



**Félix Rodríguez Iglesias**

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## 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.

### 1.- FORMACIÓN:

\* 1998: Doctorado en Química (Premio Extraordinario). Departamento de Química Orgánica e Inorgánica, Universidad de Oviedo (Directores: José Barluenga Mur y Francisco J. Fañanás Vizcarra).

\* 1999-2001: Estancia posdoctoral. Department of Chemistry, University of Cambridge (England). (Grupo de Investigación del Profesor Steven V. Ley)

### 2.- ACTIVIDAD PROFESIONAL:

\* 2021-Actualidad: Catedrático de Universidad, Departamento de Química Orgánica e Inorgánica, Universidad de Oviedo.

\* 2009-2021: Profesor Titular de Universidad, Departamento de Química Orgánica e Inorgánica, Universidad de Oviedo.

\* 2007-2009: Profesor Contratado Doctor. Departamento de Química Orgánica e Inorgánica, Universidad de Oviedo.

\* 2002-2007: Investigador Contratado del Programa Ramón y Cajal. Departamento de Química Orgánica e Inorgánica, Universidad de Oviedo.

\* 2002: Investigador Contratado del Programa Marie Curie de Reincorporación de Doctores. Departamento de Química Orgánica e Inorgánica, Universidad de Oviedo.

\* 2000-2001: Postdoctoral Associate Researcher. Department of Chemistry, University of Cambridge (England).

### 3.-ACTIVIDAD INVESTIGADORA:

\* Autor de 111 artículos en revistas científicas y un capítulo de libro. Se destacan 19 publicaciones en Angewandte Chemie, 4 publicaciones en Journal of the American Chemical Society y 19 publicaciones en Chemistry, A European Journal. Índice-h: 13 (Fuente: ISI Web of Knowledge, Enero de 2008).

\* Índice-h: 36

\* Premio de la Real Sociedad Española de Química para Jóvenes Investigadores (2005)

### 4.-DIRECCIÓN DE TESIS DOCTORALES:

\* Director de 12 tesis doctorales (4 en los últimos 6 años):

- 2018. Patricia Fernández Fernández. Reacciones de Cicloisomerización con Derivados de Benzaldehídos: Síntesis de Sistemas Policíclicos con Estructura de Isoquinolina y Pirrol.

- 2018. Raquel Fontaneda López. Nuevas Reacciones de Ciclación Catiónica y su Aplicación en Síntesis Biomimética.

- 2017. Lara Cala Álvarez. Selective Synthesis of Carbo- and Heterocycles through Cycloisomerization Reactions of Alkynol and Alkynamine Derivatives. Mención Internacional.

- 2017. Pedro Alonso Figaredo. Cationic Carbocyclisation Reactions of Alkynols and Enynes for the Synthesis of Cyclic Alkenyl Halides and Triflates. Mención Internacional.

### 5.-SEXENIOS DE INVESTIGACIÓN:

\* 3; Último tramo: 2012-17; Fecha de Concesión: 06/06/2018





## 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.

\* Publicaciones científicas totales: 110

\* Publicaciones destacadas en: Angewandte: 19; JACS: 4; Chemical Science: 2; Chemistry-A European Journal: 19

\* Índice-h: 36; Número total de citas: 3962; Promedio citas/artículo: 37.7

\* Tesis dirigidas: 12

\* Sexenios de Investigación: 3; Último tramo: 2012-17; Fecha de Concesión: 06/06/2018



## Félix Rodríguez Iglesias

Surname(s):	<b>Rodríguez Iglesias</b>
Name:	<b>Félix</b>
ORCID:	<b>0000-0003-2441-1325</b>
ResearcherID:	<b>I-8173-2014</b>
Gender:	<b>Male</b>
Nationality:	<b>Spain</b>
Country of birth:	<b>Spain</b>
Aut. region/reg. of birth:	<b>Principality of Asturias</b>
Contact address:	<b>Departamento de Química Orgánica e Inorgánica (Universidad de Oviedo)</b>
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### Current professional situation

**Employing entity:** Universidad de Oviedo      **Type of entity:** University  
**Department:** Facultad de Química  
**Professional category:** Catedrático de Universidad  
**Start date:** 09/03/2021  
**Dedication regime:** Full time



## Education

### University education

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

- 1 University degree:** Doctorate  
**Name of qualification:** Doctor en Química  
**Degree awarding entity:** Universidad de Oviedo  
**Date of qualification:** 14/12/1998
- 2 University degree:** Higher degree  
**Name of qualification:** Licenciado en Ciencias Químicas  
**Degree awarding entity:** Universidad de Oviedo  
**Date of qualification:** 14/09/1993

#### Doctorates

**Doctorate programme:** Química Organometálica  
**Degree awarding entity:** Universidad de Oviedo  
**Date of degree:** 14/12/1998  
**Thesis title:** Boroxicarbenos de Fischer: un Nuevo Tipo de Complejos con Reactividad Inusual  
**Thesis director:** José Barluenga Mur  
**Thesis co-director:** Francisco Javier Fañanás Vizcarra  
**Obtained qualification:** Sobresaliente cum laude

## Teaching experience

### Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Reacciones de Cicloisomerización con Derivados de Benzaldehídos: Síntesis de Sistemas Policíclicos con Estructura de Isoquinolina y Pirrol  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Francisco Javier Fañanás Vizcarra  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Patricia Fernández Fernández  
**Obtained qualification:** Sobresaliente cum laude  
**Date of reading:** 28/11/2018  
**Quality recognition:** Yes
- 2 Project title:** Nuevas Reacciones de Ciclación Catiónica y su Aplicación en Síntesis Biomimética  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Francisco Javier Fañanás Vizcarra



**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Raquel Fontaneda López  
**Obtained qualification:** Sobresaliente cum laude  
**Date of reading:** 23/11/2018  
**Quality recognition:** Yes

