



Juan Cruz Larrasoña Gorosquieta

Generated from: Editor CVN de FECYT

Date of document: 24/06/2022

v 1.4.3

b2766f69930ef9841977ecca1de268d2

This electronic file (PDF) has embedded CVN technology (CVN-XML). The CVN technology of this file allows you to export and import curricular data from and to any compatible data base. List of adapted databases available at: <http://cvn.fecyt.es/>



Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Juan C. Larrasoña obtained his bachelor of Science in Earth Sciences at the University of Barcelona in 1995, and obtained a PhD in Earth Sciences at the University of Zaragoza in 2000. He completed post-doctoral research at the Southampton Oceanography Centre in the UK (2000-2002) and at the Institute of Earth Sciences Jaume Almera-CSIC in Barcelona (2003). He was awarded in 2004 with a “Ramón y Cajal” tenure-track contract of the Spanish MEC, that he developed at the University of Zaragoza before moving to the IES Jaume Almera-CSIC. In 2009, he joined the IGME (now CN IGME, CSIC), where he develops his work as a permanent research scientist. In addition to this academic experience, Juan C. Larrasoña has enjoyed several research stages at well-known international research institutions such as the universities of Munich (Germany), Leoben (Austria), Michigan (USA), Haifa (Israel), the Australian National University (Australia), and research centres such as the Institute of Geology and Geophysics (Beijing, China), Academia Sinica (Taiwan), and the Institute for Rock Magnetism (Minneapolis, USA). As a result of his career, Juan C. Larrasoña has published 81 SCI papers, 9 book chapters and 1 book (in Spanish, translated to English and French), 7 technical reports and 25 additional publications, and has contributed to around 135 presentations in scientific meetings, 15 of them as invited talks. He is Associate Editor in the section of Geo & Paleomagnetism for *Frontiers in Earth Science* and *Frontiers in Astronomy and Space Sciences* since 2015 (<https://loop.frontiersin.org/people/91936/editorial>), and also serves as reviewer of research papers in several leading journals within the field of Earth Sciences, as regular member on PhD. panels, and as reviewer for funding agencies such as the ANEP, ANECA, MINECO and MICIN (Spain), NSF (USA), BISF (Israel-USA), ANR (France), NWO (Netherlands) and the EPOS Program (European Union).

Juan C. Larrasoña has made relevant contributions to different topics of the Earth Sciences, such as: 1) application of paleomagnetic and magnetic fabric techniques to study the geometry and evolution of fold-and-thrust belts and foreland basins; 2) early diagenetic alteration of magnetic minerals and its paleomagnetic and environmental implications; 3) environmental magnetic records of climate change; 4) paleoenvironmental and paleomagnetic implications of biogenic magnetite; 5) magnetic properties of atmospheric dust (specially from the Sahara) and their paleoclimatic implications; 6) climate variability in Africa and Arabia and its implications on human evolution; and 7) methodological development of environmental magnetic techniques.

As a staff scientist at the CN IGME, he continues developing his research in these fields and new emerging areas from a multidisciplinary perspective. He is now a Visiting Scientist at the UPNA in Pamplona, serves at the University of Zaragoza as an External Collaborator, and has been qualified with the I3 Program of the ANEP and as a Profesor Contratado Doctor of the ANECA. He has been also qualified with three six-year research periods (1996-2003, 2005-2010, 2011-2016) by the CNEAI and by three five-year transfer periods (1996-2003, 2008-2012, 2013-2017) by the CEDACT. This scientific output has unfolded in the context of the illness and death of his spouse between October 2013 and May 2014, a circumstance that left him as a single parent of two small children until recently, when he has rebuilt his life and had a third child.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Publications: 83 (Source: WOS, Clarivate Analytics; Author Identifier: O-1350-2013)

Times cited: 3593 (3403 excluding self-citations)

Times cited per year (last 5 years): 346 (2017-2021 average)

Q1 publications: 55 (67.9%)

H index: 32

Median citation percentile: 73

Participation in research projects amounting 2.52 M€ (0.32 M€ as PI)

Three PhD co-supervised (two of them in progress)

Two JAE-Doc postdoctoral projects supervised

Two TFM + one TFG supervised

Qualified with the I3 Program by the ANEP and as Profesor Contratado Doctor by the ANECA

Qualified with three six-year research periods (1996-2003, 2005-2010 and 2011-2016) by the CNEAI

Qualified with three five-year research periods (1996-2003, 2008-2012 and 2013-2017) by the CEDACT



Juan Cruz Larrasoña Gorosquieta

Surname(s): **Larrasoña Gorosquieta**
 Name: **Juan Cruz**
 ORCID: **0000-0003-4568-631X**
 ScopusID: **6603049826**
 ResearcherID: **O-1350-2013**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Department: Centro Nacional IGME

Professional category: Científico Titular de los OPIS

Start date: 30/10/2009

Type of contract: Civil servant

Dedication regime: Full time

Primary (UNESCO code): 250000 - Earth and space sciences

Performed tasks: Research

Identify key words: Geology

Employing entity: University of Zaragoza **Type of entity:** University

Professional category: Colaborador extraordinario

Start date: 01/09/2006

Type of contract: Colaborator

Dedication regime: Full time

Primary (UNESCO code): 250000 - Earth and space sciences

Performed tasks: Teaching

Identify key words: Geology

Previous positions and activities

	Employing entity	Professional category	Start date
1	The Australian National University	Visiting Fellow (MICINN)	01/03/2012
2	Instituto de Ciencias de la Tierra Jaime Almera, CSIC	Programa Ramón y Cajal (T.S. con Grado de Doctor)	01/03/2007
3	Universidad de Zaragoza	Programa Ramón y Cajal (Contrato para la Incorporación al Sistema Español de Ciencia y Tecnología)	01/12/2004
4	Instituto de Ciencias de la Tierra Jaime Almera, CSIC	Postdoctoral researcher (Navarra Government)	01/01/2003
5	Southampton Oceanography Centre, University of Southampton	Research Fellow (European Union TMR Network)	01/02/2001
6	Southampton Oceanography Centre, University of Southampton	Research Assistant (European Union TMR Network)	01/04/2000
7			01/10/1995



	Employing entity	Professional category	Start date
	Instituto de Ciencias de la Tierra Jaume Almera	Predoctoral researcher (Navarra Government)	

- 1** **Employing entity:** The Australian National University
Professional category: Visiting Fellow (MICINN)
Start-End date: 01/03/2012 - 31/08/2012 **Duration:** 6 months
Type of entity: University
- 2** **Employing entity:** Instituto de Ciencias de la Tierra Jaume Almera, CSIC
Professional category: Programa Ramón y Cajal (T.S. con Grado de Doctor)
Start-End date: 01/03/2007 - 29/10/2009 **Duration:** 2 years - 8 months
- 3** **Employing entity:** Universidad de Zaragoza
Professional category: Programa Ramón y Cajal (Contrato para la Incorporación al Sistema Español de Ciencia y Tecnología)
Start-End date: 01/12/2004 - 28/02/2007 **Duration:** 2 years - 3 months
Type of entity: University
- 4** **Employing entity:** Instituto de Ciencias de la Tierra Jaume Almera, CSIC
Professional category: Postdoctoral researcher (Navarra Government)
Start-End date: 01/01/2003 - 31/12/2003 **Duration:** 1 year
- 5** **Employing entity:** Southampton Oceanography Centre, University of Southampton
Professional category: Research Fellow (European Union TMR Network)
Start-End date: 01/02/2001 - 30/09/2002 **Duration:** 20 months
Type of entity: R&D Centre
- 6** **Employing entity:** Southampton Oceanography Centre, University of Southampton
Professional category: Research Assistant (European Union TMR Network)
Start-End date: 01/04/2000 - 31/01/2001 **Duration:** 10 months
Type of entity: R&D Centre
- 7** **Employing entity:** Instituto de Ciencias de la Tierra Jaume Almera
Professional category: Predoctoral researcher (Navarra Government)
Start-End date: 01/10/1995 - 30/09/1998 **Duration:** 3 years
Type of entity: State agency



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1** **University degree:** Doctorate
Name of qualification: Profesor Contratado Doctor
Degree awarding entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA
Date of qualification: 2018
- 2** **Name of qualification:** Trayectoria investigadora destacada-Programa I3
Degree awarding entity: ANEP
Date of qualification: 2009
- 3** **University degree:** Middle degree
Name of qualification: Suficiencia Investigadora (equiv. Diploma Estudios Avanzados)
Degree awarding entity: Universidad de Zaragoza **Type of entity:** University
Date of qualification: 11/1999
- 4** **University degree:** Higher degree
Name of qualification: Licenciado en Ciencias Geológicas
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
Date of qualification: 07/1995

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Geología
Degree awarding entity: Universidad de Zaragoza **Type of entity:** University
Date of degree: 06/10/2000

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C2	C2	C2	C2	C2



Teaching experience

General teaching experience

- 1 Name of the course:** Paleomagnetismo. Principios y Aplicaciones
University degree: MASTER de Iniciación a la Investigación en Geología
Start date: 01/09/2006 **End date:** 30/09/2014
Entity: Universidad de Zaragoza **Type of entity:** University
- 2 Name of the course:** Métodos y Técnicas en Geología
University degree: MASTER en Geología: Técnicas y Aplicaciones
Start date: 01/09/2014
Entity: Universidad de Zaragoza **Type of entity:** University

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** PhD Thesis
Entity: Universidad de Zaragoza
Student: Pablo Sierra Campos
Date of reading: 01/09/2025
- 2 Project title:** PhD Thesis
Entity: Universidad del País Vasco **Type of entity:** University
Student: Cristina Bravo Morante
Date of reading: 05/03/2022
- 3 Project title:** TFG
Entity: FUNDACION GENERAL DE LA UNIVERSIDAD AUTONOMA DE MADRID FUAM
Student: Valeria Arpuzzo Ortega
Date of reading: 30/06/2021
- 4 Project title:** PhD Thesis
Entity: Universidad del País Vasco **Type of entity:** University
Student: Oier Suárez Hernando
Date of reading: 23/06/2017
- 5 Project title:** TFM
Entity: Universidad de Zaragoza **Type of entity:** University
Student: Oier Suárez Hernando
Date of reading: 09/2012
- 6 Project title:** TFM
Entity: Universidad de Zaragoza **Type of entity:** University
Student: Violeta Borruel Abadía
Date of reading: 02/2012



Student tutorials

- 1 Name of the programme:** JAE-Doc postdoctoral contract - M. Gómez-Paccard
Entity: ICTJA, CSIC
Frequency of the activity: 1
- 2 Name of the programme:** JAE-Doc postdoctoral contract - R. Soto
Entity: ICTJA, CSIC
Frequency of the activity: 1

Other activities/achievements not included above

- 1 Description of the activity:** Organization and development of the "Geología de la provincia de Navarra 2020"
Organising entity: SOCIEDAD GEOLOGICA DE ESPAÑA
End date: 2021
- 2 Description of the activity:** Organization and development of the "Geología de la provincia de Navarra 2020"
Organising entity: SOCIEDAD GEOLOGICA DE ESPAÑA
End date: 2020
- 3 Description of the activity:** Organization and development of the "Geología de la provincia de Navarra 2019"
Organising entity: SOCIEDAD GEOLOGICA DE ESPAÑA
End date: 2019
- 4 Description of the activity:** Organizador de la Visita guiada al diapiro de Salinas de Oro "De la roca a la mesa"
Organising entity: Turismo Tierras de Irizar
End date: 2018
- 5 Description of the activity:** Organization and development of the "Geología de la provincia de Navarra 2017"
Organising entity: SOCIEDAD GEOLOGICA DE ESPAÑA
End date: 2017
- 6 Description of the activity:** Organizador de la Visita guiada al diapiro de Salinas de Oro "De la roca a la mesa"
Organising entity: Turismo Tierras de Irizar
End date: 2016
- 7 Description of the activity:** Organization and development of the "Geología de la provincia de Navarra 2016"
Organising entity: SOCIEDAD GEOLOGICA DE ESPAÑA
End date: 2016
- 8 Description of the activity:** Organization and development of the "Geología de la provincia de Navarra 2014"
Organising entity: SOCIEDAD GEOLOGICA DE ESPAÑA
End date: 2014
- 9 Description of the activity:** Organization and development of the "Geología de la provincia de Navarra 2013"
Organising entity: SOCIEDAD GEOLOGICA DE ESPAÑA
End date: 2013



