

DEPARTAMENTO DE CIENCIA E
INGENIERIA DE MATERIALES E
INGENIERIA QUIMICA

**DEPARTAMENTO DE CIENCIA E INGENIERIA DE
MATERIALES E INGENIERIA QUIMICA**

Actividades de investigación

Tesis Doctorales

- Effect of microstructure on mechanical properties of ni -based superalloys
Autores: RAHIMIAN, M.
Director/Codirectores: ILCHAT, S.; MILENKOVIC, S.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2015

- Electrolytes polymères à base de liquides ioniques pour batteries au lithium
Autores: PRIEW, E.
Director/Codirectores: SANCHEZ, J.Y.; CRISTINA, I.
Universidad: UNIVERSIDAD GRENOBLE ALPES
Año: 2015

- Estudio de termofluencia en plomo-bismuto líquido de aceros ferrítico-martensíticos mediante el uso de probetas miniatura.
Autores: HERNÁNDEZ, R.
Director/Codirectores: CAMPOS, M.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2015

- Mechanical Properties of Advanced High-Strength Steels produced Via Quenching and Partitioning
Autores: DE DIEGO, M.I.
Director/Codirectores: MOLINA, J.M.; ILCHAT, S.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2015

- Nanomateriales de carbono, síntesis, funcionalización y aplicaciones.
Autores: GONZALEZ, V.J.
Director/Codirectores: BASELGA, J. ; MARTIN, O.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2015

- Nouvelles énérations d'electrolyte pour batterie lithium polymère
Autores: AMADOU, T.
Director/Codirectores: SANCHEZ, J.Y.; JEAN-CLAUDE, L.; CRISTINA, I.
Universidad: UNIVERSIDAD GRENOBLE ALPES
Año: 2015

- Nouvelles membranes à squelette haute performance pour les piles à combustible PEMFC
Autores: OLENT, D.
Director/Codirectores: SANCHEZ, J.Y.; CRISTINA, I.
Universidad: UNIVERSIDAD GRENOBLE ALPES
Año: 2015

- Nuevas formulaciones de materiales híbridos basados en epoxi y poliaminosiloxanos modificados con acrilonitrilo.
Autores: LOAYZA, A.
Director/Codirectores: BASELGA, J. ; CABANELAS, J. C.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2015

- Nuevos materiales nanocompuestos con propiedades electricas especiales y desarrollo de nuevos métodos de caracterizacion nano-piezodeformacion y nano-termodeformacion
Autores: SANCHEZ, F.A.
Director/Codirectores: GONZÁLEZ-BENITO, J.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2015

- Processing and characterization of novel biodegradable and bioresorbable pla/mg composites for ostosynthesis.
Autores: CIFUENTES, S.C.
Director/Codirectores: GORDO, E.; GONZÁLEZ, J.L.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2015

- Propiedades y comportamiento mecánico de nanocomposites de polisulfona - Alúmina biocompatible
Autores: ANAYA, S.
Director/Codirectores: BASELGA, J. ; SERRANO, B.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2015

- Síntesis y caracterización de membranas protónicas híbridas para su aplicación en pilas de combustible poliméricas.
Autores: MARTOS, A.M.
Director/Codirectores: VAREZ, A.; LEVENFELD, B.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2015

Publicaciones y actividades de difusión de resultados

Publicaciones en revistas científicas nacionales

- ABAJO, C.; JIMENEZ, A.; TORRALBA, J.M.
New processing route for ZrSiO₄ by powder injection moulding using an eco-friendly binder system, *Boletín de la Sociedad Española de Cerámica y Vidrio*, Vol. 54, Núm. 3, 2015, pp. 93-100, ESPAÑA.

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Actividades de formación y movilidad de personal investigador

Estancias en otros centros

- ALICIA PAEZ PAVON
Título: Estancia pre-doctoral en HES-SO Valais Wallis (Suiza)
Centro Externo: Hes-SO Valais Wallis (Suiza)
País: SUIZA
Duración: 08/01/2015 a 08/03/2015.
- AMAYA GARCIA CASAS
Título: Estudio electroquímico-bioactividad en materiales base titanio con recubrimiento sol-gel
Supervisor: Prof. Digby D. Macdonald Estancia pre-doctoral
Centro Externo: Universidad de California. Department of Materials Science and Engineering
País: ESTADOS UNIDOS DE AMERICA
Duración: 20/09/2015 a 22/12/2015.
- BEATRIZ VELASCO NUÑEZ
Título: Caracterización de propiedades físicas y funcionales de espumas de fases MAX Estancia pre-doctoral Supervisor: Thomas Welbgärber
Centro Externo: Fraunhofer IFAM
País: ALEMANIA
Duración: 01/10/2015 a 07/12/2015.
- FRANCISCO JAVIER GONZALEZ BENITO
Título: Single Cell Force Spectroscopy for Adhesive Interactions of Cells and Thermoplastic Nanocomposites
Centro Externo: National Institute of Standards and Technology
País: ESTADOS UNIDOS DE AMERICA
Duración: 01/07/2015 a 01/09/2015.