**3** **Project title:** Selective Synthesis of Carbo- and Heterocycles through Cycloisomerization Reactions of Alkynol and Alkynamine Derivatives  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Francisco Javier Fañanás Vizcarra  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Lara Cala Alvarez  
**Obtained qualification:** Sobresaliente cum Laude  
**Date of reading:** 23/06/2017  
**European doctorate:** Yes  
**Quality recognition:** Yes

**4** **Project title:** Cationic Carbocyclisation Reactions of Alkynols and Enynes for the Synthesis of Cyclic Alkenyl Halides and Triflates  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Francisco Javier Fañanás Vizcarra  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Pedro Alonso Figaredo  
**Obtained qualification:** Sobresaliente cum laude  
**Date of reading:** 01/06/2017  
**European doctorate:** Yes  
**Quality recognition:** Yes

**5** **Project title:** Una Nueva Aproximación a la Síntesis de Cannabinoides con Importante Actividad Biológica  
**Type of project:** Trabajo Fin de Master  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Daniel Fernández Carrasco  
**Date of reading:** 14/07/2016

**6** **Project title:** Funcionalización Selectiva de Naftaleno por Activación de Enlaces C-H  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Rubén Vicente Arroyo  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Susana Castro Fernández  
**Obtained qualification:** Sobresaliente cum laude  
**Date of reading:** 17/12/2015  
**European doctorate:** No  
**Quality recognition:** Yes

**7** **Project title:** Ciclaciones Electríflicas de Alquinoles y Eninos Promovidas por Ácidos Próticos o Tetracloruro de Platino  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Francisco Javier Fañanás Vizcarra  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Pilar Pardo Llamas  
**Obtained qualification:** Sobresaliente cum laude



**Date of reading:** 06/11/2015

**European doctorate:** No

**Quality recognition:** Yes

- 8** **Project title:** New Metal-Catalyzed Cyclization Reactions of ortho-Alkynylsalicylaldehydes: Total Synthesis of (-)-Berkelic Acid  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Francisco Javier Fañanás Vizcarra  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Tamara Arto Suárez  
**Obtained qualification:** Sobresaliente cum laude  
**Date of reading:** 09/10/2015  
**European doctorate:** Yes  
**Quality recognition:** Yes
- 9** **Project title:** One-Pot Catalysis and Multicomponent Cascade Reactions for the Synthesis of Pyrrolidine and Indole Derivatives  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Francisco Javier Fañanás Vizcarra  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Alicia Galván Álvarez  
**Obtained qualification:** Sobresaliente cum laude  
**Date of reading:** 11/06/2015  
**European doctorate:** Yes  
**Quality recognition:** Yes
- 10** **Project title:** Carbociclaciones Catiónicas Promovidas por Ácidos Próticos y su Potencial Aplicación en la Síntesis de Terpenoides  
**Type of project:** Trabajo Fin de Master  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Laura Martínez Arias  
**Date of reading:** 17/07/2014
- 11** **Project title:** Reacciones en Cascada de N-Boc-Alquilaminas e Isonitrilos Catalizadas por un Sistema Binario Metal/Ácido de Bronsted  
**Type of project:** Trabajo Fin de Master  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Alba Castañón Rodríguez  
**Date of reading:** 17/07/2014
- 12** **Project title:** Reacciones de Acoplamiento de Indolcarbaldehídos, Aminas y Enol Éteres. Síntesis de Derivados de Furopirroloquinolinaminas  
**Type of project:** Trabajo Fin de Master  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Raquel Fontaneda López  
**Date of reading:** 12/06/2014  
**Quality recognition:** No
- 13** **Project title:** Síntesis Asimétrica de Acetales Bicíclicos Fusionados a Través de Reacciones de Acoplamiento Multicomponente  
**Type of project:** Trabajo Fin de Master





**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Patricia Fernández Fernández

**Date of reading:** 12/06/2014

**14 Project title:** Reacciones Catalíticas de Acoplamiento de Iminas Derivadas de Isatina y Alquinoles

**Type of project:** Trabajo Fin de Master

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Tania Morán Luengo

**Date of reading:** 28/06/2013

**15 Project title:** Síntesis de Acetales Crománicos Mediante un Proceso Catalítico Tándem Ortogonal

**Type of project:** Trabajo Fin de Master

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Pedro Alonso Figaredo

**Date of reading:** 02/07/2012

**16 Project title:** Procesos en Cascada Iniciados por Activación Catalítica de Alquinos para la Síntesis Estereoselectiva de Heterociclos

**Type of project:** Doctoral thesis

**Co-director of thesis:** Francisco Javier Fañanás Vizcarra

**Entity:** Universidad de Oviedo

**Student:** Jonás Calleja Priede

**Obtained qualification:** Sobresaliente cum laude

**Date of reading:** 18/04/2012

**Quality recognition:** Yes

**17 Project title:** Nuevas Reacciones Catalíticas en Cascada para la Síntesis de Compuestos Heterocíclicos Oxigenados

**Type of project:** Trabajo Fin de Master

**Entity:** Universidad de Oviedo

**Student:** Lara Cala Álvarez

**Date of reading:** 01/07/2011

**18 Project title:** Reacciones de Cicloisomerización de 3-Butin-1-oles. Síntesis de Tetrahidrofuranos 2,2-Disustituídos

**Type of project:** Trabajo Fin de Master

**Entity:** Universidad de Oviedo

**Student:** Alicia Galván Álvarez

**Date of reading:** 01/07/2011

**19 Project title:** Síntesis de Benzoderivados de Biciclo[3.3.1]nonano a través de una Doble Adición Michael Intramolecular Catalizada por Ácidos de Bronsted o Ácidos de Lewis

**Type of project:** Work leading to an ASD

**Entity:** Universidad de Oviedo

**Student:** Pilar Pardo Llamas

**Date of reading:** 01/07/2010

**Quality recognition:** No

**20 Project title:** Reacción de Propargilaminas y Beta-Cetoésteres Catalizada por Compuestos de Oro: Síntesis de 3,6-Dihidropiridina-3-carboxilatos