- 10** **Description of the activity:** Organization and development of the "Geología de la provincia de Navarra 2011"
Organising entity: SOCIEDAD GEOLÓGICA DE ESPAÑA
End date: 2011
- 11** **Description of the activity:** Training in the course "Guía intérprete del Parque natural de las Bardenas Reales"
Organising entity: Junta de las Bardenas Reales de Navarra
End date: 2011

Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** Propiedades físicas y aplicaciones de materiales
Affiliation entity: Universidad Pública de Navarra
Start date: 2021
Type of entity: University
Duration: 2 years
- 2** **Name of the group:** Sedimentary record of paleoclimatic change
Affiliation entity: CN Instituto Geológico y Minero de España, CSIC
Start date: 2021
Duration: 4 years
- 3** **Name of the group:** Geología aplicada, GEOAP
Affiliation entity: Gobierno de Aragón
Start date: 2020
Type of entity: Regional agency
Duration: 3 years
- 4** **Name of the group:** Geología aplicada, GEOAP
Affiliation entity: Gobierno de Aragón
Start date: 2017
Type of entity: Regional Agency
Duration: 3 years
- 5** **Name of the group:** Geología aplicada y aguas subterráneas, GEAS
Affiliation entity: Gobierno de Aragón
Start date: 2014
Type of entity: State agency
Duration: 3 years
- 6** **Name of the group:** Hidrología subterránea, Acuífero
Affiliation entity: Gobierno de Aragón
Start date: 2010
Type of entity: Regional Agency
Duration: 3 years
- 7** **Name of the group:** Extinción y reconstrucción paleoambiental desde el Cretácico al Cuaternario
Affiliation entity: Gobierno de Aragón
Start date: 2007
Type of entity: Regional agency
Duration: 3 years



Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Contrato predoctoral, PRE2020-092425
Entity where project took place: Instituto Geológico y Minero de España **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI....): J. C. Larrasoaña
Nº of researchers: 3
Start-End date: 2021 - 2025
Total amount: 98.960 €
- 2** **Name of the project:** Cinética de las remagnetizaciones por enterramiento; una aproximación integrada en 4D (paleomagnetismo, geotermometría, geocronología), PID2019-104693GB-I00
Entity where project took place: Instituto Geológico y Minero de España **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI....): Juan Cruz Larrasoaña
Nº of researchers: 13
Funding entity or bodies: Ministerio de Ciencia e Innovación **Type of entity:** State Agency
Start-End date: 2020 - 2024
Total amount: 187.550 €
- 3** **Name of the project:** Red de Excelencia - Paleo/Geomagnetismo en Iberia, nuevos retos
Entity where project took place: Instituto Geológico y Minero de España **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI....): E. L. Pueyo
Nº of researchers: 86
Funding entity or bodies: Ministerio de economía y Competitividad **Type of entity:** State agency
Start-End date: 2018 - 2020
Total amount: 10.000 €
- 4** **Name of the project:** Deposición atmosférica en ambientes naturales y antropizados del noreste de España; caracterización geoquímico-magnética integrada
Entity where project took place: Instituto Geológico y Minero de España **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI....): Jorge Pey
Nº of researchers: 6
Funding entity or bodies: Ministerio de Economía y Competitividad **Type of entity:** State agency
Start-End date: 2016 - 2019
Total amount: 80.000 €



- 5** **Name of the project:** Aportes de polvo sahariano y black carbon en Pirineos y Sierra Nevada: ¿favorecen la pérdida nival prematura?
Entity where project took place: Instituto Geológico y Minero de España **Type of entity:** Public Research Body
Name principal investigator (PI, Co-PI....): Jorge Pey
Nº of researchers: 11
Funding entity or bodies: Fundación Biodiversidad **Type of entity:** Foundation
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 2017 - 2018
Total amount: 44.728,8 €
- 6** **Name of the project:** Impacto de la tectónica y el clima en el registro sedimentario de la cuenca del Guadalquivir
Entity where project took place: Instituto Geológico y Minero de España **Type of entity:** Public Research Body
City of entity: Spain
Name principal investigator (PI, Co-PI....): Pilar Mata
Nº of researchers: 9
Funding entity or bodies: Ministerio de Economía y Competitividad (CGL2012-30875)
Start-End date: 2013 - 2016
Total amount: 80.000 €
- 7** **Name of the project:** SAXA-Monitorización de desprendimiento de rocas y deslizamientos con interferometría SAR terrestre
Entity where project took place: Institut de Geomàtica **Type of entity:** Innovation and Technology Centres
City of entity: Castelldefels, Spain
Name principal investigator (PI, Co-PI....): Michelle Crosetto
Nº of researchers: 5
Funding entity or bodies: INTERREG IIIb-Comunidad de Trabajo de los Pirineos (Unión Europea)
Start-End date: 2011 - 2012
Total amount: 50.510 €
- 8** **Name of the project:** Bioeventos y correlación de alta resolución desde el Cretácico (Maastrichtense) al Terciario (Aquitaniense) basada en foraminíferos (MICROCRETEFO)
Entity where project took place: Universidad de Zaragoza **Type of entity:** University
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): Eustoquio Molina
Nº of researchers: 16
Funding entity or bodies: Ministerio de Ciencia y Tecnología, Programa nacional de biodiversidad, ciencias de la Tierra y cambio global (CGL2007-63724/BTE)
Start-End date: 2007 - 2012
Total amount: 200.000 €



- 9** **Name of the project:** Cronología de la deformación y variaciones climáticas en la región del Fars (Zagros, Irán)
Entity where project took place: Instituto de Ciencias de la Tierra Jaume Almera
Type of entity: State agency
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Juan Cruz Larrasoaña; Frederic Mouthereau
Nº of researchers: 7
Funding entity or bodies: Ministerio de Ciencia e Innovación, Subprograma de Acciones Integradas (HF2008-0123)
Start-End date: 2009 - 2010
Total amount: 11.500 €
- 10** **Name of the project:** Reconstrucción y modelización 3D y 4D de sistemas sedimentarios (REMOSS 3D-4D)
Entity where project took place: Universitat de Barcelona
Type of entity: University
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Miguel López Blanco
Nº of researchers: 16
Funding entity or bodies: Ministerio de Ciencia y Tecnología, Programa nacional de biodiversidad, ciencias de la Tierra y cambio global (CGL2007-66431-CO2/BTE)
Start-End date: 2007 - 2010
Total amount: 22.050 €
- 11** **Name of the project:** Bases de datos científicos del Pirineo: desarrollo conceptual, compilación y divulgación preliminar (GeoPyrDatabase)
Entity where project took place: Universidad de Zaragoza
Type of entity: University
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): Emilio Pueyo
Nº of researchers: 70
Funding entity or bodies: INTERREG IIIb-Comunidad de Trabajo de los Pirineos (Unión Europea)
Start-End date: 2008 - 2009
Total amount: 53.400 €
- 12** **Name of the project:** El terremoto de Indonesia (Mw9.3) y el registro paleosismológico Holoceno de la zona de Subducción de Sumatra: participación en la campaña marina SUMATRA-2007
Entity where project took place: UNIDAD DE TECNOLOGIA MARINA
Type of entity: State agency
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Eulalia Gracia
Nº of researchers: 13
Funding entity or bodies: Acción Complementaria (CTM2006-27159-E)
Start-End date: 2007 - 2007
Total amount: 13.500 €



- 13** **Name of the project:** Prospección paleontológica y paleomagnética del Mioceno basal en las sucesiones continentales de la Ribera de Navarra
Entity where project took place: Instituto de Ciencias de la Tierra Jaume Almera **Type of entity:** State agency
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Juan Cruz Larrasoaña
Nº of researchers: 2
Funding entity or bodies: Gobierno de Navarra
Start-End date: 2007 - 2007
Total amount: 2.000 €
- 14** **Name of the project:** Historia geológica del Pirineo: Evolución espacio-temporal (Geokin3D-Pyr)
Entity where project took place: Universidad de Zaragoza **Type of entity:** University
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): Emilio Pueyo
Nº of researchers: 20
Funding entity or bodies: INTERREG IIIb-Comunidad de Trabajo de los Pirineos (Unión Europea)
Start-End date: 2006 - 2007
Total amount: 30.000 €
- 15** **Name of the project:** Cronología continental del Cenozoico del NE de la Placa Ibérica (CENOCRON)
Entity where project took place: Universitat de Barcelona **Type of entity:** University
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Miguel Garcés
Nº of researchers: 9
Funding entity or bodies: Ministerio de Ciencia y Tecnología, Programa nacional de biodiversidad, ciencias de la Tierra y cambio global (CGL2004-00780/BTE)
Start-End date: 2004 - 2007
Total amount: 110.950 €
- 16** **Name of the project:** Nuevos estudios magnetoestratigráficos y paleontológicos de la Formación Tudela en las Bardenas Reales de Navarra
Entity where project took place: Universidad de Zaragoza **Type of entity:** University
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Juan Cruz Larrasoaña
Nº of researchers: 2
Funding entity or bodies: Gobierno de Navarra
Start-End date: 2006 - 2006
Total amount: 3.592,69 €



- 17** **Name of the project:** Identificación y datación paleomagnética de cambios climáticos en el registro sedimentario: implicaciones paleoambientales y paleoecológicas
Entity where project took place: Universidad de Zaragoza **Type of entity:** University
City of entity: Spain
Name principal investigator (PI, Co-PI....): Juan Cruz Larrasoaña
Nº of researchers: 1
Funding entity or bodies:
Ayuda complementaria del Contrato de Investigación Ramón y Cajal (MEC)
Start-End date: 2004 - 2006
Total amount: 12.000 €
- 18** **Name of the project:** Historia geológica del Pirineo y cinemática tridimensional (Geocin-D-Pir)
Entity where project took place: Universidad de Zaragoza **Type of entity:** University
City of entity: Zaragoza, Spain
Name principal investigator (PI, Co-PI....): Antonio Casas; Jean Luc Bouchez
Nº of researchers: 20
Funding entity or bodies:
INTERREG IIIb-Comunidad de Trabajo de los Pirineos (Unión Europea)
Start-End date: 2003 - 2005
Total amount: 22.910 €
- 19** **Name of the project:** Datación magnetoestratigráfica de las Calizas de Sancho Abarca y los Yesos de Monteagudo en las Bardenas Reales de Navarra
Entity where project took place: Instituto de Ciencias de la Tierra Jaume Almera **Type of entity:** State agency
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Juan Cruz Larrasoaña
Nº of researchers: 1
Funding entity or bodies:
Gobierno de Navarra
Start-End date: 2004 - 2004
Total amount: 1.200 €
- 20** **Name of the project:** Estudio estructural de la zona de transición entre el Pirineo central y occidental: hacia un nuevo modelo de evolución tectónica de la Falla de Pamplona
Entity where project took place: Instituto de Ciencias de la Tierra Jaume Almera **Type of entity:** State agency
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Juan Cruz Larrasoaña
Nº of researchers: 1
Funding entity or bodies:
Gobierno de Navarra
Start-End date: 2003 - 2003
Total amount: 3.300 €
- 21** **Name of the project:** PRIME- Paleoseismic record of the south Iberian Margin earthquake events
Entity where project took place: UNIDAD DE TECNOLOGIA MARINA **Type of entity:** State agency



City of entity: Barcelona, Spain

Name principal investigator (PI, Co-PI....): Eulalia Gracia

Nº of researchers: 14

Funding entity or bodies:

European Large Scale Facility CALYPSO (HPRI-CT-2001-00120)

Start-End date: 2003 - 2003

Total amount: 15.600 €

- 22 Name of the project:** Participación en Ocean Drilling Program: análisis sedimentológico, geoquímico y magnético de las muestras adquiridas durante el Leg 204 (perforación de hidratos de gas en el Margen de Oregon)

Entity where project took place: UNIDAD DE TECNOLOGIA MARINA

Type of entity: State agency

City of entity: Barcelona, Spain

Name principal investigator (PI, Co-PI....): Eulalia Gracia

Nº of researchers: 7

Funding entity or bodies:

MCYT (REN2001-5262-E)

Start-End date: 2002 - 2003

Total amount: 16.500 €

- 23 Name of the project:** Paleomagnetic implications of diagenetic iron sulphide formation

Entity where project took place: Southampton Oceanography Centre, University of Southampton

Type of entity: R&D Centre

City of entity: Southampton, Hampshire and Isle of Wight, United Kingdom

Name principal investigator (PI, Co-PI....): Andrew Roberts; Chorng-Shern Horng

Nº of researchers: 3

Funding entity or bodies:

The Royal Society (UK-Taiwan Joint Project)

Start-End date: 2001 - 2003

Total amount: 15.000 €

- 24 Name of the project:** MAG-NET Network for mineral magnetic studies of environmental problems

