS
One, 10, 7, e0133878-1-e0133878-17
GARCÍA LÓPEZ-DURÁN, JUAN DE DIOS
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2015 Artículo: Dynamics of magnetic assembly of binary colloidal structures, Europhysics Letters
(Online), 111, , 37002-1-37002-6
LÓPEZ LÓPEZ, MODESTO TORCUATO
RODRIGUEZ ARCO, LAURA
- 2015 Artículo: Role of Steric Interactions on the Ionic Permeation Inside Charged Microgels: Theory and
Simulations, Macromolecules, 48, 13, 4645-4656
AHUALLI , SILVIA ALEJANDRA
MARTÍN MOLINA, ALBERTO
MONCHO JORDÁ, ARTURO
- 2015 Artículo: Assessing the impact of El Niño Modoki on seasonal precipitation in Colombia, Global
And Planetary Change (Print), 124, , 41-61
CASTRO DÍEZ, YOLANDA
ESTEBAN PARRA, MARÍA JESÚS
GAMIZ FORTIS, SONIA RAQUEL
- 2015 Artículo: Summer precipitation projections over northwestern South America from CMIP5 models,
Global And Planetary Change (Print), 131, , 11-23
CASTRO DÍEZ, YOLANDA



- ESTEBAN PARRA, MARÍA JESÚS
GAMIZ FORTIS, SONIA RAQUEL
- 2015 Artículo: Long-range seasonal streamflow forecasting over the Iberian Peninsula using large-scale atmospheric and oceanic information, *Water Resources Research*, 51, 5, 3543-3567
ARGÜESO, DANIEL
CASTRO DÍEZ, YOLANDA
ESTEBAN PARRA, MARÍA JESÚS
GAMIZ FORTIS, SONIA RAQUEL
HIDALGO MUÑOZ, JOSÉ MANUEL
- 2015 Artículo: Effect of cross-linker and charge on the scattered light by dilute aqueous dispersions of nanogel particles, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 484, ,
CALLEJAS FERNÁNDEZ, JOSÉ
- 2015 Artículo: On the scattered light by dilute aqueous dispersions of nanogel particles, *JOURNAL OF COLLOID AND INTERFACE SCIENCE*, 450, , 310-315
CALLEJAS FERNÁNDEZ, JOSÉ
MONCHO JORDÁ, ARTURO
- 2015 Artículo: Natural inhibitors of Lipase: Examining lipolysis in a single droplet, *Journal of Agricultural and Food Chemistry*, 63, 47, 10333-10340
GÁLVEZ RUIZ, MARÍA JOSÉ
- 2015 Artículo: Daily GPP estimates in Mediterranean ecosystems by combining remote sensing and meteorological data, *ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING*, 102, ,
PÉREZ PRIEGO, OSCAR
SERRANO ORTIZ, PENELOPE
- 2015 Artículo: Intercomparisons of Mobility Size Spectrometers and Condensation Particle Counters in the Frame of the Spanish Atmospheric Observational Aerosol Network, *Aerosol science and technology (Print)*, 48, , 777-785
TITOS VELA, GLORIA

Libros (con ISBN)

- 2015 Espacio-tiempo cuántico: RBA, , - 2015 , 978-84-473-8304-7
QUIRANTES SIERRA, ARTURO GABRIEL
- 2015 Emisión Acústica. Niveles 1 y 2: Fundación Confemetal, España, - 2015 , 978-84-15781-43-1
GALLEGO MOLINA, ANTOLINO
SUÁREZ VARGAS, ELISABET

Capítulos de libros (con ISBN)