**Type of project:** Trabajo Fin de Máster

**Entity:** Universidad de Oviedo

**Type of entity:** University



**Student:** Tamara Arto Suárez

**Date of reading:** 01/07/2010

**Quality recognition:** No

- 21** **Project title:** Síntesis de Heterociclos a través de Reacciones Catalíticas en Cascada de Omega-Alquinoles  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** José Barluenga Mur  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Abraham Mendoza Valderrey  
**Date of reading:** 19/06/2009  
**European doctorate:** No  
**Quality recognition:** Yes
- 22** **Project title:** Nuevas Reacciones en Cascada de Omega-Alquinoles Catalizadas por Complejos de Oro y Platino  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** José Barluenga Mur  
**Entity:** Universidad de Oviedo  
**Student:** Amadeo Fernández Miranda  
**Obtained qualification:** Sobresaliente cum laude  
**Date of reading:** 29/04/2009  
**European doctorate:** No  
**Quality recognition:** Yes
- 23** **Project title:** Reacciones Catalíticas Cicloisomerización 6-exo Ciclación Tipo Oxa-Pictet-Spengler  
**Type of project:** Work leading to an ASD  
**Entity:** Universidad de Oviedo  
**Student:** Amaya Satrústegui Moreno  
**Date of reading:** 04/06/2007  
**Quality recognition:** No
- 24** **Project title:** Reacciones Catalíticas Tándem Cicloisomerización 6-exo / Ciclación tipo Prins de Omega-Alquinoles  
**Type of project:** Work leading to an ASD  
**Entity:** Universidad de Oviedo  
**Student:** Amadeo Fernández Miranda  
**Date of reading:** 04/06/2007  
**Quality recognition:** No
- 25** **Project title:** Reacciones de Acoplamiento entre Compuestos Organometálicos y Olefinas Heterosustituidas Promovidas por Complejos Zirconoceno  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** José Barluenga Mur  
**Entity:** Universidad de Oviedo  
**Student:** Lucía Álvarez Rodrigo  
**Obtained qualification:** Sobresaliente cum laude  
**Date of reading:** 27/03/2007  
**European doctorate:** Yes  
**Quality recognition:** Yes
- 26** **Project title:** Reacciones de Acoplamiento de Complejos Arino-Zirconoceno y Enol Éteres. Funcionalización Selectiva de Arenos  
**Type of project:** Minor thesis



**Entity:** Universidad de Oviedo  
**Student:** Amadeo Fernández Miranda  
**Date of reading:** 01/06/2006  
**Quality recognition:** No

**27** **Project title:** Reacciones de Acoplamiento de Complejos Alqueno-Zirconoceno y Enol Éteres Cíclicos  
**Type of project:** Minor thesis  
**Entity:** Universidad de Oviedo  
**Student:** Lucía Álvarez Rodrigo  
**Date of reading:** 05/11/2003  
**Quality recognition:** No

**28** **Project title:** Nuevas Reacciones de Formación de Enlaces Carbono-Carbono Promovidas por Complejos de Zirconio  
**Type of project:** Minor thesis  
**Entity:** Universidad de Oviedo  
**Student:** José María Zapico Rodríguez  
**Date of reading:** 01/11/2002  
**Quality recognition:** No

## Scientific and technological experience

### Scientific or technological activities

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

- 1** **Name of the project:** Estrategias Sintéticas Sostenibles para la Halogenación Directa de Nitrocompuestos y la Preparación de Electrolitos Orgánicos para Baterías de Flujo Redox  
**Entity where project took place:** Universidad de Oviedo      **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Roberto Sanz Díez  
**Funding entity or bodies:** Junta de Castilla y León      **Type of entity:** Public  
**Code according to the funding entity:** BU0049P20  
**Start-End date:** 01/11/2020 - 31/10/2023  
**Total amount:** 264.000 €
- 2** **Name of the project:** Estrategias en Química Orgánica Sintética y Catálisis para la Generación de Diversidad y Complejidad Molecular  
**Entity where project took place:** Universidad de Oviedo      **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Name principal investigator (PI, Co-PI....):** Félix Rodríguez Iglesias; Alfonso Carlos Valdés Gómez  
**Nº of researchers:** 10  
**Funding entity or bodies:** Ministerio de Ciencia e Innovación      **Type of entity:** Public  
**Code according to the funding entity:** PID2019-107580GB-100



**Start-End date:** 01/06/2020 - 31/05/2023

**Total amount:** 217.800 €

- 3 Name of the project:** Desarrollo de Nueva Metodología en Síntesis Orgánica: Aplicación a la Preparación de Moléculas con Actividad Biológica y a la Valorización de la Biomasa

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Roberto Sanz Díez

**Funding entity or bodies:**

Junta de Castilla y León

**Type of entity:** Public

**Code according to the funding entity:** BU291P18

**Start-End date:** 01/07/2018 - 31/10/2021

**Total amount:** 12.000 €

- 4 Name of the project:** Síntesis Química Aplicada a la Preparación de Moléculas de Interés en Biomedicina

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**City of entity:** Oviedo, Principality of Asturias, Spain

**Name principal investigator (PI, Co-PI....):** Félix Rodríguez Iglesias

**Nº of researchers:** 14

**Funding entity or bodies:**

Consejería de Industria, Comercio y Turismo del Principado de Asturias

**Type of entity:** Public

**City funding entity:** Oviedo, Principality of Asturias, Spain

**Code according to the funding entity:** IDI/2018/000231

**Start-End date:** 01/01/2018 - 31/12/2020

**Total amount:** 182.600 €

- 5 Name of the project:** Desarrollo de Nuevos Métodos Sintéticos para la Construcción Eficiente de Complejidad Molecular: Aplicaciones en la Síntesis de Moléculas de Alto Valor Añadido

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**City of entity:** Oviedo, Principality of Asturias, Spain