Entity where project took place: Southampton Oceanography Centre, University of Southampton

Type of entity: R&D Centre

City of entity: Southampton, Hampshire and Isle of Wight, United Kingdom

Name principal investigator (PI, Co-PI....): Andrew Roberts

Nº of researchers: 29

Funding entity or bodies:

European Union (ERBFMRXCT98-0247)

Start-End date: 1998 - 2002

Total amount: 1.163.200 €

- 25 Name of the project:** Geomagnetic field at the Iberian Peninsula and Canary Islands: true polar wander path and behaviour around polarity transitions

Entity where project took place: Instituto de Ciencias de la Tierra Jaume Almera

Type of entity: State agency

City of entity: Barcelona, Spain

Name principal investigator (PI, Co-PI....): Josep María Parés

Nº of researchers: 5

**Funding entity or bodies:**

CICYT (PB96-0815)

Start-End date: 1997 - 2000**Total amount:** 42.100 €**26 Name of the project:** Paleomagnetic study of the Azuara area; unravelling the meteoritic impact hypothesis**Entity where project took place:** Universidad de Zaragoza **Type of entity:** University**City of entity:** Zaragoza, Spain**Name principal investigator (PI, Co-PI....):** Andrés Pocoví; Herman Mauritsch**Nº of researchers:** 7**Funding entity or bodies:**

Ministerio de Educación y Ciencia, Acción integrada Hispano-Austríaca (HU1997-0026)

Start-End date: 1997 - 1999**R&D non-competitive contracts, agreements or projects with public or private entities****1 Name of the project:** Investigación y divulgación de los valores geológicos y paleontológicos de la Reserva de la Biosfera de Bardenas Reales de Navarra**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Xabier Murelaga**Nº of researchers:** 4**Funding entity or bodies:**Ministerio de Medio Ambiente y Medio Rural y Marino **Type of entity:** Ministerio**City funding entity:** Madrid, Community of Madrid, Spain**Start date:** 2012**Duration:** 1 year**Total amount:** 27.040 €**2 Name of the project:** Proyecto de divulgación: geología y paleontología**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Xabier Murelaga**Nº of researchers:** 4**Funding entity or bodies:**Ministerio de Medio Ambiente y Medio Rural y Marino **Type of entity:** Ministerio**City funding entity:** Madrid, Community of Madrid, Spain**Start date:** 2011**Duration:** 1 year**Total amount:** 29.800 €**3 Name of the project:** La importancia del registro geológico de las Bardenas Reales de Navarra**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Xabier Murelaga**Nº of researchers:** 4**Funding entity or bodies:**Ministerio de Medio Ambiente y Medio Rural y Marino **Type of entity:** Ministerio**City funding entity:** Madrid, Community of Madrid, Spain**Start date:** 2010**Duration:** 1 year**Total amount:** 53.592 €



- 4** **Name of the project:** AMBAR 2000-Conocimiento de la naturaleza, origen y distribución de los yacimientos de ámbar de Peñacerrada (Alava)
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Luís Miguel Martínez Torres
Nº of researchers: 7
Funding entity or bodies: Universidad del País Vasco
Type of entity: University
City funding entity: Bilbao, Basque Country, Spain
Start date: 1999
Duration: 2 years
Total amount: 76.000 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** J.C. Larrasoaña. A review of West African monsoon penetration during Green Sahara periods; implications for human evolution and dispersals over the last three million years. Oxford Open Climate Change. in press, 2021.
DOI: 10.1093/oxfclm/kgab011
Type of production: Scientific paper
Format: Journal
- 2** E. Zubieta; J.C. Larrasoaña; A. Aldaz; J. Casalí; R. Giménez. Assessment of magnetite as a magnetic tracer for sediments in the study of ephemeral gully erosion: Conditioning factors of magnetic susceptibility. Earth Surface Processes and Landforms. 46, pp. 1103 - 1110. 2021.
DOI: 10.1002/esp.5074
Type of production: Scientific paper
Format: Journal
Impact source: ISI
Impact index in year of publication: 4.607
Source of citations: WOS
Citations: 1
- 3** E. Zubieta; J.C. Larrasoaña; A. Aldaz; J. Casalí; R. Giménez. Assessment of magnetite as a magnetic tracer in the study of ephemeral gully erosion: application and distribution in the soil. Earth Surface Processes and Landforms. 46, pp. 1419 - 1427. 2021.
DOI: 10.1002/esp.5111
Type of production: Scientific paper
Format: Journal
Impact source: ISI
Impact index in year of publication: 4.607
Source of citations: WOS
Citations: 0
- 4** J.C. Larrasoaña; J. Pey; X. Zhao; D. Heslop; T. Mochales; M.P. Mata; E. Beamud; J. Reyes; J.C. Cerro; N. Pérez; S. Castillo. Environmental magnetic fingerprinting of anthropogenic and natural atmospheric deposition over southwestern Europe. Atmospheric Environment. 261, pp. 118568. 2021.
DOI: 10.1016/j.atmosenv.2021.118568.
Type of production: Scientific paper
Format: Journal
Impact source: ISI



Impact index in year of publication: 5.295

Source of citations: WOS

Citations: 0

- 5** Larrasoña; Pey; Zhao; Heslop; Mochales; Mata; Beamud; Reyes; Cerro; Perez; Castillo. Environmental magnetic fingerprinting of anthropogenic and natural atmospheric deposition over southwestern Europe. *Atmospheric Environment*. 261, pp. 118568. 2021.

Type of production: Scientific paper

- 6** C. Sarabia; B. vonHoldt; J.C. Larrasoña; V. Uríos; J.A. Leonard. Pleistocene climate fluctuations drove demographic history of African golden wolves (*Canis lupaster*). *Molecular Ecology*. in press, 2021.

DOI: 10.1111/mec.15784

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 6.801

Source of citations: WOS

Citations: 1

- 7** A. Salazar; J.C. Larrasoña; M.P. Mata. El sistema de terrazas del valle bajo del Guadalquivir y su relación con la Formación Arcillas de Marismas. *Geogaceta*. 67, pp. 115 - 118. 2020.

Type of production: Scientific paper

Format: Journal

- 8** J.C. Larrasoña; N. Waldmann; S. Mischke; Y. Avni; H. Ginat. Magnetostratigraphy and Paleoenvironments of the Kuntilla Lake Sediments, Southern Israel: Implications for Late Cenozoic Climate Variability at the Northern Fringe of the Sahara-Arabian Desert Belt. *Frontiers in Earth Science*. 2020.

DOI: 10.3389/feart.2020.00173

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 3.498

Source of citations: WOS

Citations: 0

- 9** Q. Zhang; Q. Liu; A.P. Roberts; J.C. Larrasoña; X. Shi; C. Jin. Mechanism for enhanced eolian dust flux recorded in North Pacific Ocean sediments since 4.0 Ma: Aridity or humidity at dust source areas in the Asian interior?. *Geology*. 48, pp. 77 - 81. 2020.

DOI: 10.1130/G46862.1

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 6.079

Source of citations: WOS

Citations: 11

- 10** I. Díaz-Martínez; O. Suarez-Hernando; J.C. Larrasoña; B. Martínez-García; J.I. Baceta; X. Murelaga. Multi-aged social behaviour based on artiodactyl tracks in an early Miocene palustrine wetland (Ebro Basin, Spain). *Scientific Reports*. 10, pp. 1099. 2020.

DOI: 10.1038/s41598-020-57438-4

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 5.133

Source of citations: WOS

Citations: 1

- 11** J. Pey; J.C. Larrasoña; N. Pérez; J.C. Cerro; S. Castillo; M.L. Tobar; A. de Vergara; I. Vázquez; J. Reyes; M.P. Mata; T. Mochales; J.M. Orellana; J. Causapé. Phenomenology and geographical gradients of atmospheric deposition in southwestern Europe: Results from a multi-site monitoring network. *Science of the Total Environment*. 744, pp. 140745. 2020.
DOI: 10.1016/j.scitotenv.2020.140745
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 7.963
Source of citations: WOS **Citations:** 7
- 12** C. Oliván; E.L. Pueyo; E. Garrido-Schneider; A. Azcón; E. Sanchez-Moreno; J.C. Larrasoña; F. Compared. Physical and chemical properties of the groundwater of the Santo Domingo-Salinas ranges, South Central Pyrenees. *Journal of Maps*. 16, pp. 285 - 298. 2020.
DOI: 10.1080/17445647.2020.1736192
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.709
Source of citations: WOS **Citations:** 0
- 13** G. Jimenez-Moreno; J.N. Pérez-Asensio; J.C. Larrasoña; F.J. Sierro; D. García-Castellanos; A. Salazar; J.M. Salvany; S. Ledesma; M.P. Mata; C. Mediavilla. Early Pliocene climatic optimum, cooling and early glaciation deduced by terrestrial and marine environmental changes in SW Spain. *Global and Planetary Change*. 180, pp. 89 - 99. 2019.
DOI: 10.1016/j.gloplacha.2019.06.002
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.114
Source of citations: WOS **Citations:** 7
- 14** B. Oliva-Urcia; A. Moreno; M. Leunda; B Valero-Garcés; P. González-Sampériz; G. Gil-Ronera; M.P. Mata; Horda Group (incl. Jc: Larrasoña). Last deglaciation and Holocene environmental change at high altitude in the Pyrenees: the geochemical and paleomagnetic record from Marboré Lake (N Spain). *Journal of Paleolimnology*. 59, pp. 349 - 371. 2018.
Handle: 10.1007/s10933-017-0013-9
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.168
Source of citations: WOS **Citations:** 12
- 15** F. Sylvestre; M. Schuster; H. Vogel; M. Abdheramane; D. Ariztegui; U. Salzmann; A. Schwalb; N. Waldmann; ICDP CHADRILL Consortium (incl. J.C. Larrasoña). The Lake CHAd Deep DRILLing project (CHADRILL) – targeting 10 million years of environmental and climate change in Africa. *Scientific Drilling*. 24, pp. 71 - 78. 2018.
DOI: 10.5194/sd-24-71-2018
Type of production: Scientific paper
- 16** B.C.J. van den Berg; F.J. Sierro; F.J. Hilgen; R. Flecker; J.C. Larrasoña; W. Krijgsman; J.A. Flores; M.P. Mata. Imprint of Messinian Salinity Crisis events on the Spanish Atlantic margin. *Newsletters on Stratigraphy*. 51, pp. 93 - 115. 2018.



DOI: 10.1127/nos/2017/0337

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 3.663

Source of citations: WOS

Relevant publication: No

Format: Journal

Category: Geology

Citations: 13

- 17** J.N. Pérez-Asensio; J.C. Larrasoña; E. Samankassou; F.J. Sierro; D. García-Castellanos; G. Jiménez-Moreno; A. Salazar; J.M. Salvany; S. Ledesma; M.P. Mata; J. Civis; C. Mediavilla. Magnetobiochronology of Lower Pliocene marine sediments from the lower Guadalquivir Basin: Insights into the tectonic evolution of the Strait of Gibraltar area. *Geological Society of America Bulletin*. 130, pp. 1791 - 1808. 2018.

DOI: 10.1130/B31892.1

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 4.039

Source of citations: WOS

Relevant publication: No

Citations: 7

- 18** A.P. Roberts; X. Zhao; R.J. Harrison; D. Heslop; A.R. Muxworthy; C.J. Rowan; J.C. Larrasoña; F. Florindo. Signatures of Reductive Magnetic Mineral Diagenesis From Unmixing of First-Order Reversal Curves. *Journal of Geophysical Research*. 123, pp. 4500 - 4522. 2018.

DOI: 10.1029/2018JB015706

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 3.482

Source of citations: WOS

Relevant publication: No

Citations: 36

- 19** D. Ortega; C. Roqué; J. Ibañez; E. Beamud; J.C. Larrasoña; A. Sáez; X. Terradas. The chert from the Castelltallat Formation (south-central Pyrenees): archaeometric characterisation and archaeological implications. *Archaeological and Anthropological Science*. 10, pp. 1329 - 1346. 2018.

DOI: 10.1007/s12520-016-0458-1

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 2.414

Source of citations: WOS

Relevant publication: No

Citations: 4

- 20** M.J. Ramón; E.L. Pueyo; B. Oliva-Urcia; J.C. Larrasoña. Virtual directions in paleomagnetism: a global and rapid approach to evaluate the NRM components. *Frontiers in Earth Science*. 5, pp. UNSP 8. 2017.