- 2015 Título Capítulo: Aerosol cloud interaction: a multiplatform-scenario-based methodology, Título Libro: *Proceedings of SPIE - 2015 : SPIE*, , - 2015 ,
ALADOS ARBOLEDAS, LUCAS
GUERRERO RASCADO, JUAN LUIS
- 2015 Título Capítulo: O₃ and NO_x Exchange, Título Libro: *Review and Integration of Biosphere-Atmosphere Modelling of Reactive Trace Gases and Volatile Aerosols*: Springer, , - 2015 , 978-94-KOWALSKI, ANDREW STEPHEN
- 2015 Título Capítulo: Gaseous Stomatal Exchange and Relation to Ecosystem Functioning, Título Libro: *Review and Integration of Biosphere-Atmosphere Modelling of Reactive Trace Gases and Volatile Aerosols*: Springer, , - 2015 , 978-94-017-7284-6
KOWALSKI, ANDREW STEPHEN
- 2015 Título Capítulo: Stick-slip instabilities in magnetorheological fluids, Título Libro: *Rheology of Non-Spherical Particle Suspensions*: ISTE Press, , - 2015 , 9781785480362
GARCÍA LÓPEZ-DURÁN, JUAN DE DIOS
LÓPEZ LÓPEZ, MODESTO TORCUATO
RODRIGUEZ ARCO, LAURA

Contribuciones en congresos

- 2015 Poster en Congreso: Evaluation of LIRIC with two sun photometers at different height levels: Statistical analysis, II Iberian Meeting on Aerosol Science and Technology, 07/07/2014, Tarragona, Spain, Congreso
ALADOS ARBOLEDAS, LUCAS
GUERRERO RASCADO, JUAN LUIS
BRAVO ARANDA, JUAN ANTONIO
NAVAS GUZMAN, FRANCISCO JESUS
LYAMANI, HASSAN
VALENZUELA GUTIERREZ, ANTONIO
OLMO REYES, FRANCISCO JOSE
GRANADOS MUÑOZ, MARÍA JOSÉ