**Name principal investigator (PI, Co-PI....):** Félix Rodríguez Iglesias; Alfonso Carlos Valdés Gómez

**Nº of researchers:** 7

**Funding entity or bodies:**

Ministerio de Economía y Competitividad

**City funding entity:** Spain

**Code according to the funding entity:** CTQ2016-76794-P

**Start-End date:** 30/12/2016 - 29/12/2019

**Total amount:** 254.100 €

- 6 Name of the project:** Nuevos Métodos en Síntesis: Aplicaciones en la Industria Farmacéutica y en la Valorización de la Lignina y Biopolioles

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Roberto Sanz Díez

**Funding entity or bodies:**

Junta de Castilla y León

**Type of entity:** Public

**Code according to the funding entity:** BU076U16



**Start-End date:** 01/08/2016 - 30/06/2018

**Total amount:** 120.000 €

**7 Name of the project:** Catálisis con Complejos Metálicos: Aplicaciones en Síntesis Orgánica y en la Valorización del Glicerol

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**City of entity:** Oviedo, Spain

**Name principal investigator (PI, Co-PI....):** Roberto Sanz Díez

**Funding entity or bodies:**

Junta de Castilla y León

**Type of entity:** Public

**Code according to the funding entity:** BU237U13

**Start-End date:** 01/01/2013 - 31/10/2016

**Total amount:** 35.000 €

**8 Name of the project:** Nuevos Métodos de Síntesis Química para la Construcción Eficiente y Selectiva de Compuestos de Alto Valor Añadido

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Francisco Javier Fañanás Vizcarra

**Nº of researchers:** 16

**Funding entity or bodies:**

Ministerio de Economía y Competitividad

**City funding entity:** Spain

**Code according to the funding entity:** CTQ2013-41336-P

**Start date:** 01/01/2014

**Duration:** 3 years

**Total amount:** 375.100 €

**Relevant results:** Investigador

**9 Name of the project:** Estrategias Sintéticas para la Construcción Eficiente y Sostenible de Complejidad Molecular: Nuevos Conceptos en Catálisis y en Reacciones de Acoplamiento Cruzado Libres de Metal

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Francisco Javier Fañanás Vizcarra

**Nº of researchers:** 18

**Funding entity or bodies:**

Ministerio de Economía y Competitividad

**Type of entity:** State agency

**City funding entity:** Spain

**Code according to the funding entity:** MICINN-10-CTQ2010-16790

**Start date:** 01/01/2011

**Duration:** 3 years

**Total amount:** 469.480 €

**Relevant results:** Investigador/a

**10 Name of the project:** Desarrollo de Nuevas Tecnologías Catalíticas en Síntesis Orgánica

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Roberto Sanz Díez



**Nº of researchers:** 8

**Funding entity or bodies:**

Junta de Castilla y León

**Type of entity:** Agencia Regional

**City funding entity:** Castile and León, Spain

**Code according to the funding entity:** BU021A09

**Start date:** 01/01/2009

**Duration:** 3 years

**Total amount:** 60.130 €

**Relevant results:** Investigador

**11 Name of the project:** Nuevas Metodologías de Síntesis Basadas en la Activación de Moléculas Orgánicas con Metales de Transición y Reactivos de Yodo

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Fernando Aznar Gómez

**Nº of researchers:** 30

**Funding entity or bodies:**

Consejería de Educación y Cultura del Principado de Asturias **Type of entity:** Agencia Regional

**City funding entity:** Principality of Asturias, Spain

**Code according to the funding entity:** FC-08-IB08-088

**Start date:** 01/12/2008

**Duration:** 2 years - 1 month

**Total amount:** 88.770 €

**Relevant results:** Investigador/a

**12 Name of the project:** Procesos Estequiométricos y Catalíticos con Reactivos Electrófilos: Avance en el Diseño de Metodologías Sintéticas Eficientes Basadas en Metales de Transición y Yodo

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** José Barluenga Mur

**Nº of researchers:** 42

**Funding entity or bodies:**

Ministerio de Educación Cultura y Deporte **Type of entity:** State agency

**City funding entity:** Spain

**Code according to the funding entity:** MEC-07-CTQ2007-61048

**Start date:** 01/12/2007

**Duration:** 3 years

**Total amount:** 1.452.000 €

**Relevant results:** Investigador/a

**13 Name of the project:** Desarrollo de Nuevas Reacciones de Carbolitiación y su Aplicación en Síntesis Orgánica

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Roberto Sanz Díez

**Nº of researchers:** 7

**Funding entity or bodies:**

Junta de Castilla y León **Type of entity:** Agencia Regional

**City funding entity:** Valladolid, Castile and León, Spain





**Code according to the funding entity:** BU012A06

**Start date:** 01/01/2006

**Duration:** 3 years

**Total amount:** 15.600 €

**Relevant results:** Investigador

**14 Name of the project:** Nuevas Metodologías Sintéticas con Metales de Transición y Yodo. Creación de Enlaces Carbono-Carbono y Carbono-Heteroátomo

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** José Barluenga Mur

**Nº of researchers:** 24

**Funding entity or bodies:**

Consejería de Educación y Cultura del Principado de Asturias **Type of entity:** Agencia Regional

**City funding entity:** Principality of Asturias, Spain

**Code according to the funding entity:** FC-05-IB-136

**Start date:** 01/12/2005

**Duration:** 2 years - 1 month

**Total amount:** 137.834,68 €

**Relevant results:** Investigador/a

**15 Name of the project:** Cofinanciación de MEC-04-CTQ2004-08077-C02-01: Reactivos Organometálicos y de Yodo: Estrategias de Futuro en la Síntesis de Moléculas Simples de Interés, de Moléculas con Elevada Complejidad Estructural y de Moléculas con Potencial Actividad Biológica

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** José Barluenga Mur

**Nº of researchers:** 21

**Funding entity or bodies:**

Consejería de Educación y Ciencia del Principado de Asturias

**City funding entity:** Principality of Asturias, Spain

**Code according to the funding entity:** FC-04-COF-55-INIA

**Start date:** 16/12/2004

**Duration:** 1 year - 11 months

**Total amount:** 64.502 €

**Relevant results:** Investigador/a

**16 Name of the project:** Reactivos Organometálicos y de Yodo: Estrategias de Futuro en la Síntesis de Moléculas Simples de Interés, de Moléculas con Elevada Complejidad Estructural y de Moléculas con Potencial Actividad Biológica