DOI: 10.3389/feart.2017.00008

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 3.23

Source of citations: WOS

Relevant publication: No

Citations: 16

- 21** Soto R; J.C. Larrasoña; E. Beamud; M. Graces. Early-Middle Miocene subtle compressional deformation in the Ebro foreland basin (northern Spain); insights from magnetic fabrics. *Comptes Rendus Geoscience*. 348, pp. 213 - 223. 2016.
DOI: 10.1016/j.crte.2015.10.009
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.652
Citations: 5
- 22** J.C. Larrasoña; E. Beamud; M. Olivares; X. Murelaga; A. Tariño; J.I. Baceta; N. Etxebarria. Magnetic Properties of cherts from the Basque-Cantabrian Basin and surrounding regions: archeological implications. *Frontiers in Earth Science*. 4, pp. UNSP 35. 2016.
DOI: 10.3389/feart.2016.00035
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 3.23
Source of citations: WOS **Citations:** 5
- 23** Diaz-Martinez I.; Suarez-Hernando O; Martinez-Garcia B.M.; Larrasoña J.C.; Murelaga X. First bird footprints from the lower Miocene Lerin Formation, Ebro Basin, Spain. *Palaeontologica Electronica*. 19 - 1, pp. Number 7A. 2016.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.081
Source of citations: WOS **Citations:** 1
Relevant publication: No
- 24** X.F. Shi; Z.Q. Yao; Q.S. Liu; J.C. Larrasoña; Y.Z. Bai; et al.. Sedimentary architecture of the Bohai Sea, China, over the last 1 Ma and implications for sea-level changes. *Earth and Planetary Science Letters*. 451, pp. 10 - 21. 2016.
DOI: 10.1016/j.epsl.2016.07.002
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.326
Source of citations: WOS **Citations:** 35
Relevant publication: No
- 25** J.C. Larrasoña; A.P. Roberts; Q. Liu; R. Lyons; F. Oldfield; E.J. Rohling; D. Heslop. Source-to-sink magnetic properties of NE Saharan dust in Eastern Mediterranean marine sediments: review and paleoenvironmental implications. *Frontiers in Earth Science*. 3, pp. Article 19. 2015.
DOI: 10.3389/feart.2015.00019
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 3.23
Source of citations: WOS **Citations:** 13

- 26** B.C.J. van den Berg; F.J. Sierro; F.J. Hilgen; R. Flecker; J.C. Larrasoña; W. Krijgsman; J.A. Flores; M.P. Mata; E. Bellido-Martín; J. Civis; J.A. González-Delgado. Astronomical tuning for the upper Messinian Spanish Atlantic margin: Disentangling basin evolution, climate cyclicity and MOW. *Global and Planetary Change*. 135, pp. 89 - 103. 2015.
DOI: 10.1016/j.gloplacha.2015.10.009
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Geology
Impact index in year of publication: 2.766 **Journal in the top 25%:** Yes
Source of citations: WOS **Citations:** 17
Relevant publication: No
- 27** V. Borruel-Abadía; M. Gómez-Paccard; J.C. Larrasoña; M. Rico; B. Valero-Garcés; A. Moreno; M. Jambriña-Enríquez; R. Soto. Late Pleistocene to Holocene palaeoenvironmental variability in the north-west Spanish mountains: insights from a source-to-sink environmental magnetic study of Lake Sanabria. *Journal of Quaternary Science*. 30, pp. 222 - 234. 2015.
DOI: 10.1002/jqs.2773
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 3.357
Source of citations: WOS **Citations:** 6
Relevant publication: No
- 28** D. García-Castellanos; J.C. Larrasoña. Quantifying the post-tectonic topographic evolution of closed basins: The Ebro basin (northeast Iberia). *Geology*. 43, pp. 663 - 666. 2015.
DOI: 10.1130/G36673.1
Type of production: Scientific paper
Impact source: ISI **Category:** Geology
Impact index in year of publication: 4.884 **Journal in the top 25%:** Yes
Source of citations: WOS **Citations:** 27
Relevant publication: No
- 29** B. Martínez-García; O. Suárez-Hernando; A. Suárez-Bilbao; A. Pascual; A. Ordiales; X. Murelaga; F.J. Ruiz-Sánchez. Lower-middle Miocene ostracod assemblages of Loma Negra (Bardenas Reales de Navarra, Ebro basin): palaeoenvironmental evolution of a lacustrine system. *Ameghiniana*. 51, pp. 405 - 419. 2014.
DOI: 10.5710/AMGH.14.08.2014.2745
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.221
Source of citations: WOS **Citations:** 2
- 30** Z. Yao; X. Shi; Q. Liu; Y. Liu; J.C. Larrasoña; et al.. Paleomagnetic and astronomical dating of sediment core BH08 from the Bohai Sea, China: Implications for glacial-interglacial sedimentation. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 393, pp. 90 - 101. 2014.
DOI: 10.1016/j.palaeo.2013.11.012
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.752

**Source of citations:** WOS**Citations:** 71**Relevant publication:** No

- 31** J.C. Larrasoaña; Q. Liu; P. Hu; A.P. Roberts; P. Mata; J. Civis; F.J. Sierro; J.N. Pérez-Asensio. Paleomagnetic and paleoenvironmental implications of magnetofossil occurrences in late Miocene marine sediments from the Guadalquivir Basin, SW Spain. *Frontiers in Microbiology*. 5, pp. UNSP 71. 2014.

DOI: 10.3389/fmicb.2014.00071**Type of production:** Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 3.941**Source of citations:** WOS**Citations:** 32**Relevant publication:** No

- 32** J.C. Larrasoaña; A.P. Roberts; E.J. Rohling. Dynamics of green Sahara periods and their role in hominin evolution. *PLOS One*. 8 - 10, pp. E76514. 2013.

DOI: 10.1371/journal.pone.0076514**Type of production:** Scientific paper**Impact source:** ISI**Impact index in year of publication:** 3.73**Source of citations:** WOS**Citations:** 130

- 33** M. Gómez-Paccard; J.C. Larrasoaña; C. Sancho; A. Muñoz; E. McDonald; E.J. Rhodes; M.C. Osácar; E. Costa; E. Beamud. Early Holocene environmental variability in a fragile semi-arid landscape (Bardenas Reales Natural Park, NE Spain): a palaeo- and environmental magnetic approach. *Catena*. 103, pp. 30 - 43. 2013.

DOI: 10.1016/j.catena.2011.05.013**Type of production:** Scientific paper**Impact source:** ISI**Impact index in year of publication:** 1.881**Source of citations:** WOS**Citations:** 13

- 34** Andrew P. Roberts; F. Florindo; L. Chang; D. Heslop; Eelco J. Rohling; Juan C. Larrasoaña. Magnetic properties of pelagic marine carbonates. *Earth Science Reviews*. 27, pp. 111-139. 2013.

DOI: 10.1016/j.earscirev.2013.09.009**Type of production:** Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 7.339**Source of citations:** WOS**Citations:** 74

- 35** A. Salazar-Rincón; Grupo HORDA (incl. J.C. Larrasoaña). Magnetismo y cambios ambientales en registros terrestres: el Lago de Marboré, Parque Nacional de Ordes y Monte Perdido (Huesca). *Cuadernos de Investigación Geográfica*. 39 - 1, pp. 97 - 116. 2013.

Type of production: Scientific paper**Format:** Journal

- 36** B. Oliva-Urcia; Grupo HORDA (incl. J.C. Larrasoaña). Magnetismo y cambios ambientales en registros terrestres: el Lago de Marboré, Parque Nacional de Ordes y Monte Perdido (Huesca). *Cuadernos de Investigación Geográfica*. 39 - 1, pp. 117 - 140. 2013.

Type of production: Scientific paper**Format:** Journal



- 37** F.J. Ruiz-Sánchez; X. Murelaga; M. Freudenthal; J.C. Larrasoña; M. Furió; M. Garcés; M. González-Pardos; O. Suárez-Hernando. Micromammalian faunas from the Middle Miocene (Middle Aragonian) of the Tudela Formation (Ebro Basin, Spain). *Bulletin of Geosciences*. 88, pp. 131-152. 2013.
DOI: 10.3140/bull.geosci.1362
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.141
Source of citations: WOS **Citations:** 10
- 38** M. Gómez-Paccard; E. Beamud; G. McIntosh; J.C. Larrasoña. New archaeomagnetic data recovered from the study of three roman kilns from north-east Spain: a contribution to the Iberian Palaeosecular variation curve. *Archaeometry*. 55, pp. 159 - 177. 2013.
DOI: 10.1111/j.1475-4754.2012.00675.x
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.287
Source of citations: WOS **Citations:** 14
- 39** E.J. Rohling; K.M. Grant; A.P. Roberts; J.C. Larrasoña. Palaeoclimate variability in the Mediterranean and Red Sea regions during the last 500,000 years; implications for hominin migrations. *Current Anthropology*. 54, pp. 183 - 201. 2013.
DOI: 10.1086/673882
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.934
Source of citations: WOS **Citations:** 32
- 40** G. Jiménez-Moreno; N. Pérez-Asensio; J.C. Larrasoña; J. Aguirre; J. Civis; M.R. Rivas-Carballo; M.F. Valle-Hernández; J.A. González-Delgado. Vegetation, sea-level and climate changes during the Messinian salinity crisis. *Geological Society of America Bulletin*. 125, pp. 432 - 444. 2013.
DOI: 10.1130/B30663.1
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 4.286
Source of citations: WOS **Citations:** 42
- 41** F.J. Ruiz-Sánchez; X. Murelaga; M. Freudenthal; J.C. Larrasoña; M. Garcés. A new species of *Vasseuromys* (Gliridae, Rodentia) from the Aragonian (Miocene) of Ebro Basin (north-eastern Spain). *Acta Palaeontologica Polonica*. 57, pp. 225 - 239. 2012.
DOI: 10.4202/app.2010.0081
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.488
Source of citations: WOS **Citations:** 7



- 42** C. Lin; Q. Liu; J.C. Larrasoña. A precursor to the Matuyama-Brunhes reversal in Chinese loess and its paleomagnetic and stratigraphic significance. *Geophysical Journal International*. 190, pp. 829 - 842. 2012.
DOI: 10.1111/j.1365-246X.2012.05537.x
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.853
Source of citations: WOS **Citations:** 19
- 43** Q. Liu; A.P. Roberts; J.C. Larrasoña; S.K. Banerjee; Y. Guyodo; L. Tauxe; F. Oldfield. Environmental magnetism: principles and applications. *Reviews of Geophysics*. 50 - 4, 2012.
DOI: 10.1029/2012RG000393
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 13.333
Source of citations: WOS **Citations:** 432
- 44** M. Gómez-Paccard; J.C. Larrasoña; S. Giralt; A.P. Roberts. First paleomagnetic results of mid- to late Holocene sediments from Lake Issyk-Kul (Kyrgyzstan): implications for paleosecular variation in central Asia. *Geochemistry, Geophysics, Geosystems*. 13 - Q03019, 2012.
DOI: 10.1029/2011GC004015
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.939
Source of citations: WOS **Citations:** 9
- 45** L. Chang; A.P. Roberts; W. Williams; J.D. Fitz-Gerald; J.C. Larrasoña; L. Jovane; A. Muxworthy. Giant magnetofossils and hyperthermal events. *Earth and Planetary Science Letters*. 351-352, pp. 258 - 269. 2012.
DOI: 10.1016/j.epsl.2012.07.031
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.349
Source of citations: WOS **Citations:** 32
- 46** F.J. Ruiz-Sánchez; X. Murelaga; J.C. Larrasoña; M. Freudenthal; M. Garcés. Hypsodont Myomiminae (Gliridae, Rodentia) from the Lower Miocene Tudela Formation (Bardenas Reales, Ebro Basin, Spain) and their bearing on the age of the Agenian-Ramblan boundary. *Geodiversitas*. 34, pp. 645 - 663. 2012.
DOI: 10.5252/g2012n3a10
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.927
Source of citations: WOS **Citations:** 1
- 47** B. Oliva-Urcia; J.C. Larrasoña; A. Muñoz; A. González; A. Pérez; A. Luzón; T. Román-Berdiel; J.J. Villalaín. La susceptibilidad magnética como marcador paleoambiental en una abanico aluvial del Pleistoceno superior: la cuenca de Añavieja, Cordillera Ibérica (NE de España). *Geotemas*. 13, pp. 243. 2012.
Type of production: Scientific paper **Format:** Journal