- 2015 Conferencias impartidas: Matemáticas para el apocalipsis, XI Semana de la Ciencia y la Tecnología - 2015 , 09/02/- 2015 , Murcia (España), Congreso
QUIRANTES SIERRA, ARTURO GABRIEL
- 2015 Poster en Congreso: DESARROLLO DE MAGNETOLIPOSOMAS COMO PLATAFORMAS PARA EL TRANSPORTE DE AGENTES TERAPEUTICOS, XII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE FARMACIA INDUSTRIAL Y GALÉNICA, 26/01/- 2015 , . BARCELONA, , ESPAÑA, Congreso
DELGADO MORA, ANGEL VICENTE
- 2015 Poster en Congreso: OPTIMIZACIÓN DEL PROCESO DE ESTABILIZACIÓN PARA NANOPARTÍCULAS DE, XII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE FARMACIA INDUSTRIAL Y GALÉNICA, 26/01/- 2015 , . BARCELONA, , ESPAÑA, Congreso
DELGADO MORA, ANGEL VICENTE
- 2015 Poster en Congreso: FORMULACIÓN DE MAGNETOFECTINAS CON APLICACIÓN EN TERAPIA GÉNICA, XII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE FARMACIA INDUSTRIAL Y GALÉNICA, 26/01/- 2015 , . BARCELONA, , ESPAÑA, Congreso
DELGADO MORA, ANGEL VICENTE
- 2015 Poster en Congreso: Unmasking the effect of a precipitation pulse on the biological processes composing Net Ecosystem Carbon Exchange, European Geosciences Union (EGU), General Assembly - 2015 , 12/04/- 2015 , Austria, Viena, Congreso
PEREZ SANCHEZ-CAÑETE, ENRIQUE
SERRANO ORTIZ, PENELOPE
KOWALSKI , ANDREW STEPHEN
PÉREZ PRIEGO, OSCAR
- 2015 Poster en Congreso: CO2 and CH4 exchange by Phragmites australis under different climates, European Geosciences Union (EGU), General Assembly - 2015 , 12/04/- 2015 , Austria, Viena, Congreso
PEREZ SANCHEZ-CAÑETE, ENRIQUE
KOWALSKI , ANDREW STEPHEN
SERRANO ORTIZ, PENELOPE
- 2015 Poster en Congreso: Interannual variability of Net Ecosystem CO2 Exchange and its component fluxes in a subalpine Mediterranean ecosystem (SE Spain), European Geosciences Union (EGU), General Assembly - 2015 , 12/04/- 2015 , Austria, Viena, Congreso
PEREZ SANCHEZ-CAÑETE, ENRIQUE
PÉREZ PRIEGO, OSCAR
KOWALSKI , ANDREW STEPHEN
SERRANO ORTIZ, PENELOPE
- 2015 Poster en Congreso: Spatiotemporal patterns of soil CO2 efflux in drylands are modulated by the type of cover: The role of biocrusts, European Geosciences Union (EGU), General Assembly - 2015 , 12/04/- 2015 , Austria, Viena, Congreso
PEREZ SANCHEZ-CAÑETE, ENRIQUE
- 2015 Poster en Congreso: Vertical and horizontal soil CO2 transport and its exchanges with the atmosphere, European Geosciences Union (EGU), General Assembly - 2015 , 12/04/- 2015 , Austria, Viena, Congreso
SERRANO ORTIZ, PENELOPE
KOWALSKI , ANDREW STEPHEN
PEREZ SANCHEZ-CAÑETE, ENRIQUE
- 2015 Comunicación en congreso: Generating a novel magnetic bioartificial human oral mucosa stroma by tissue engineering, Advanced Functional Polymers for Medicine, 23/03/- 2015 , GALWAY (IRELAND), Congreso
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2015 Poster en Congreso: Interannual variability of carbon and water balances in Mediterranean grassland ecosystems (Almería, SE Iberian Peninsula), 4º Congreso Ibérico de Ecología, 16/06/- 2015 , Universidad de Coimbra - Portugal, Congreso
PEREZ SANCHEZ-CAÑETE, ENRIQUE
KOWALSKI , ANDREW STEPHEN
SERRANO ORTIZ, PENELOPE
- 2015 Poster en Congreso: Dynamics of CO2 behavior within different vadose zone layers of a karstic ecosystem: production, transport and exchange with the atmosphere, 4º Congreso Ibérico de Ecología, 16/06/- 2015 , Universidad de Coimbra - Portugal, Congreso
KOWALSKI , ANDREW STEPHEN
PEREZ SANCHEZ-CAÑETE, ENRIQUE
SERRANO ORTIZ, PENELOPE
PÉREZ PRIEGO, OSCAR
- 2015 Comunicación en congreso: Angular correction for the TSI 3563 integrating nephelometer: results from observed size distribution and Mie and T-matrix codes, 3rd Iberian Meeting on Aerosol Science and Technology, 29/06/- 2015 , Elche (España), Congreso
ALADOS ARBOLEDAS, LUCAS



QUIRANTES SIERRA, ARTURO GABRIEL

- 2015 Comunicación en congreso: Polar Stratospheric Clouds observations over the Antarctic Belgrano II station based on Polarized-Micro Pulse Lidar (P-MPL) measurements, SPARC Regional Workshop on the Role of the Stratosphere in Climate Variability and Prediction, 12/01/- 2015 , GUERRERO RASCADO, JUAN LUIS

CÓRDOBA JABONERO, CARMEN

- 2015 Comunicación en congreso: Ground-based lidar stratospheric aerosols measurements: Rescuing and maintaining an important complement of space-borne measurements, SPARC Regional Workshop on the Role of the Stratosphere in Climate Variability and Prediction, 12/01/- 2015 , GUERRERO RASCADO, JUAN LUIS

- 2015 Comunicación en congreso: Aerosol particles in the UT-LS from the summer 2011 Nabro¿s eruption over Spain and Portugal, SPARC Regional Workshop on the Role of the Stratosphere in Climate Variability and Prediction, 12/01/- 2015 , Granada, Congreso

BRAVO ARANDA, JUAN ANTONIO

ALADOS ARBOLEDAS, LUCAS

GRANADOS MUÑOZ, MARÍA JOSÉ

CÓRDOBA JABONERO, CARMEN

GUERRERO RASCADO, JUAN LUIS

NAVAS GUZMAN, FRANCISCO JESUS

- 2015 Comunicación en congreso: First detection of stratospheric particles by lidar at the LALINET Medellín-Colombia station, SPARC Regional Workshop on the Role of the Stratosphere in Climate Variability and Prediction, 12/01/- 2015 , Granada, Congreso