- **GLEIDYS MONRRABAL MARQUEZ**
Título: Estancia de investigación
Centro Externo: UNIVERSITY OF BIRMINGHAM. THE CENTRE FOR FORMULATION ENGINEERING SCHOOL OF CHEMICAL ENGINEERING
País: REINO UNIDO
Duración: 26/10/2015 a 04/12/2015.

- **JANIRE PEÑA BAHAMONDE**
Título: Estudio de la biocompatibilidad de nanocomposites. Supervisor: Debora F. Rodrigues
Centro Externo: Universidad de Houston
País: ESTADOS UNIDOS DE AMERICA
Duración: 01/01/2015 a 31/03/2015.

- **JESUS SALAS MARTINEZ**
Título: Estancia de dos semanas en el Laboratoire de Physique Théorique, École Normale Supérieure
Centro Externo: Université Pierre et Marie Curie
País: FRANCIA
Duración: 01/11/2015 a 15/11/2015.

- **JULIA MARIA UREÑA ALCAZAR**
Título: Estudio de tribocorrosión y caracterización de aleaciones de titanio pulvimetárgicas Estancia pre-doctoral Supervisor: Fatih Toptan
Centro Externo: University of Minho. Mechanical & Materials Technologies Centre (CT2M)
País: PORTUGAL
Duración: 07/10/2015 a 07/12/2015.

- **LUIS FRANCISCO LOPEZ BONILLA**
Título: Visita de investigación financiada por proyecto europeo NILS Science and Sustainability 003-ABEL-IM-2013 para colaborar con el Prof. Bjorn Birnir
Centro Externo: University of Iceland.
País: ISLANDIA
Duración: 01/07/2015 a 31/07/2015.

- **LUIS FRANCISCO LOPEZ BONILLA**
Título: Visita al Departamento de Matemáticas "Federico Enriques" de la Università Degli Studi Di Milano, para colaborar con investigadores de dicho Departamento (Alessandra Micheletti, Daniela Morale) en proyectos de investigación relacionados con el proyecto IFS2011-28838-C02-01
Centro Externo: Università Degli Studi Di Milano. Departamento de Matemáticas "Federico Enriques"
País: ITALIA
Duración: 09/12/2015 a 11/12/2015.

- **MIGUEL ANGEL MOSCOSO CASTRO**
Título: Estancia en el Departamento de Matemáticas de la Universidad de Stanford
Centro Externo: UNIVERSIDAD DE STANFORD
País: ESTADOS UNIDOS DE AMERICA
Duración: 01/07/2015 a 31/08/2015.

- **MIGUEL DE DIOS PEREZ**
Título: Estancia predoctoral para el desarrollo de técnicas bottom-up en el diseño ad-hoc de partículas cerámicas tipo core-shell Supervisor: Dr. Ulrich Wiesner
Centro Externo: CORNELL UNIVERSITY. MATERIALS SCIENCE DEPARTMENT
País: ESTADOS UNIDOS DE AMERICA
Duración: 26/05/2015 a 14/08/2015.

- **MIGUEL RUIZ GARCIA**
Título: Estancia de investigación predoctoral en la University of Iceland. Advisor: Prof. Bjorn Birnir
Centro Externo: University of Iceland.
País: ISLANDIA
Duración: 01/07/2015 a 31/07/2015.

- **MIGUEL RUIZ GARCIA**
Título: Estancia de investigación predoctoral en la University of California, Santa Bárbara. Advisor: Prof. Bjorn Birnir
Centro Externo: University of California
País: ESTADOS UNIDOS DE AMERICA
Duración: 01/09/2015 a 31/12/2015.

- **MIGUEL RUIZ GARCIA**
Título: Estancia de investigación predoctoral en École Normale Supérieure Advisor: Prof. Pierre Le Doussal
Centro Externo: École Normale Supérieure
País: FRANCIA
Duración: 01/06/2015 a 31/07/2015.