- 48** J.C. Larrasoaña; A.P. Roberts; L. Chang; J.D. Fitz-Gerald; S. Schellenberg; R.D. Norris; J.C. Zachos. Magnetotactic bacterial response to Antarctic dust supply during the Palaeocene-Eocene thermal maximum. *Earth and Planetary Science Letters*. 333-334, pp. 122 - 133. 2012.
DOI: 10.1016/j.epsl.2012.04.003
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.349
Source of citations: WOS **Citations:** 43
- 49** B. Oliva-Urcia; E.L. Pueyo; J.C. Larrasoaña; A.M. Casas; T. Román-Berdiel; R. van der Voo; R. Scholger. New and revisited paleomagnetic data from Permian-Triassic red beds: two kinematic domains in the west-central Pyrenees. *Tectonophysics*. 522-523, pp. 158 - 175. 2012.
DOI: 10.1016/j.tecto.2011.11.023
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.684
Source of citations: WOS **Citations:** 15
- 50** Q. Liu; J.C. Larrasoaña; J. Torrent; A.P. Roberts; E.J. Rohling; Z. Liu; Z. Jiang. New constraints on climate forcing and variability in the circum-Mediterranean region from magnetic and geochemical observations of sapropels S1, S5 and S6. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 333-334, pp. 1 - 12. 2012.
DOI: 10.1016/j.palaeo.2012.02.036
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.745
Source of citations: WOS **Citations:** 13
- 51** V.D.Crespo; et al. (incl. J.C. Larrasoaña). New findings of the genus *Altomiramys* (Mammalia, Gliridae) in the Lower Miocene (Agenian, Ramblian and Aragonian) of the Ebro and Ribesalbes-Alcora basins (Spain). *Peckiana*. 8, pp. 245 - 254. 2012.
Type of production: Scientific paper **Format:** Journal
- 52** I. Pérez-Rodríguez; J.A. Lees; J.C. Larrasoaña; J.A. Arz; I. Arenillas. Planktonic foraminiferal and calcareous nannofossil biostratigraphy and magnetostratigraphy of the uppermost Campanian and Maastrichtian at Zumaia, northern Spain. *Cretaceous Research*. 37, pp. 100 - 126. 2012.
DOI: 10.1016/j.cretres.2012.03.011
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.63
Source of citations: WOS **Citations:** 46
- 53** V. Borrueal; J.C. Larrasoaña; M. Gómez-Paccard; M. Rico; B. Valero-Garcés; A. Moreno; R. Soto. Propiedades magnéticas de sedimentos del Lago de Sanabria y su área fuente (NO España): implicaciones paleoambientales. *Geotemas*. 13, pp. 352. 2012.
Type of production: Scientific paper **Format:** Journal



- 54** B. Oliva-Urcia; HORDA Group (incl. J.C. Larrasoña). Resultados preliminares del magnetismo ambiental del lago de Marboré (Parque Nacional de Ordesa y Monte Perdido, Pirineos). *Geotemas*. 13, pp. 244. 2012.
Type of production: Scientific paper **Format:** Journal
- 55** F.J. Ruiz-Sánchez; X. Murelaga; M. Freudenthal; J.C. Larrasoña; M. Furió; M. Garcés; M. González-Pardos; O. Suárez-Hernando. Rodents and insectivores from the Lower Miocene (Agenian and Ramblian) of the Tudela Formation (Ebro Basin, Spain). *Journal of Iberian Geology*. 38, pp. 349 - 372. 2012.
DOI: 10.5209/rev_JIGE.2012.v38.n2.40463
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.152
Source of citations: WOS **Citations:** 9
- 56** A.P. Roberts; L. Chang; D. Heslop; F. Florindo; G. Villa; S.M. Bohaty; J.C. Larrasoña; J.D. Fitz-Gerald. Searching for single domain magnetite in the pseudo-single-domain” sedimentary haystack: implications of biogenic magnetite preservation for sediment magnetism and relative paleointensity determinations. *Journal of Geophysical Research*. 117 - B08104, 2012.
DOI: 10.1029/2012JB009412
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 3.174
Source of citations: WOS **Citations:** 130
- 57** M. Gómez-Paccard; M. López-Blanco; E. Costa; M. Garcés; E. Beamud; J.C. Larrasoña. Tectonic and climatic controls on the sequential arrangement of an alluvial fan/fan-delta complex (Montserrat, Eocene, Ebro basin, NE Spain). *Basin Research*. 24, pp. 437 - 455. 2012.
DOI: 10.1111/j.1365-2117.2011.00532.x
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.912
Source of citations: WOS **Citations:** 4
Source of citations: WOS **Citations:** 8
- 58** G. Grellet-Tinner; X. Murelaga; J.C. Larrasoña; L.F. Silveira; M. Olivares; L.M. Ortega; P.W. Trimby; A. Pascual. The first occurrence in the fossil record of an aquatic avian twig-nest with Phoenicopteriformes eggs: evolutionary implications. *PLOS One*. 7 - E46972, 2012.
DOI: 10.1371/journal.pone.0046972
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 3.73
Source of citations: WOS **Citations:** 13
- 59** F.J. Ruiz-Sánchez; X. Murelaga; M. Freudenthal; J.C. Larrasoña; M. Garcés. *Vasseuromys rambliensis* sp. nov. (Gliridae, Mammalia) from the Ramblian (Lower Miocene) of the Tudela Formation (Ebro Basin, Spain). *Palaeontologia Electronica*. 15 - 4A, 2012.
Type of production: Scientific paper
Impact source: ISI



Impact index in year of publication: 0.871

Source of citations: WOS

Citations: 4

- 60** A.P. Roberts; E.J. Rohling; K.M. Grant; J.L. Larrasoña; Q. Liu. Atmospheric dust variability from Arabia and China over the last 500,000 years. *Quaternary Science Reviews*. 30, pp. 3357 - 3541. 2011.

DOI: 10.1016/j.quascirev.2011.09.007

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 3.973

Source of citations: WOS

Citations: 33

- 61** J.M. Salvany; J.C. Larrasoña; C. Mediavilla; A. Rebollo. Chronology and tectono-sedimentary evolution of the Late Pliocene to Quaternary deposits of the lower Guadalquivir foreland basin, SW Spain. *Sedimentary Geology*. 241, pp. 22 - 39. 2011.

DOI: 10.1016/j.sedgeo.2011.09.009

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 1.537

Source of citations: WOS

Citations: 28

- 62** A.P. Roberts; F. Florindo; G. Villa; L. Chang; L. Jovane; S.M. Bohaty; J.C. Larrasoña; J.D. Fitz-Gerald. Magnetotactic bacterial abundance in pelagic marine environments is limited by availability of dissolved iron and organic carbon flux. *Earth and Planetary Science Letters*. 310, pp. 86 - 108. 2011.

DOI: 10.1016/j.epsl.2011.08.011

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.18

Source of citations: WOS

Citations: 121

- 63** V. Quiralte; X. Murelaga; J.C. Larrasoña; H. Astinia; J. Morales. New data on *Andegameryx* (Mammalia, Ruminantia) from the Lower Miocene of Bardenas Reales (Navarra, Spain). *Estudios Geológicos*. 67, pp. 629 - 635. 2011.

DOI: 10.3989/egeol.40609.210

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication: 0.324

Source of citations: WOS

Citations: 0

- 64** J.C. Larrasoña; M. Gómez-Paccard; S. Giralte; A.P. Roberts. Rapid locking of tectonic magnetic fabrics in weakly deformed mudrocks. *Tectonophysics*. 507, pp. 16 - 182. 2011.

DOI: 10.1016/j.tecto.2011.05.003

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 2.433

Source of citations: WOS

Citations: 25



- 65** E. Molina; et al. (incl. J.C. Larrasoña). The Global Standard Stratotype-section and Point (GSSP) for the base of the Lutetian Stage at the Gorrondatxe section, Spain. *Episodes*. 34, pp. 86 - 108. 2011.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.282
Source of citations: WOS **Citations:** 80
- 66** E. Costa; M. Garcés; M. López-Blanco; E. Beamud; M. Gómez-Paccard; J.C. Larrasoña. Closing and continentalization of the South Pyrenean foreland basin (NE Spain): magnetochronological constraints. *Basin Research*. 22, pp. 904 - 917. 2010.
DOI: 10.1111/j.1365-2117.2009.00452.x
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.264
Source of citations: WOS **Citations:** 84
- 67** A.P. Roberts; F. Florindo; J.C. Larrasoña; M. O'Reagan; X. Zhao. Complex polarity pattern at the former Plio-Pleistocene global stratotype section at Vrica (Italy): remagnetization by magnetic iron sulphides. *Earth and Planetary Science Letters*. 292, pp. 98 - 111. 2010.
DOI: 10.1016/j.epsl.2010.01.025
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.279
Source of citations: WOS **Citations:** 47
- 68** C.A. Sánchez-Quiñones; et al. (incl. J.C. Larrasoña). Geogaceta. Foraminíferos del tránsito Cenomaniense-Turonense en la sección de El Chorro, Cordillera Bética, sur de España. 49, pp. 23 - 26. 2010.
Type of production: Scientific paper **Format:** Journal
- 69** S. Khadivi; F. Mouthereau; J.C. Larrasoña; J. Vergés; O. Lacombe; E. Khademi; E. Beamud; M. Melinte-Dobrinescu; J.P. Suc. Magnetochronology of synorogenic Miocene foreland sediments in the Fars arc of the Zagros Folded Belt (SE Iran). *Basin Research*. 22, pp. 918 - 932. 2010.
DOI: 10.1111/j.1365-2117.2009.00446.x
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.264
Source of citations: WOS **Citations:** 79
- 70** J.C. Larrasoña; M. Ortuño; H.H. Birks; B. Valero-Garcés; J.M. Parés; R. Copons; L. Camarero; J. Bordonau. Palaeoenvironmental and palaeoseismic implications of a 3700-year sedimentary record from proglacial Lake Barrancs (Maladeta Massif, Central Pyrenees, Spain). *Palaeogeography, Palaeoclimatology, Palaeoecology*. 294, pp. 83 - 93. 2010.
DOI: 10.1016/j.palaeo.2009.04.003
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.39

**Source of citations:** WOS**Citations:** 13

- 71** B. Oliva-Urcia; J.C. Larrasoña; E.L. Pueyo; A. Gil-Imaz; P. Mata; J.M. Parés; A.M. Schleicher; O. Pueyo. Disentangling magnetic subfabrics and their link to deformation processes in cleaved sedimentary rocks from the Internal Sierras (west-central Pyrenees, Spain). *Journal of Structural Geology*. 31, pp. 163 - 176. 2009.
DOI: 10.1016/j.jsg.2008.11.002
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.732
Source of citations: WOS **Citations:** 57
- 72** R. Soto; J.C. Larrasoña; L.E. Arlegui; E. Beamud; B. Oliva-Urcia; J.L. Simón. Reliability of magnetic fabrics of weakly deformed mudrocks as a palaeostress indicator in compressive settings. *Journal of Structural Geology*. 31, pp. 512 - 522. 2009.
DOI: 10.1016/j.jsg.2009.03.006
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.732
Source of citations: WOS **Citations:** 55
- 73** M.H. Trauth; J.L. Larrasoña; M. Mudelsee. Trends, rhythms and events in Plio-Pleistocene African climate. *Quaternary Science Reviews*. 28, pp. 399 - 411. 2009.
DOI: 10.1016/j.quascirev.2008.11.003
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.245
Source of citations: WOS **Citations:** 215
- 74** E.Costa; et al. (incl. J.C. Larrasoña). Eocene-Oligocene magnetostratigraphy from the central part of the SE margin of the Ebro basin. *Geotemas*. 10, pp. 1159 - 1162. 2008.
Type of production: Scientific paper **Format:** Journal
- 75** J.C. Larrasoña; C. Sancho; X. Murelaga; A. Urmeneta. Geología del Parque Natural de las Bardenas Reales de Navarra; principales características y puntos de especial interés geológico. *Geotemas*. 10, pp. 1347 - 1350. 2008.
Type of production: Scientific paper **Format:** Journal
- 76** J.L. Larrasoña; C. Gonzalvo; E. Molina; S. Monechi; S. Ortiz; F. Tori; J. Tosquella. Integrated magnetobiochronology of the Early/Middle Eocene transition at Agost (Spain): Implications for defining the Ypresian/Lutetian boundary stratotype. *Lethaia*. 41, pp. 395 - 415. 2008.
DOI: 10.1111/j.1502-3931.2008.00096.x
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.567
Source of citations: WOS **Citations:** 35