ALADOS ARBOLEDAS, LUCAS

GUERRERO RASCADO, JUAN LUIS

- 2015 Comunicación en congreso: Recent advances in the Cubatão Scanning Lidar to Monitor Industrial Flares, VIII Workshop on Lidar Measurements in Latin America, 06/04/- 2015 , , Congreso

GUERRERO RASCADO, JUAN LUIS

ALADOS ARBOLEDAS, LUCAS

- 2015 Comunicación en congreso: Saharan dust event over Colombia detected in the LALINET Lidar Observatory Atmosphere-LOA-UNAL, VIII Workshop on Lidar Measurements in Latin America, 06/04/- 2015 , , Congreso

GUERRERO RASCADO, JUAN LUIS

- 2015 Comunicación en congreso: Observation and characterization of the transcontinental aerosol transportation from Africa to South America Continent ¿ Introducing a new Lidar system to Latin American Lidar Network ¿ LALINET, VIII Workshop on Lidar Measurements in Latin America, 06/04/- 2015 , , Congreso

GUERRERO RASCADO, JUAN LUIS

ALADOS ARBOLEDAS, LUCAS

- 2015 Comunicación en congreso: First attempt to assess aerosol-cloud interaction by elastic lidar at the EARLINET Granada station, VIII Workshop on Lidar Measurements in Latin America, 06/04/- 2015 , , Congreso

GUERRERO RASCADO, JUAN LUIS

BRAVO ARANDA, JUAN ANTONIO

GRANADOS MUÑOZ, MARÍA JOSÉ

ALADOS ARBOLEDAS, LUCAS

- 2015 Comunicación en congreso: On the meteorological scenarios and main air mass paths at the LALINET Natal station (Northeastern Brazil), VIII Workshop on Lidar Measurements in Latin America, 06/04/- 2015 , , Congreso

GUERRERO RASCADO, JUAN LUIS

ALADOS ARBOLEDAS, LUCAS

- 2015 Comunicación en congreso: On the instrumental characterization of a 3-¿ scanning lidar to monitor industrial flames and its application for retrieving optical and microphysical properties, European Geosciences Union - 2015 , 12/04/- 2015 , Viena, Austria, Congreso

ALADOS ARBOLEDAS, LUCAS

GUERRERO RASCADO, JUAN LUIS

- 2015 Comunicación en congreso: Statistical characterization of meteorology at Natal, Northeastern Brazil, 3rd Iberian Meeting on Aerosol Science and Technology, 29/06/- 2015 , Elche (España),

GUERRERO RASCADO, JUAN LUIS

ALADOS ARBOLEDAS, LUCAS

- 2015 Comunicación en congreso: Strong Saharan dust event detected at Lalinet LOA-UNAL station over Medellín, Colombia, by active and passive remote sensing, 27th Internacional Laser Radar Conference, 06/07/- 2015 , - NEW YORK - ESTADOS UNIDOS, EEUU, Congreso

GUERRERO RASCADO, JUAN LUIS

- 2015 Comunicación en congreso: ALINE/LALINET network status, 27th Internacional Laser Radar Conference, 06/07/- 2015 , - NEW YORK - ESTADOS UNIDOS, EEUU, Congreso