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** José Barluenga Mur

**Nº of researchers:** 25

**Funding entity or bodies:**

Ministerio de Educación y Ciencia

**Type of entity:** State agency

**City funding entity:** Spain

**Code according to the funding entity:** MEC-04-CTQ2004-08077-C02-01

**Start date:** 15/12/2004

**Duration:** 3 years



**Total amount:** 688.000 €

**Relevant results:** Miembro del equipo investigador.

- 17** **Name of the project:** Catalizadores Multifuncionales y Reacciones Multicomponente Promovidas por Metales de Transición Orientadas a la Síntesis de Carbo- y Heterociclos  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Alfonso Carlos Valdés Gómez  
**Nº of researchers:** 6  
**Funding entity or bodies:** Fundación Ramón Areces **Type of entity:** Foundation  
**City funding entity:** Madrid, Community of Madrid, Spain  
**Code according to the funding entity:** Fundación Ramón Areces  
**Start date:** 01/11/2004 **Duration:** 3 years  
**Total amount:** 120.000 €  
**Relevant results:** Investigador
- 18** **Name of the project:** Complejos Carbeno de Fischer en Reacciones de Acoplamiento de Varios Componentes. Aplicaciones en Síntesis de Productos Naturales.  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** José Barluenga Mur  
**Nº of researchers:** 2  
**Funding entity or bodies:** Ministerio de Ciencia y Tecnología **Type of entity:** State agency  
**City funding entity:** Spain  
**Code according to the funding entity:** CAJAL-01-02  
**Start date:** 01/11/2002 **Duration:** 5 years  
**Relevant results:** Coordinador del proyecto total, red o consorcio
- 19** **Name of the project:** Estudio y Desarrollo de Nuevas Reacciones de Carbolitiación. Aplicación a la Síntesis de Compuestos de Interés Biológico y de Moléculas Ópticamente Activas  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Roberto Sanz Díez  
**Nº of researchers:** 2  
**Funding entity or bodies:** Junta de Castilla y León **Type of entity:** Regional  
**City funding entity:** Valladolid, Castile and León, Spain  
**Code according to the funding entity:** BU24/02  
**Start date:** 01/01/2002 **Duration:** 2 years  
**Total amount:** 26.108 €  
**Relevant results:** Investigador





**20** **Name of the project:** Heterosubstituted Carbanions: Structure, Reactivity and Synthetic Applications  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** José Barluenga Mur  
**Nº of researchers:** 2  
**Funding entity or bodies:** European Commission **Type of entity:** Marie-Curie Fellowship  
**Code according to the funding entity:** UE-02-HPMFCT0101251  
**Start date:** 01/01/2002 **Duration:** 1 year  
**Relevant results:** Coordinador del proyecto total, red o consorcio

**21** **Name of the project:** Búsqueda de Nuevos Modelos de Reactividad. Síntesis Enantioselectivas en Disolución y en Fase Sólida y Aplicaciones Potenciales en Química Biológica  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** José Barluenga Mur  
**Nº of researchers:** 25  
**Funding entity or bodies:** Ministerio de Ciencia y Tecnología **Type of entity:** State agency  
**City funding entity:** Spain  
**Code according to the funding entity:** MCT-01-BQU-3853  
**Start date:** 28/12/2001 **Duration:** 3 years  
**Total amount:** 727.356,86 €  
**Relevant results:** Investigador/a

### R&D non-competitive contracts, agreements or projects with public or private entities

**1** **Name of the project:** Funcionalización Selectiva de Naftaleno por Activación de Enlaces C-H  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Name principal investigator (PI, Co-PI....):** Félix Rodríguez Iglesias  
**Nº of researchers:** 4  
**Participating entity/entities:** Universidad de Oviedo  
**Funding entity or bodies:** Industrial Química del Nalón, S.A. **Type of entity:** Business  
**City funding entity:** Oviedo, Principality of Asturias, Spain  
**Start date:** 01/10/2010 **Duration:** 4 years  
**Total amount:** 100.000 €

**2** **Name of the project:** Desarrollo de Nuevas Metodologías en Dilución Isotópica Orgánica para la Determinación de  $\delta$ -Agonistas Mediante Marcaje Mínimo en  $^{13}\text{C}$   
**Degree of contribution:** Coordinator of total project, network or consortium  
**Name principal investigator (PI, Co-PI....):** Félix Rodríguez Iglesias  
**Nº of researchers:** 3  
**Participating entity/entities:** Universidad de Oviedo  
**Funding entity or bodies:** ISC Science S.L. **Type of entity:** Business  
**City funding entity:** Oviedo, Principality of Asturias, Spain