- 77** B. Oliva-Urcia; E.L. Pueyo; J.C. Larrasoña. Magnetic reorientation induced by pressure solution: a potential mechanism for orogenic-scale remagnetizations. *Earth and Planetary Science Letters*. 265, pp. 525 - 534. 2008.
DOI: 10.1016/j.epsl.2007.10.032
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 3.955
Source of citations: WOS **Citations:** 22
- 78** J.L. Larrasoña; A.P. Roberts; E.J. Rohling. Magnetic susceptibility of eastern Mediterranean marine sediments as a proxy for Saharan dust supply?. *Marine Geology*. 254, pp. 224 - 229. 2008.
DOI: 10.1016/j.margeo.2008.06.003
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.1
Source of citations: WOS **Citations:** 44
- 79** J.C. Larrasoña; J.A. González-Delgado; J. Civis; F.J. Sierro; G. Alonso-Gavilán; J. País. Magnetobiostratigraphic dating and environmental magnetism of Late Neogene marine sediments recovered at the Huelva-1 and Montemayor-1 boreholes (lower Guadalquivir basin, Spain). *Geotemas*. 10, pp. 1175 - 1178. 2008.
Type of production: Scientific paper **Format:** Journal
- 80** M.A. López; et al. (incl. J.C. Larrasoña). Pyrenean paleomagnetic databases. *Geotemas*. 10 - 1219, pp. 1222. 2008.
Type of production: Scientific paper **Format:** Journal
- 81** J.C. Larrasoña; A.P. Roberts; R. Musgrave; E. Gracia; E. Piñero; M.E. Vega; F. Martínez-Ruiz. Diagenetic formation of greigite and pyrrhotite in gas hydrate marine sedimentary systems. *Earth and Planetary Science Letters*. 261, pp. 350 - 366. 2007.
DOI: 10.1016/j.epsl.2007.06.032
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 3.873
Source of citations: WOS **Citations:** 121
- 82** A. Tarriño; et al. (incl. J.C. Larrasoña). El sílex tipo Urbasa". Caracterización petrológica y geoquímica de un marcador litológico en yacimientos arqueológicos del Suroeste europeo durante el Pleistoceno superior y Holoceno inicial. *Geogaceta*. 43, pp. 127 - 130. 2007.
Type of production: Scientific paper **Format:** Journal
- 83** X. Murelaga; H. Astibia; J.I. Baceta; Y. Almar; E. Beamud; J.C. Larrasoña. Fósiles de pisadas de aves en el Oligoceno de Etaio (Navarra, Cuenca del Ebro). *Geogaceta*. 41, pp. 143 - 146. 2007.
Type of production: Scientific paper **Format:** Journal
- 84** E. Piñero; E. Gracia; F. Martínez-Ruiz; J.C. Larrasoña; A. Vizcaino; G. Ercilla. Gas hydrate disturbance fabrics of southern Hydrate Ridge sediments (ODP Leg 204): relationships with texture and physical properties. *Geo-Marine Letters*. 27, pp. 279 - 288. 2007.
DOI: 10.1007/s00367-007-0077-z
Type of production: Scientific paper **Format:** Journal
Impact source: ISI



Impact index in year of publication: 0.811

Source of citations: WOS

Citations: 12

- 85** Q. Liu; A.P. Roberts; J. Torrent; C.S. Horng; J.C. Larrasoña. What do the HIRM and S-ratio parameters really measure in environmental magnetism?. *Geochemistry, Geophysics, Geosystems*. 8 - Q09011, 2007.

DOI: 10.1029/2007GC001717

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 2.354

Source of citations: WOS

Citations: 166

- 86** J.C. Larrasoña; A.P. Roberts; A. Hayes; R. Wehausen; E.J. Rohling. Detecting missing beats in the Mediterranean climate rhythm from magnetic identification of oxidized sapropels (Ocean Drilling Program Leg 160). *Physics of the Earth and Planetary Interiors*. 156, pp. 283 - 293. 2006.

DOI: 10.1016/j.pepi.2005.04.017

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 2.44

Source of citations: WOS

Citations: 23

- 87** J.C. Larrasoña; X. Murelaga; M. Garcés. Magnetobiochronology of Lower Miocene (Ramblian) continental sediments from the Tudela Formation (western Ebro basin, Spain). *Earth and Planetary Science Letters*. 243, pp. 409 - 423. 2006.

DOI: 10.1016/j.epsl.2006.01.034

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 3.887

Source of citations: WOS

Citations: 58

- 88** J.C. Larrasoña; X. Murelaga; M. Garcés. Magnetoestratigrafía de las sucesiones continentales Miocenas de las Bardenas Reales de Navarra (sector occidental de la cuenca del Ebro). *Geotemas*. 9, pp. 135 - 138. 2006.

Type of production: Scientific paper

Format: Journal

- 89** X. Murelaga; Y. Almar; E. Beamud; J.C. Larrasoña; M. Garcés. Nueva localidad fosilífera en el Mioceno inferior de Bargota (Navarra) (cuenca del Ebro, Península Ibérica). *Geogaceta*. 40, pp. 171 - 174. 2006.

Type of production: Scientific paper

Format: Journal

- 90** R. Musgrave; P. Bangs; J.C. Larrasoña; E. Gracias; J. Hollamby; M.E. Vega. Rise of the base of the gas hydrate zone since the last glacial recorded by rock magnetism. *Geology*. 34, pp. 117 - 120. 2006.

DOI: 10.1130/G22008.1

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 3.447

Source of citations: WOS

Citations: 35



- 91** J.C. Larrasoña; A.P. Roberts; E.J. Rohling; M. Winklhofer. Climate variability and NE Saharan landscape evolution: what can we learn from eastern Mediterranean dust records?. Cairo University Press. 2, pp. 565 - 570. 2005.
Type of production: Scientific paper **Format:** Scientific and technical document or report
- 92** J.C. Larrasoña; M. Garcés; X. Murelaga; E. Beamud. Magnetoestratigrafía y magnetismo ambiental de las Facies de Tudela (Mioceno inferior) en las Bardenas Reales de Navarra (sector occidental de la cuenca del Ebro). Geotemas. 6, pp. 295 - 298. 2004.
Type of production: Scientific paper **Format:** Journal
- 93** X. Murelaga; J.C. Larrasoña; M. Garcés. Nueva localidad fosilífera en el Mioceno inferior de las Bardenas Reales de Navarra (cuenca del Ebro, Península Ibérica). Geogaceta. 36, pp. 179 - 182. 2004.
Type of production: Scientific paper **Format:** Journal
- 94** E. Piñero; E. Gracia; J.C. Larrasoña; F. Martínez-Ruiz; G. Ercilla; A. Vizcaino; M. Garcés. Sedimentología y magnetismo de sedimentos ricos en hidratos de gas de Hydrate Ridge (Margen de Oregon, ODP Leg 204): aplicación en estudios paleoclimáticos. Geotemas. 6, pp. 97 - 100. 2004.
Type of production: Scientific paper **Format:** Journal
- 95** J.C. Larrasoña; A.P. Roberts; J. Stoner; C. Richter. A new proxy for bottom-water ventilation on the eastern Mediterranean based on diagenetically controlled magnetic properties of sapropel-bearing sediments. Palaeogeography, Palaeoclimatology, Palaeoecology. 190, pp. 221 - 242. 2003.
DOI: 10.1016/S0031-0182(02)00607-7
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.766
Source of citations: WOS **Citations:** 78
- 96** J.C. Larrasoña; M. Garcés; L.M. Martínez-Torres. Estratigrafía magnética de los yacimientos de ámbar de Montoria-Peñacerrada (Alava, cuenca Vasco-Cantábrica). Estudios del Museo de Ciencias Naturales de Alava. 18, pp. 33 - 48. 2003.
Type of production: Scientific paper **Format:** Journal
- 97** L. Sagnotti; et al (incl. J.C. Larrasoña). Inter-laboratory calibration of low field (K) and anhysteretic (Ka) susceptibility measurements. Physics of the Earth and Planetary Interiors. 138, pp. 221 - 242. 2003.
DOI: 10.1016/S0031-9201(03)00063-3
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.034
Source of citations: WOS **Citations:** 55
- 98** J.C. Larrasoña; J.M. Parés; H. Millán; J. del Valle; E.L. Pueyo. Paleomagnetic, structural and stratigraphic constraints on transverse fault kinematics during basin inversion: the Pamplona Fault (Pyrenees, N Spain). Tectonics. 22 - 1071, 2003.
DOI: 10.1029/2002TC001446
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.308
Source of citations: WOS **Citations:** 61

- 99** J.C. Larrasoaña; J.M. Parés; E.L. Pueyo. Stable Eocene magnetization carried by magnetite and magnetic iron sulfides in marine marls (Pamplona-Arguis Formation, southern Pyrenees, N Spain). *Studia Geophysica et Geodaetica*. 47, pp. 237 - 254. 2003.
DOI: 10.1023/A:1023770106613
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 0.426
Source of citations: WOS **Citations:** 10
- 100** J.L. Larrasoaña; A.P. Roberts; E.J. Rohling; M. Winklhofer; R. Wehausen. Three million years of monsoon variability over the northern Sahara. *Climate Dynamics*. 21, pp. 689 - 698. 2003.
DOI: 10.1007/s00382-003-0355-z
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 3.437
Source of citations: WOS **Citations:** 232
- 101** E.L. Pueyo; A. Pocoví; J.M. Parés; H. Millán; J.C. Larrasoaña; J.C. Larrasoaña. Thrust ramp geometries and spurious rotations of paleomagnetic vectors. *Studia Geophysica et Geodaetica*. 47, pp. 331 - 357. 2003.
DOI: 10.1023/A:1023775725268
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 0.426
Source of citations: WOS **Citations:** 21
- 102** J.C. Larrasoaña; J.M. Parés; J. del Valle; H. Millán. Triassic paleomagnetism from the Western Pyrenees revisited: implications for the Iberian-Eurasian Mesozoic plate boundary. *Tectonophysics*. 262, pp. 161 - 182. 2003.
DOI: 10.1016/S0040-1951(02)00636-4
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.633
Source of citations: WOS **Citations:** 31
- 103** J.C. Larrasoaña; E.L. Pueyo; H. Millán; J.M. Parés; J. del Valle. Deformation mechanisms deduced from AMS data in the Jaca-Pamplona basin (southern Pyrenees). *Physics and Chemistry of the Earth*. 22, pp. 147 - 152. 1997.
Type of production: Scientific paper **Format:** Journal
- 104** J.C. Larrasoaña; E.L. Pueyo; J. del Valle; H. Millán; J.M. Parés; A. Pocoví; J. Dinarés-Turell. Datos magnetotectónicos del Eoceno de la cuenca de Jaca-Pamplona: resultados preliminares. *Geogaceta*. 20, pp. 1058 - 1061. 1996.
Type of production: Scientific paper **Format:** Journal
- 105** J.C. Larrasoaña; T. Mochales. ¿Qué aporta el magnetismo en estudios paleoclimáticos y medioambientales?. *Enseñanza de las Ciencias de la Tierra*. 24, pp. 304 - 314. 2016. ISSN 1132-9157
Type of production: Popular science article