- GUERRERO RASCADO, JUAN LUIS
ALADOS ARBOLEDAS, LUCAS
- 2015 Comunicación en congreso: Characterizing particle hygroscopic growth by lidar and microwave radiometry in an urban area, 27th Internacional Laser Radar Conference, 06/07/- 2015 , - NEW YORK
- ESTADOS UNIDOS, EEUU, Congreso
- VALENZUELA GUTIERREZ, ANTONIO
GUERRERO RASCADO, JUAN LUIS
GRANADOS MUÑOZ, MARÍA JOSÉ
NAVAS GUZMAN, FRANCISCO JESUS
LYAMANI , HASSAN
TITOS VELA, GLORIA
CAZORLA CABRERA, ALBERTO
OLMO REYES, FRANCISCO JOSE
ALADOS ARBOLEDAS, LUCAS
BRAVO ARANDA, JUAN ANTONIO
- 2015 Comunicación en congreso: Aerosol cloud interaction: a multiplatform-scenario-based methodology, SPIE Europe Remote Sensing - 2015 , 21/09/- 2015 , Toulouse, Francia, Congreso
- GUERRERO RASCADO, JUAN LUIS
ALADOS ARBOLEDAS, LUCAS
- 2015 Comunicación en congreso: Monitoring of a long-range transported smoke event over southern Spain, 3rd Iberian Meeting on Aerosol Science and Technology, 29/06/- 2015 , , Congreso
- GRANADOS MUÑOZ, MARÍA JOSÉ
ALADOS ARBOLEDAS, LUCAS
GUERRERO RASCADO, JUAN LUIS
CAZORLA CABRERA, ALBERTO
- 2015 Comunicación en congreso: Wavelet processing of acoustic emission signals coming from seismic damage in reinforced concrete, The 6th International Conference. Stochastic and Physical Monitoring Systems, 22/06/- 2015 , Drhleny, Czech Republic, Congreso
- SAGASTA MORENO, FRANCISCO ANTONIO
- 2015 Ponencia en Congreso: Interfacial activity and contact angle study of PMMA homogeneous, silica functionalized and silver Janus nanoparticles at the water/decane interface, 6th International Workshop on Bubble and Drop Interfaces, 06/07/- 2015 , GOLM, POSTDAM; ALEMANIA, Congreso
- FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
HIDALGO ALVAREZ, ROQUE
- 2015 Ponencia en Congreso: Enhanced interfacial activity of Janus gold nanoparticles with shorter hydrophilic capping ligand, Smart and green interfaces: Fundamentals and diagnostics, 29/10/- 2015 , SOFÍA (BULGARIA), Congreso
- FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
HIDALGO ALVAREZ, ROQUE
CABRERIZO VÍLCHEZ, MIGUEL ANGEL
RODRÍGUEZ VALVERDE, MIGUEL ANGEL
- 2015 Ponencia en Congreso: 2D phase diagram of soft core-shell particles at fluid interfaces, Smart and green interfaces: Fundamentals and diagnostics, 29/10/- 2015 , SOFÍA (BULGARIA), Congreso
- FERNANDEZ RODRIGUEZ, MIGUEL ANGEL
- 2015 Poster en Congreso: Polyelectrolyte Complexes of Low Molecular Weight PEI and Citric Acid as Efficient Biodegradable Gene Vectors, XXXVIII Congreso SEBBM, 07/09/- 2015 , Valencia. España, Congreso
- JÓDAR REYES, ANA BELÉN
- 2015 Comunicación en congreso: The evaluation problem in discrete semi-hidden Markov models, 6th International Conference On Approximation Methods And Numerical Modelling In Environment And Natural Resources (- 2015 , Pau, France). Pau, Francia., 01/06/- 2015 , Pau (France), Congreso
- ROMAN ROLDAN, RAMON
- 2015 Comunicación en congreso: The evaluation problem in discrete semi-hidden Markov models, PROCEEDINGS OF THE 6th INTERNATIONAL CONFERENCE ON APPROXIMATION METHODS AND NUMERICAL MODELLING IN ENVIRONMENT AND NATURAL RESOURCES, 01/06/- 2015 , Pau (France), Congreso
- ROMAN GALVEZ, RAMON
GOMEZ LOPERA, JUAN FRANCISCO
ROMAN ROLDAN, RAMON
- 2015 Comunicación en congreso: The Shannon entropy as an image edge detector by means of gray-level histogram clustering, 6th INTERNATIONAL CONFERENCE ON APPROXIMATION METHODS AND NUMERICAL MODELLING, 01/06/- 2015 , , Congreso
- GOMEZ LOPERA, JUAN FRANCISCO