**Start date:** 01/01/2010  
**Total amount:** 60.000 €

**Duration:** 2 years

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1 Olaya García-Pedrero; Félix Rodríguez. Cationic Cyclization Reactions with Alkyne Terminating Groups: a Useful Tool in Biomimetic Synthesis. *Chemical Communications*. 58, pp. 1089 - 1099. The Royal Society of Chemistry, 2022.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 2 Cintia Virumbrales; Mahmoud A. E. A. A. El-Remaly; Samuel Suárez-Pantiga; Manuel A. Fernández-Rodríguez; Félix Rodríguez; Roberto Sanz. Gold(I) Catalysis Applied to the Stereoselective Synthesis of Indeno[2,1-b]thiochromene Derivatives and Seleno Analogues. *Organic Letters*. 24, pp. 8077 - 8082. American Chemical Society, 2022.  
**Type of production:** Scientific paper **Format:** Journal
- 3 Rubén Rubio-Presa; Olaya García-Pedrero; Pablo López-Matanza; Pablo Barrio; Félix Rodríguez. Dihalogenation of Alkenes Using Combinations of N-Halosuccinimides and Alkali Metal Halides. *European Journal of Organic Chemistry*. pp. 4762 - 4766. Wiley-VCH, 2021.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 4 Lara Cala; Olaya García-Pedrero; Rubén Rubio-Presa; Francisco J. Fañanás; Félix Rodríguez. Generation of Alkoxy sulfonyl Radicals from Chlorosulfates and their Intramolecular Capture with Alkynes to Obtain Sultones. *Chemical Communications*. 56, pp. 13425 - 13428. Royal Society of Chemistry, 2020.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 5 Lara Cala; Pedro Villar; Angel R. de Lera; Francisco J. Fañanás; Rosana Álvarez; Félix Rodríguez. Multicomponent and Multicatalytic Asymmetric Synthesis of Furo[2,3-b]pyrrole derivatives: further Insights into the Mode of Action of Chiral Phosphoric Acid Catalysts. *Chemical Science*. 11, pp. 9181 - 9190. Royal Society of Chemistry, 2020.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 6 Lara Cala; Rubén Rubio-Presa; Olaya García-Pedrero; Francisco J. Fañanás; Félix Rodríguez. Synthesis of Spirocyclic Compounds by a Ring-Expansion / Cationic Cyclization Cascade Reaction of Chlorosulfate Derivatives. *Organic Letters*. 22, pp. 3846 - 3849. American Chemical Society, 2020.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 7 Lara Cala; Iván Rivilla; Fernando P. Cossío; Francisco J. Fañanás; Félix Rodríguez. Synthesis of Sultones from Chlorosulfates by a Complex Cascade Reaction Occurring under Mild Thermal Conditions. *Chemistry-A European Journal*. 25, pp. 13083 - 13087. Wiley-VCH, 2019.



**Type of production:** Scientific paper  
**Corresponding author:** Yes

**Format:** Journal

- 8** Patricia Fernández; Carlos Valdés; Francisco J. Fañanás; Félix Rodríguez. Unusual Reactivity of Isoquinolinones Generated by Silver-Catalyzed Cycloisomerizations of Imines Derived from ortho-Alkynylsalicylaldehydes. *Journal of Organic Chemistry*. 84, pp. 3184 - 3191. American Chemical Society, 2019.

**Type of production:** Scientific paper  
**Corresponding author:** Yes

**Format:** Journal

- 9** Raquel Fontaneda; Francisco J. Fañanás; Félix Rodríguez. Construction of a Diverse Set of Terpenoid Decalin Subunits from a Common Enantiomerically Pure Scaffold Obtained by a Biomimetic Cationic Cyclization. *Chemical Communications*. 54, pp. 11025 - 11028. The Royal Society of Chemistry, 2018.

**Type of production:** Scientific paper  
**Corresponding author:** Yes

**Format:** Journal

- 10** Patricia Fernández; Pedro Alonso; Francisco J. Fañanás; Félix Rodríguez. Simultaneous Generation and Subsequent Cycloaddition of ortho-Quinonemethides and Cyclic Enecarbamates Promoted by a Gold/Lewis Acid Catalytic System. *European Journal of Organic Chemistry*. pp. 3957 - 3964. Wiley-VCH, 2018.

**Type of production:** Scientific paper  
**Corresponding author:** Yes

**Format:** Scientific and technical document or report

- 11** Pedro Alonso; Raquel Fontaneda; Pilar Pardo; Francisco J. Fañanás; Félix Rodríguez. Synthesis of Cyclohexanones through a Catalytic Cationic Cyclization of Alkyls or Enynes. *Organic Letters*. 20, pp. 1659 - 1662. American Chemical Society, 2018.

**Type of production:** Scientific paper  
**Corresponding author:** Yes

**Format:** Journal

- 12** Patricia Fernández; Francisco J. Fañanás; Félix Rodríguez. Nitrogenated Azaphilone Derivatives through a Silver-Catalysed Reaction of Imines from ortho-Alkynylbenzaldehydes. *Chemistry-A European Journal*. 23, pp. 3002 - 3006. Wiley-VCH, 2017. ISSN 0947-6539

**Type of production:** Scientific paper  
**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** -

- 13** Pedro Alonso; Pilar Pardo; Raquel Fontaneda; Francisco Javier Fañanás; Félix Rodríguez. Synthesis and Applications of Cyclohexenyl Halides Obtained by a Cationic Carbocyclisation Reaction. *Chemistry-A European Journal*. 23, pp. 13158 - 13163. Wiley-VCH, 2017. ISSN 0947-6539

**Type of production:** Scientific paper

**Format:** Journal

**Degree of contribution:** Author or co-author of scientific or technical document for the general public

**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** -

- 14** Patricia García García; Ana M. Sanjuán; Muhammad A. Rashid; Alberto Martínez Cuezva; Manuel A. Fernández Rodríguez; Félix Rodríguez; Roberto Sanz. Synthesis of Functionalized 1H-Indenes and Benzofulvenes through Iodocyclization of o-(Alkynyl)styrenes. *Journal of Organic Chemistry*. 82, pp. 1155 - 1165. American Chemical Society, 2017.