- 106** A. Barnolas; J.C. Larrasoaña; V. Pujalte; B. Schmitz; F.J. Sierra; M.P. Mata; B.C.J. van den Berg; J.N. Pérez-Asensio; A. Salazar; J.M. Salvany; S. Ledesma; D. Garcia-Castellanos; J. Civis; P. Cunha. Alpine foreland basins. The Geology of Iberia: A Geodynamic Approach, Volume 4. pp. 7 - 59. Springer Nature Switzerland, 2019.
Type of production: Book chapter **Format:** Book
- 107** J.C. Larrasoaña; X. Murelaga; O. Suarez-Hernando; C. Sancho. Patrimonio geológico y geodiversidad de las Bardenas Reales de Navarra. Registro Fósil de los Pirineos Occidentales, Bienes de Interés paleontológico y geológico, Proyección Social. pp. 273 - 275. Servicio de publicaciones del Gobierno Vasco, 2018. ISBN 978-84-457-3437-7
Type of production: Book chapter **Format:** Book
- 108** J.C. Larrasoaña. A NE Saharan perspective on environmental variability in North Africa; implications for modern human origins. Modern Origins: a North African Perspective (Hublin, J.J. and MacPherron, S. Eds.). XXI, pp. 19 - 34. Springer, 2012.
Type of production: Book chapter **Format:** Book
- 109** E. Gracia; E. Piñero; J.C. Larrasoaña; A. Vizcaino; G. Ercilla; Leg 204 Scientific Party. Data Report: Grain-Size, Bulk and Clay Mineralogy of Sediments from the Summit and Flanks of southern Hydrate. Proceedings of the Ocean Drilling Program, Scientific Results Leg 204. 204 - ChapterX, Universidad de Texas A & M(USA), 2006.
Type of production: Book chapter **Format:** Book
- 110** J.C. Larrasoaña; E. Gracia; M. Garcés; R. Musgrave; E. Piñero; F. Martínez-Ruiz; M.E. Vega; Leg 204 Scientific Party. Rock magnetic identification of magnetic iron sulfides and its bearing on the occurrence of gas hydrates, ODP Leg 204 (Hydrate Ridge). Proceedings of the Ocean Drilling Program, Scientific Results Leg 204. 204 - ChapterX, Universidad de Texas A & M(USA), 2006.
Type of production: Book chapter **Format:** Book
- 111** J.C. Larrasoaña; E.L. Pueyo; J.M. Parés. An integrated AMS, structural, paleo- and rock-magnetic study of the Eocene marine marls from the Jaca-Pamplona basin (Pyrenees, N Spain); new insights into the timing of magnetic fabric acquisition in weakly deformed mudrocks. Magnetic Fabric: Methods and Applications (Martín-Hernández, F., Lüneburg, C.M., Aubourg, C. y Jackson, M. Eds.). 238, pp. 127 - 143. Geological Society, London, Special Publication, 2004.
Type of production: Book chapter **Format:** Book
Source of citations: SCOPUS **Citations:** 58
- 112** A. Pocoví; H. Millán; E.L. Pueyo; J.C. Larrasoaña; B. Oliva. El frente surpirenaico en el sector central. Geología de España (Vera, J.A. Ed.). pp. 236 - 237. Sociedad Geológica de España-IGME, 2004.
Type of production: Book chapter **Format:** Book
- 113** E.L. Pueyo; M.T. Román-Berdiel; J.L. Bouchez; A.M. casa; J.C. Larrasoaña. Statistical significance of magnetic fabric data in studies of paramagnetic granites. Magnetic Fabric: Methods and Applications (Martín-Hernández, F., Lüneburg, C.M., Aubourg, C. y Jackson, M. Eds.). 238, pp. 395 - 420. Geological Society, London, Special Publication, 2004.
Type of production: Book chapter **Format:** Book
Source of citations: SCOPUS **Citations:** 15
- 114** M. Calvo; M. Garcés; C. Gomes; J.C. Larrasoaña; E.L. Pueyo; J.J. Villalaín. MAGIBER-I: Paleomagnetismo en España y Portugal. ISBN: 84-96394-35-2, Universidad de Burgos, 2006.
Type of production: Scientific book or monograph **Format:** Book



- 115** J.C. Larrasoña; X. Murelaga; J.L. Peña; C. Sancho. Geology. A visitor's guide. Bardenas Reales de Navarra. pp. 9 - 77. Comunidad de Bardenas Reales de Navarra, 2021. ISBN 978-84-09-28086-5
Type of production: Popular science book **Format:** Book
- 116** J.C. Larrasoña; X. Murelaga; J.L. Peña; C. Sancho. Géologie. Guide du visiteur. Bardenas Reales de Navarra. pp. 9 - 77. Comunidad de Bardenas Reales de Navarra, 2021. ISBN 978-84-09-26990-7
Type of production: Popular science book **Format:** Book
- 117** J.C. Larrasoña; X. Murelaga; J.L. Peña; C. Sancho. Geología. Guía del Visitante. Bardenas Reales de Navarra. pp. 9 - 77. Comunidad de Bardenas Reales de Navarra, 2018. ISBN 978-84-09-00950-3
Type of production: Popular science book **Format:** Book
- 118** Q.S. Liu; J.C. Larrasoña; A.P. Roberts. Rock and environmental magnetism: new techniques and applications. Frontiers in Earth Science. Research Topic, 2016.
Type of production: Scientific edition **Format:** Journal
- 119** J.C. Larrasoña. Magnetocronología del relleno sedimentario de la cuenca baja del Guadalquivir en el entorno del Parque Nacional de Doñana (sondeos de Lebrija, Villafranco y La Matilla). Unpublished Report (IGME). pp. 1 - 12. 2008.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 120** J.C. Larrasoña. Prospección paleontológica y paleomagnética del Mioceno basal en las sucesiones continentales de la Ribera de Navarra. Unpublished Report (Gobierno de Navarra). pp. 1 - 11. 2008.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 121** J.C. Larrasoña. Nuevos estudios magnetoestratigráficos y paleontológicos de la Formación Tudela en las Bardenas Reales de Navarra: hacia una sección de referencia para el Mioceno inferior continental en Europa. Unpublished Report (Gobierno de Navarra). pp. 1 - 15. 2006.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 122** J.C. Larrasoña. Datación magnetoestratigráfica de las calizas de Sancho Abarca y los Yesos de Monteagudo en las Bardenas Reales de Navarra. Unpublished Report (Gobierno de Navarra). pp. 1 - 15. 2004.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 123** J.C. Larrasoña. Estudio estructural de la zona de transición entre el Pirineo central y occidental: hacia un nuevo modelo de evolución tectónica de la falla de Pamplona. Unpublished Report (Gobierno de Navarra). pp. 1 - 27. 2003.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 124** J.C. Larrasoña; A.P. Roberts. Detecting the real distribution of Mediterranean sapropels using magnetic measurements. UK ODP Newsletters. 27, pp. 35 - 35. 2001.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 125** J.C. Larrasoña; M. Garcés. Definición del contexto geológico de los yacimientos de ámbar de Montoria-Peñacerrada, Subtarea: Paleomagnetismo. Unpublished report (Universidad del País Vasco/Diputación de Alava). pp. 1 - 16. 2000.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report



Works submitted to national or international conferences

- 1** **Title of the work:** Magnetochronology of Early Pleistocene lacustrine sedimentation in the hyperarid Negev Desert, southern Israel: implications for the initial out-of-Africa dispersal of Homo
Name of the conference: AGU Fall Meeting
Type of participation: Participatory - invited/keynote talk
City of event: On-line, everywhere,
Date of event: 2020
Organising entity: American Geophysical Union
Juan C. Larrasoña; Nicolas Waldmann; Steffen Mischke; Yoav Avni; Hanan Ginat.
- 2** **Title of the work:** Dynamics of green Sahara periods and their role on hominin evolution: implications and predictions for the CHADRILL project
Name of the conference: Workshop on Scientific Deep Drilling in the Chad Basin
Type of participation: Participatory - invited/keynote talk
City of event: Aix-en-Provence, France
Date of event: 2016
Organising entity: ICDP
J.C. Larrasoña.
- 3** **Title of the work:** Paleoenvironmental variability and population dynamics at the gateway to Eurasia; implications for the origin of modern humans
Name of the conference: Cell Symposia: Evolution of modern humans - from bones to genomes
Type of participation: Participatory - invited/keynote talk
City of event: Sitges, Spain
Date of event: 2014
Organising entity: Elsevier
City organizing entity: Holland
J.C. Larrasoña; A.P. Roberts; E.J. Rohling.
- 4** **Title of the work:** Magnetic properties of pelagic marine carbonates
Name of the conference: AGU Meeting of the Americas
Type of participation: Participatory - invited/keynote talk
City of event: Mexico
Date of event: 2013
Organising entity: American Geophysical Union
City organizing entity: Cancun, Mexico
A.P. Roberts; F. Florindo; L. Chang; L. Jovane; D. Heslop; J.C. Larrasoña.
- 5** **Title of the work:** How widespread are magnetofossils in the geological record?
Name of the conference: AOGS-AGU Joint Assembly
Type of participation: Participatory - invited/keynote talk
Date of event: 2012
Organising entity: American Geophysical Union
City organizing entity: Singapore, Singapore
A.P. Roberts; L. Chang; D. Heslop; F. Florindo; J.C. Larrasoña.

- 6** **Title of the work:** Paleoclimate variability in the Mediterranean and Red Sea regions during the last 500,000 years
Name of the conference: Alternative pathways to complexity: evolutionary trajectories of the Middle Paleolithic and the Middle Stone Age
Type of participation: Participatory - invited/keynote talk
City of event: Stockholm, Sweden
Date of event: 2012
Organising entity: Wenner-Gren Foundation
City organizing entity: United States of America
E.J. Rohling; K. Grant; A.P. Roberts; J.C. Larrasoña.
- 7** **Title of the work:** Complex polarity pattern at the former Plio-Pleistocene global stratotype section at Vrica (Italy): remagnetization by magnetic iron sulphides
Name of the conference: EGU General Assembly
Type of participation: Participatory - invited/keynote talk
Date of event: 2011
Organising entity: European Geoscience Union
City organizing entity: Viena, Austria
F. Florindo; A.P. Roberts; J.C. Larrasoña; M. O'Reagan; X. Zhao.
- 8** **Title of the work:** Environmental magnetic records of atmospheric dust variability from Arabia and Asia over the last 500,000 years
Name of the conference: GSA Meeting
Type of participation: Participatory - invited/keynote talk
Date of event: 2011
Organising entity: Geological Society of America
City organizing entity: Minneapolis,
A.P. Roberts; E.J. Rohling; K.M. Grant; J.C. Larrasoña; Q. Liu.
- 9** **Title of the work:** Environmental magnetic records of atmospheric dust variability from Arabia and Asia over the last 500,000 years
Name of the conference: Meeting of the IUGG
Type of participation: Participatory - invited/keynote talk
Date of event: 2011
Organising entity: International Union of Geodesy and Geophysics
City organizing entity: Melbourne, Australia
A.P. Roberts; E.J. Rohling; K.M. Grant; J.C. Larrasoña; Q. Liu.
- 10** **Title of the work:** Magnetotactic bacterial abundance in pelagic marine environments is limited by availability of dissolved iron and organic carbon flux
Name of the conference: American Geophysical Union Fall Meeting
Type of participation: Participatory - invited/keynote talk
Date of event: 2011
Organising entity: American Geophysical Union
City organizing entity: San Francisco, United States of America
A.P. Roberts; F. Florindo; G. Villa; L. Chang; L. Jovane; S. Bohaty; J.C. Larrasoña.
- 11** **Title of the work:** Magnetite dissolution and authigenic magnetic iron sulfide formation in gas hydrate-bearing sediments; implications for paleo- and environmental magnetic studies
Name of the conference: AGU Joint Assembly
Type of participation: Participatory - invited/keynote talk
City of event: Toronto, Canada



Date of event: 2009

Organising entity: American Geophysical Union

City organizing entity: United States of America

J.C. Larrasoaña; A.P. Roberts; E. Gràcia; R.J. Musgrave; E. Piñero; M. Vega; F. Martínez-Ruiz.

- 12** **Title of the work:** Unravelling tectonic-paleoclimatic cyclicity from alluvial-lacustrine sequences? Integrated magnetostratigraphic and sedimentological approach
Name of the conference: GeoSed
Type of participation: Participatory - invited/keynote talk
Date of event: 2008
Organising entity: Italian Association of Sedimentary Geology
City organizing entity: Bari, Italy
L. Cabrera; et al. (incl. J.C. Larrasoaña).
- 13** **Title of the work:** A 350 kyr marine record of landscape evolution in the NE Sahara: implications for human population dynamics in the gateway to Asia
Name of the conference: Modern Origins: a North African Perspective
Type of participation: Participatory - invited/keynote talk
Date of event: 2007
Organising entity: Max Planck Institute for Evolutionary Anthropology
City organizing entity: Leipzig, Germany
J.C. Larrasoaña.
- 14** **Title of the work:** What do the HIRM and S-ratio really measure in environmental magnetism?
Name of the conference: American Geophysical Unión Fall Meeting
Type of participation: Participatory - invited/keynote talk
Date of event: 2007
Organising entity: American Geophysical Union
City organizing entity: San Francisco, United States of America
A.P. Roberts; Q. Liu; J. Torrent; C.S. Horng; J.C. Larrasoaña.
- 15** **Title of the work:** Paleo- and rock-magnetic measurements of u-channel samples and their applications in paleoceanography: basis, shortcomings and advantages
Name of the conference: JAMSTEC/OD21 Joint workshop on Advances in coring, drilling and non-invasive measurement technologies for paleoceanographic investigations: a community discussion on the state of the art”
Type of participation: Participatory - invited/keynote talk
Date of event: 2001
Organising entity: VII International Conference on Paleoceanography
City organizing entity: Sapporo, Japan
J.C. Larrasoaña.
- 16** **Title of the work:** Additional 135 communications to international (95) and national (40) meetings
Name of the conference: Different conferences
Date of event: 1996
End date: 2021
Organising entity: Different institutions



Works submitted to national or international seminars, workshops and/or courses

Title of the work: Seminars in different academic institutions Univ. Munich and Potsdam (Alemania), Michigan (USA), Utrecht (Holanda), Australian National University (Canberra, Australia), Haifa (Israel), UPNA, Coruña y Complutense de Madrid (España) and at research institutes ETH-Zurich (Suiza), NOC (Reino Unido), INGV-Roma (Italia) e ICTJA-CSIC (España).