- 2015 Comunicación en congreso: Radar Target Discrimination by S-Pulse Using Exponential B-Splines, 15th Mediterranean Microwave Symposium, 30/11/- 2015 , LECCE, ITALIA, Congreso
BLANCO NAVARRO, DAVID
- 2015 Comunicación en congreso: Contribution of representative ground covers of semiarid ecosystems to soil CO₂ efflux, Ecology at the Interface: Science-based solutions for human well being, 21/09/- 2015 , - Roma, Italia, Congreso
PEREZ SANCHEZ-CAÑETE, ENRIQUE
- 2015 Comunicación en congreso: Assessment of carbon sequestration in olive orchards using eddy covariance techniques ζ with and without weed cover, Ecology at the Interface: Science-based solutions for human well being, 21/09/- 2015 , - Roma, Italia, Congreso
SERRANO ORTIZ, PENELOPE
PEREZ SANCHEZ-CAÑETE, ENRIQUE
- 2015 Comunicación en congreso: Analyzing pulse-dynamics of CO₂ fluxes on biocrusts, Ecology at the Interface: Science-based solutions for human well being, 21/09/- 2015 , - Roma, Italia, Congreso
PEREZ SANCHEZ-CAÑETE, ENRIQUE
- 2015 Comunicación en congreso: THE ROLE OF MOLECULAR STRUCTURE IN THE INTERACTION BETWEEN MASLINIC ACID DERIVATIVES AND ALBUMIN, XV congress of the Spanish Biophysical Society, 10/06/- 2015 , FACULTAD DE CIENCIAS, UNIVERSIDAD DE GRANADA, Congreso
GALISTEO GONZÁLEZ, FRANCISCO
- 2015 Poster en Congreso: Influence of the hydrophobic moieties of Poly(amidoamine)s on the condensation process and on the morphology of polymer/plasmid DNA complexes, XV congress of the Spanish Biophysical Society, 10/06/- 2015 , , Exposición
MARTÍN RODRÍGUEZ, ANTONIO
ORTEGA VINUESA, JUAN LUIS
MALDONADO VALDERRAMA, JULIA
RATA AGUILAR, AZAHARA
- 2015 Poster en Congreso: Colloidal systems in bone regeneration. Is the size important?, 6th Iberian Meeting on Colloids and Interfaces, 08/07/- 2015 , Guimarães (PORTUGAL), Congreso
JÓDAR REYES, ANA BELÉN
RATA AGUILAR, AZAHARA
PEULA GARCIA, JOSE MANUEL
- 2015 Comunicación en congreso: Rheological characterization of artificial human fibrin tissues, 10th Annual European Rheology Conference, 14/04/- 2015 , , Congreso
GARCÍA LÓPEZ-DURÁN, JUAN DE DIOS
LÓPEZ LÓPEZ, MODESTO TORCUATO
RODRIGUEZ ARCO, LAURA
- 2015 Comunicación en congreso: Magnetorheological effects governed by orientational fluctuations, 10th Annual European Rheology Conference, 14/04/- 2015 , , Congreso
LÓPEZ LÓPEZ, MODESTO TORCUATO
RODRIGUEZ ARCO, LAURA
- 2015 Comunicación en congreso: Inverse magnetorheological fluids, 10th Annual European Rheology Conference, 14/04/- 2015 , , Congreso
LÓPEZ LÓPEZ, MODESTO TORCUATO
RODRIGUEZ ARCO, LAURA
GARCÍA LÓPEZ-DURÁN, JUAN DE DIOS
- 2015 Comunicación en taller de trabajo: Preparation and characterization of field-responsive hydrogels for biomedical applications, 3rd workshop on complex materials, 07/07/- 2015 , , Taller de trabajo
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2015 Conferencias impartidas: preparation and characterization of field-responsive hydrogels, Seminario Invitados Laboratorio MSC, Université Paris Diderot, Francia, 25/11/- 2015 , Paris,
LÓPEZ LÓPEZ, MODESTO TORCUATO
- 2015 Ponencia en Congreso: Ionic permeation inside microgel particles: when theory meets simulations, 6th Iberian Meeting on Colloids and Interfaces, 08/07/- 2015 , Guimarães (PORTUGAL),
MARTÍN MOLINA, ALBERTO
MONCHO JORDÁ, ARTURO
- 2015 Ponencia en Congreso: Magnetic suspensions as model colloidal materials, 6th Iberian Meeting on Colloids and Interfaces, 08/07/- 2015 , BRAGA-GUIMARAES, PORTUGAL, Congreso
RUIZ LÓPEZ, JOSÉ ANTONIO
SEGOVIA GUTIERREZ, JUAN PABLO
VEREDA MORATILLA, FERNANDO
HIDALGO ALVAREZ, ROQUE
DE VICENTE ALVAREZ-MANZANEDA, JUAN
- 2015 Ponencia en Congreso: Natural Extracts Inhibiting the Lipolysis using a single drop method, XIV Congress of the Spanish Biophysical Society (SBE - 2015), 08/07/- 2015 , Granada (España),
GÁLVEZ RUIZ, MARÍA JOSÉ