**Type of production:** Scientific paper



- 15** Tamara Arto; Inés Sáenz de Santa María; María Dolores Chiara; Francisco J. Fañanás; Félix Rodríguez. *Berkelic Acid: Straightforward Analogue Synthesis and Studies of Activity Against Selected Cancer Cell Lines*. *European Journal of Organic Chemistry*. pp. 5876 - 5880. Wiley-VCH, 2016.  
**Type of production:** Scientific paper  
**Corresponding author:** Yes
- 16** Tamara Arto; Patricia Fernández; Francisco J. Fañanás; Félix Rodríguez. *Complex Chromene Derivatives through a Silver-Catalysed Cascade Reaction of Simple o-Alkynylsalicylaldehydes and Alkenes*. *Chemical Communications*. 52, pp. 13405 - 13408. The Royal Society of Chemistry, 2016.  
**Type of production:** Scientific paper  
**Corresponding author:** Yes
- 17** Alicia Galván; Adán B. González-Pérez; Rosana Álvarez; Angel R. de Lera; Francisco J. Fañanás; Félix Rodríguez. *Exploiting the Multidentate Nature of Chiral Disulfonimides in a Multicomponent Reaction for the Asymmetric Synthesis of Pyrrolo[1,2-a]indoles: A Remarkable Case of Enantioinversion*. *Angewandte Chemie International Edition*. 55, pp. 3428 - 3432. (Germany): Wiley-VCH, 2016. ISSN 1433-7851  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 18** Tamara Arto; Francisco J. Fañanás; Félix Rodríguez. *Gold(I)-Catalysed Generation of the Two Components of a Formal [4+2]-Cycloaddition Reaction Aimed to the Synthesis of Tetracyclic Pyrano[2,3,4-de]chromenes*. *Angewandte Chemie International Edition*. 55, pp. 0000 - 0000. (Germany): Wiley-VCH, 2016. ISSN 1433-7851  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 19** Susana Castro; Juan J. Fernández; Francisco J. Fañanás; Rubén Vicente; Félix Rodríguez Iglesias. *Manganese-Mediated C-H Alkylation of Unbiased Arenes Using Alkylboronic Acids*. *Chemistry-A European Journal*. 22, pp. 0000 - 0000. (Germany): Wiley-VCH, 2016. ISSN 0947-6539  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 20** Alicia Galván; Francisco J. Fañanás; Félix Rodríguez Iglesias. *Multicomponent and Multicatalytic Reactions - A Synthetic Strategy Inspired by Nature*. *European Journal of Inorganic Chemistry*. -, pp. 1306 - 1313. (Germany): Wiley-VCH, 2016. ISSN 1099-0682  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -



- 21** Raquel Fontaneda; Pedro Alonso; Francisco J. Fañanás; Félix Rodríguez. Scalable Synthesis of the Amber Odorant 9-epi-Ambrox through a Biomimetic Cationic Cyclization/Nucleophilic Bromination Reaction. *Organic Letters*. 18, pp. 4626 - 4629. American Chemical Society, 2016.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 22** Alicia Galván; Raquel Fontaneda; Francisco J. Fañanás; Félix Rodríguez. Stereoselective Synthesis of Pyrroloquinolines by a Brønsted Acid Catalyzed [4+2]-Heterocyclization of Indole-7-Carbaldehydes, Anilines and Electron Rich Alkenes. *Advanced Synthesis & Catalysis*. 358, pp. 0000 - 0000. (Germany): Wiley-VCH, 2016. ISSN 1615-4169  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 23** Ana M. Sanjuán; Muhammad A. Rashid; Patricia García-García; Alberto Martínez; Manuel A. Fernández-Rodríguez; Félix Rodríguez Iglesias; Roberto Sanz. Gold(I)-Catalyzed Cycloisomerizations and Alkoxy cyclizations of ortho-(Alkynyl)styrenes. *Chemistry-A European Journal*. 21, pp. 3042 - 3052. (Germany): Wiley-VCH, 2015. ISSN 0947-6539  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** No  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 24** Mario Fernández-Fernández; Pablo Rodríguez-González; M. Elena Añón-Alvarez; Félix Rodríguez Iglesias; Francisco V. Álvarez-Menéndez; J. Ignacio García-Alonso. Simultaneous Determination of Creatinine and Creatine in Human Serum by Double-Spike Isotope Dilution Liquid Chromatography-Tandem Mass Spectrometry(LC-MS/MS) and Gas Chromatography-Mass Spectrometry (GC-MS). *Analytical Chemistry*. 87, pp. 3755 - 3763. (United States of America): American Chemical Society, 2015. ISSN 0003-2700  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 25** Alicia Galván; Jonás Calleja; Adán B. González-Pérez; Rosana Álvarez; Angel R. de Lera; Francisco J. Fañanás; Félix Rodríguez Iglesias. Stereoselective [3+2] Carbocyclization of Indole-Derived Imines and Electron-Rich Alkenes: A Divergent Synthesis of Cyclopenta[b]indole or Tetrahydroquinoline Derivatives. *Chemistry-A European Journal*. 21, pp. 16769 - 16774. (Germany): Wiley-VCH, 2015. ISSN 0947-6539  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 26** Pedro Alonso; Pilar Pardo; Alicia Galván; Francisco J. Fañanás; Félix Rodríguez. Synthesis of Cyclic Alkenyl Triflates by a Cationic Cyclization Reaction and its Application in Biomimetic Polycyclizations and Synthesis of Terpenes. *Angewandte Chemie International Edition*. 54, pp. 15506 - 15510. (Germany): Wiley-VCH, 2015. ISSN 1433-7851





**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -

- 27** Alicia Galván; Jonás Calleja; Francisco J. Fañanás; Félix Rodríguez. Synthesis of Pyrrolidine Derivatives by a Platinum/Bronsted Acid Relay Catalytic Cascade Reaction. *Chemistry-A European Journal*. 21, pp. 3409 - 3414. (Germany): Wiley-VCH, 2015. ISSN 0947-6539

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -

- 28** Tamara Arto; Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez. (-)-Berkelic Acid: Lessons Learned from our Investigations on a Scalable Total Synthesis. *Strategies and Tactics in Organic Synthesis*. 10, pp. 33 - 50. (Spain): Elsevier Science, 2014.