Date of event: 1998

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1 **Committee title:** Geología del subsuelo para la evaluación de zonas y estructuras con capacidad de almacenamiento geológico en España: cadena pirenaica y cuenca del Ebro
Geographical area: Regional
Affiliation entity: Gessal **Type of entity:** Associations and Groups
Start-End date: 2009 - 2009
- 2 **Committee title:** Vocal of the Consejo Asesor de Investigación y Desarrollo - Nominated
Affiliation entity: Gobierno de Aragón **Type of entity:** Regional Government
Start date: 2021
- 3 **Committee title:** Associate Editor for Geomagnetism & Paleomagnetism, Frontiers in Earth Sciences and Frontiers in Astronomy and Space Sciences
Affiliation entity: Frontiers Media SA
City affiliation entity: Laussane, Switzerland
Start date: 2015

Organization of R&D activities

- 1 **Title of the activity:** Joint Assembly
Type of activity: Scientific session **Geographical area:** Non EU International
Convening entity: IAGA-IAPSO-IAMAS
City convening entity: Cape Town, South African Republic
Start-End date: 2017 - 2017 **Duration:** 1 day
- 2 **Title of the activity:** MAGIBER-VI Paleomagnetismo en España y Portugal
Type of activity: Meeting **Geographical area:** Regional
Convening entity: Paleomagnetism Section, Geological Society of Spain
City convening entity: Puigcerdá, Spain
Start-End date: 2010 - 2010 **Duration:** 5 days
- 3 **Title of the activity:** VI Congreso Geológico de España
Type of activity: Meeting **Geographical area:** Regional
Convening entity: Paleomagnetism Section, Geological Society of Spain
City convening entity: Las Palmas de Gran Canaria, Spain
Start-End date: 2008 - 2008 **Duration:** 5 days



- 4** **Title of the activity:** MAGIBER-IV Paleomagnetismo en España y Portugal
Type of activity: Meeting **Geographical area:** Regional
Convening entity: Paleomagnetism Section, Geological Society of Spain
City convening entity: Vigo, Spain
Start-End date: 2006 - 2006 **Duration:** 5 days
- 5** **Title of the activity:** MAGIBER-II Paleomagnetismo en España y Portugal
Type of activity: Meeting **Geographical area:** Regional
Convening entity: Paleomagnetism Section, Geological Society of Spain
City convening entity: Coimbra, Portugal
Start-End date: 2002 - 2002 **Duration:** 5 days
- 6** **Title of the activity:** MAGIBER-I Paleomagnetismo en España y Portugal
Type of activity: Meeting **Geographical area:** Regional
Convening entity: Paleomagnetism Section, Geological Society of Spain
City convening entity: Burgos
Start-End date: 2001 - 2001 **Duration:** 5 days

R&D management

- 1** **Name of the activity:** Comisión de Paleomagnetismo
Performed tasks: Coordinator
Entity: SOCIEDAD GEOLOGICA DE ESPAÑA
Start date: 2021
- 2** **Name of the activity:** Research Group on Sedimentary Record of Paleoclimatic Change
Performed tasks: Coordinator
Entity: Instituto Geológico y Minero de España **Type of entity:** Public Research Body
Start date: 2021

Evaluation and revision of R&D projects and articles

- 1** **Name of the activity:** Jornadas de seguimiento científico-técnico de proyectos de la Subárea Temática de Ciencias de la Tierra del Plan nacional, convocatoria de 20218
Performed tasks: Monitoring of Research projects
Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** State agency
Start date: 2021
- 2** **Performed tasks:** Reviewer of Equipment proposal
Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** State Agency
Start date: 2021
- 3** **Performed tasks:** Reviewer of National parks Research project
Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** State Agency
Start date: 2021

- 4** **Performed tasks:** Reviewer of Research project
Entity where activity was carried out: Junta de Extremadura
Start date: 2020
- 5** **Performed tasks:** Reviewer of Research projects
Entity where activity was carried out: EPOS Multi-Scale Laboratories
Start date: 2019
- 6** **Performed tasks:** Reviewer of Research projects
Entity where activity was carried out: EPOS Multi-Scale Laboratories
Start date: 2018
- 7** **Performed tasks:** Reviewer of Research project
Entity where activity was carried out: USA-Israel Binational Science Foundation
Start date: 2017
- 8** **Name of the activity:** Comisión Técnica de Evaluación de Proyectos del Plan Nacional
Performed tasks: Reviewer of Research projects
Entity where activity was carried out: Ministerio de Economía y Competitividad
Start date: 2017
- 9** **Name of the activity:** Review of a proposal for the International collaborative research program (PRCI)
Performed tasks: Reviewer of Research project
Entity where activity was carried out: ANR France
City of entity: France
Start date: 2015
- 10** **Performed tasks:** Reviewer of PhD. predoctoral grants
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** others
Start date: 2014
- 11** **Name of the activity:** Review of a proposal for the Paleo Perspectives on Climate Change (P2C2)
Performed tasks: Reviewer of Research project
Entity where activity was carried out: NSF USA
City of entity: United States of America
Start date: 2014
- 12** **Name of the activity:** Review of a proposal for the Innovational Research Incentives Scheme Vidi 2009 ALW
Performed tasks: Reviewer of Research project
Entity where activity was carried out: MWO Nederland
City of entity: Holland
Start date: 2009
- 13** **Performed tasks:** Member of 12 PhD. panels (B. Oliva, 2004, Univ. Zaragoza; G. Bozzano, 2004, Univ. Barcelona; K.J. Mohamed-Falcón, 2006, Univ. Vigo; V. Willmott, 2007, Univ. Barcelona; E. Piñero, 2009, Univ. Barcelona; A. Carrancho, 2010, Univ. Burgos; M. Olivares, 2010, Univ. País Vasco; T. Mochales, 2011, U. Zaragoza; F.J. Pérez-Rivarés, 2016, U. Zaragoza; B. Van den Berg, 2016, U. Salamanca; P. Povea, 2016, U. Barcelona; H. Gil, 2017, U. Zaragoza)



Entity where activity was carried out: Different institutions

Start date: 2004

- 14 Performed tasks:** Reviewer of ~80 papers for scientific journals: Nature, Nature Communications, Nature Geoscience; Geology; Journal of Quaternary Science; Journal of Paleolimnology; Earth and Planetary Science Letters; Tectonics; Tectonophysics; Geochemistry, Geophysics, Geosystems; Geologica Acta; Geophysical Research Letters; Geology; Continental Shelf Research; International Journal of Earth Sciences; Quaternary Science Reviews; Atmospheric Environment; Atmosphere; Geochimica Cosmochimica Acta; Geophysical Journal International; Journal of Applied Geophysics; Earth, Planets, Space; Studia Geophysica et Geodaetica; Physics and Chemistry of the Earth; Near Surface Geophysics; Frontiers in Earth Science; Geofísica Internacional; Springer; Revista de la Sociedad Geológica de España; Geotemas; Estudios Geológicos

Entity where activity was carried out: Different editorials

Start date: 2002

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Universidad Pública de Navarra
Start-End date: 2021 - 2023
Goals of the stay: Guest
Type of entity: University
Duration: 2 years
- 2 Entity:** The Australian National University
Faculty, institute or centre: School of Earth Sciences
City of entity: Canberra, Australia
Start-End date: 2012 - 2012
Goals of the stay: Guest
Duration: 6 months
- 3 Entity:** Chinese Academy of Science
Faculty, institute or centre: Institute of Geology and Geophysics
City of entity: Beijing, China
Start-End date: 2011 - 2011
Goals of the stay: Guest
Duration: 21 days
- 4 Entity:** University of Southampton
Faculty, institute or centre: National Oceanography Centre
City of entity: Southampton, United Kingdom
Start-End date: 2005 - 2005
Goals of the stay: Guest
Duration: 1 month
- 5 Entity:** University of Southampton
Faculty, institute or centre: National Oceanography Centre
City of entity: Southampton, United Kingdom
Start-End date: 2004 - 2004
Goals of the stay: Guest
Duration: 1 month
- 6 Entity:** University of Southampton
Faculty, institute or centre: Southampton Oceanography Centre
City of entity: Southampton, United Kingdom



Start-End date: 2000 - 2002
Goals of the stay: Post-doctoral

Duration: 2 years - 6 months

7 **Entity:** Academia Sinica
City of entity: Taipei, Taiwan
Start-End date: 2001 - 2001
Goals of the stay: Post-doctoral

Duration: 15 days

8 **Entity:** Ludwig-Maximilians Universität
Faculty, institute or centre: Institut für Allgemeine und Angewandte Geophysik
City of entity: Munich, Germany
Start-End date: 1999 - 1999
Goals of the stay: Doctorate

Duration: 3 months

9 **Entity:** University of Michigan
Faculty, institute or centre: Department of Geological Sciences
City of entity: Ann Arbor, United States of America
Start-End date: 1999 - 1999
Goals of the stay: Doctorate

Duration: 3 months

10 **Entity:** Montanuniversität
Faculty, institute or centre: Institut für Geophysik
City of entity: Leoben, Austria
Start-End date: 1998 - 1998
Goals of the stay: Doctorate

Duration: 2 months

11 **Entity:** Ludwig-Maximilians Universität
Faculty, institute or centre: Institut für Allgemeine und Angewandte Geophysik
City of entity: Munich, Germany
Start-End date: 1997 - 1997
Goals of the stay: Doctorate

Duration: 3 months

12 **Entity:** University of Michigan
Faculty, institute or centre: Department of Geological Sciences
City of entity: Ann Arbor, United States of America
Start-End date: 1997 - 1997
Goals of the stay: Doctorate

Duration: 3 months

13 **Entity:** University of Minnesota
Faculty, institute or centre: Institute for Rock Magnetism
City of entity: Minneapolis, United States of America
Start-End date: 1997 - 1997
Goals of the stay: Doctorate

Duration: 10 days

14 **Entity:** University of Haifa
City of entity: Haifa, Israel
Start date: 2016
Goals of the stay: Guest

Type of entity: University

Duration: 9 days



- 15** **Entity:** RV Marion Dufresne PICABIA-CALYPSO Expedition (Burdeos-Las Palmas de Gran Canaria)
Start date: 2003 **Duration:** 15 days
Goals of the stay: Post-doctoral

Obtained grants and scholarships

- 1** **Name of the grant:** Programa nacional de movilidad de investigadores séniores
Aims: Invited
Awarding entity: Ministerio de Ciencia e Innovación **Type of entity:** 1
Conferral date: 2012 **Duration:** 5 months
End date: 2012
Entity where activity was carried out: The Australian National University
Faculty, institute or centre: School of Earth Sciences
- 2** **Name of the grant:** Visiting Fellowship
Aims: Invited
Awarding entity: Chinese Academy of Science
Conferral date: 2011 **Duration:** 22 days
End date: 2011
Entity where activity was carried out: Institut of Geology and Geophysics
Faculty, institute or centre: Paleomagnetism and geochronology laboratory
- 3** **Name of the grant:** Visiting Fellowship
Aims: Pre-doctoral
Awarding entity: Deutscher Akademischer Austauschdienst
Conferral date: 1999 **Duration:** 3 months
End date: 1999
Entity where activity was carried out: ILM Universität München (Alemania)
Faculty, institute or centre: Paleomagnetic Laboratory
- 4** **Name of the grant:** Institut for Rock Magnetism Visiting Fellowship
Aims: Pre-doctoral
Awarding entity: University of Minnesota **Type of entity:** University
Conferral date: 1997 **Duration:** 15 days
End date: 1997
Entity where activity was carried out: Institut for Rock Magnetism
- 5** **Name of the grant:** Visiting Fellowship
Aims: Pre-doctoral
Awarding entity: Covenio de colaboración DFG (Deutsche Forschungsgesellschaft)-CSIC
Conferral date: 1997 **Duration:** 3 months
End date: 1997
Entity where activity was carried out: ILM Universität München (Alemania)
Faculty, institute or centre: Paleomagnetic Laboratory



Scientific societies and professional associations

- 1** **Name of the society:** Sociedad Geológica de España
Start date: 2004
- 2** **Name of the society:** American Geophysical Union
Start date: 2001