- 2015 Ponencia en Congreso: Interfacial behavior of natural products inhibiting lipolysis, 6th Iberian Meeting on Colloids and Interfaces, 08/07/- 2015 , GUIMARAES (PORTUGAL), Congreso
GÁLVEZ RUIZ, MARÍA JOSÉ
- 2015 Comunicación en congreso: Investigation of natural products inhibiting lipolysis with interfacial tension, Delivery of Funtionalty in Complex Food System, 14/07/- 2015 , PARÍS, Francia, Congreso
GÁLVEZ RUIZ, MARÍA JOSÉ
- 2015 Comunicación en congreso: Impact of surface tension on in vitro digestibility of food preservatives, 29th EFFoST International Conference, 10/11/- 2015 , ATHENS - GREECE, Congreso
GÁLVEZ RUIZ, MARÍA JOSÉ
- 2015 Conferencias impartidas: He terminado mi carrera y ¿ahora qué?, I Jornadas "De lo Académico a a Empresa", 05/11/- 2015 , Facultad de Física, Universidad de Sevilla, Congreso
VIDA MANZANO, JERONIMO
- 2015 Conferencias impartidas: El ruido como agente contaminante en la sociedad del siglo XXI, Formación complementaria para Ciclos Formativos de Grado Superior en el IES Aynadamar Granada, 26/01/- 2015 , , Congreso
VIDA MANZANO, JERONIMO
- 2015 Conferencias impartidas: Acciones contra el Ruido en Granada, GREENCITIES&SOSTENIBILIDAD CONAMA LOCAL - 2015 MÁLAGA, 07/10/- 2015 , PALACIO DE FERIAS Y CONGRESOS DE MÁLAGA, Congreso
VIDA MANZANO, JERONIMO
- 2015 Poster en Congreso: Interactions of Allergenic Proteins and Big Hydrophobic Ions, XV congress of the Spanish Biophysical Society, 10/06/- 2015 , FACULTAD DE CIENCIAS, UNIVERSIDAD DE GRANADA, Congreso
PÉREZ FUENTES, LEONOR
- 2015 Ponencia en Congreso: Protein Behavior in Presence of Big Hydrophobic Ions, 6th Iberian Meeting on Colloids and Interfaces. Guimaraes, Portugal., 08/07/- 2015 , Guimaraes, Portugal.,
PÉREZ FUENTES, LEONOR
- 2015 Poster en Congreso: Comparison of Protein Physical Properties by their Interactions with Big Hydrophobic Ions, 29th Conference of European Colloid and Interface Society, 06/09/- 2015 , Bordeaux, France, Congreso
PÉREZ FUENTES, LEONOR
- 2015 Ponencia en Congreso: Anions Make the Difference: Insights from the Interaction of Big Anions and Cations with PNIPAM Interfaces, 29th Conference of European Colloid and Interface Society, 06/09/- 2015 , Bordeaux, France, Congreso
PÉREZ FUENTES, LEONOR