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes

- 29** Pedro Alonso; Pilar Pardo; Francisco J. Fañanás; Félix Rodríguez. A Fast, Efficient and Simple Method for the Synthesis of Cyclic Alkenyl Fluorides by a Fluorinative Carbocyclization Reaction. *Chemical Communications*. 50, pp. 14364 - 14366. (United Kingdom): The Royal Society of Chemistry, 2014. ISSN 1359-7345

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 6.834

- 30** Jonás Calleja; Adán González-Pérez; Ángel R. de Lera; Rosana Álvarez; Francisco J. Fañanás; Félix Rodríguez. Enantioselective Synthesis of Hexahydrofuro[3,2-c]quinolines through a Multicatalytic and Multicomponent Process. A New "Aromatic Sandwich" Model for BINOL-Phosphoric Acid Catalyzed Reactions. *Chemical Science*. 5, pp. 996 - 1007. (United Kingdom): The Royal Society of Chemistry, 2014. ISSN 2041-6520

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 9.211

- 31** Lara Cala; Francisco J. Fañanás; Félix Rodríguez. Enantioselective Synthesis of Spiroacetals: the Conquest of a Long-sought Goal in Asymmetric Catalysis. *Organic & Biomolecular Chemistry*. 12, pp. 5324 - 5330. (United Kingdom): The Royal Society of Chemistry, 2014.

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 3.568



- 32** Lara Cala; Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez. A Catalytic Multicomponent Coupling Reaction for the Enantioselective Synthesis of Spiroacetals. *Chemical Communications*. 49, pp. 2715 - 2717. (United Kingdom): The Royal Society of Chemistry, 2013. ISSN 1359-7345  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 6.718
- 33** Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez. Asymmetric Halocyclization of Unsaturated Compounds. An Overview and Recent Developments. *Current Organic Synthesis*. 10, pp. 384 - 393. (India): Bentham Science Publishers, 2013. ISSN 1570-1794  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of review  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 2.439
- 34** Alicia Galván; Jonás Calleja; Francisco J. Fañanás; Félix Rodríguez. Catalytic Generation and Selective Heterocoupling of Two Electron-Rich Alkenes. *Angewandte Chemie International Edition*. 52, pp. 6038 - 6042. (Germany): Wiley-VCH, 2013. ISSN 1433-7851  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 35** Félix Rodríguez; Francisco J. Fañanás. Constructing Molecular Complexity from Alkynol Derivatives: A Journey from Fischer Carbene Complexes to Tandem Catalysis with Gold and other Carbophilic Lewis Acids. *Synlett*. 24, pp. 1757 - 1771. (Germany): Georg Thieme Verlag, 2013. ISSN 0936-5214  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of review  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** -
- 36** Pilar Pardo; Amadeo Fernández; Francisco J. Fañanás; Félix Rodríguez. A New Mode of Cyclization of Enynes: Synthesis of Cycloalkyl Ketones through a Platinum-Catalyzed Hydrative Cycloisomerization Reaction. *Advanced Synthesis & Catalysis*. 354, pp. 2141 - 2145. Wiley-VCH, 2012. ISSN 1615-4169  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 5.535
- 37** Susana Castro; Juan J. Fernández; Rubén Vicente; Francisco J. Fañanás; Félix Rodríguez. Base- and Metal-Free C—H Direct Arylations of Naphthalene and Other Unbiased Arenes with Diaryliodonium Salts. *Chemical Communications*. 48, pp. 9089 - 9091. The Royal Society of Chemistry, 2012. ISSN 1359-7345



**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 6.378

- 38** Francisco J. Fañanás; Abraham Mendoza; Tamara Arto; Baris Temelli; Félix Rodríguez. Scalable Total Synthesis of (-)-Berkelic Acid Using a Protecting-Group-Free Strategy. *Angewandte Chemie International Edition*. 51, pp. 4930 - 4933. Wiley-VCH, 2012. ISSN 1521-3773

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 13.734

- 39** Estela Álvarez; Delia Miguel; Patricia García-García; Manuel A. Fernández-Rodríguez; Félix Rodríguez; Roberto Sanz. Synthesis of 2-Indol-3-ylbenzofulvenes through a Tandem Reaction Catalyzed by Cationic Gold(I) Complexes. *Synthesis-Stuttgart*. 44, pp. 1874 - 1884. Georg Thieme Verlag, 2012. ISSN 0039-7881

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 2.50

- 40** Estela Álvarez; Delia Miguel; Patricia García-García; Manuel A. Fernández-Rodríguez; Félix Rodríguez; Roberto Sanz. Solvent- and Ligand-Induced Switch of Selectivity in Gold(I)-Catalyzed Tandem Reactions of 3-Propargylindoles. *Beilstein Journal of Organic Chemistry*. 7, pp. 786 - 793. (Germany): Beilstein-Institut zur Förderung der Chemischen Wissenschaften, 2011. ISSN 1860-5397

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 2.517

- 41** Francisco J. Fañanás; Tamara Arto; Abraham Mendoza; Félix Rodríguez. Synthesis of 2,5-Dihydropyridine Derivatives by Gold-Catalyzed Reactions of beta-Ketoesters and Propargylamines. *Organic Letters*. 13, pp. 4184 - 4187. American Chemical Society, 2011. ISSN 1523-7060

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 5.862

- 42** Roberto Sanz; Delia Miguel; Alberto Martínez; Mukut Gohain; Patricia García García; Manuel A. Fernández-Rodríguez; Estela Álvarez; Félix Rodríguez. Brønsted Acid Catalyzed Alkylation of Indoles with Tertiary Propargylic Alcohols: Scope and Limitations. *European Journal of Organic Chemistry*. -, pp. 7027 - 7039. (Germany): Wiley-VCH, 2010. ISSN 1434-193X

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
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**Impact index in year of publication:** 3.210





- 43** Alberto Martínez; Patricia García-García; Manuel A. Fernández-Rodríguez; Félix Rodríguez; Roberto Sanz. Gold(I)-Catalyzed Enantioselective Synthesis of Functionalized Indenes. *Angewandte Chemie International Edition*. 49, pp. 4633 - 4637. Wiley-VCH, 2010. ISSN 1433-7851  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 12.730
- 44** Roberto Sanz; Alberto Martínez; Patricia García-García; Manuel A. Fernández-Rodríguez; Muhammad A. Rashid; Félix Rodríguez. Halocyclization of o-(Alkynyl)styrenes. *Synthesis of 3-Halo-1H-indenes*. *Chemical Communications*. 46, pp. 7427 - 7429. The Royal Society of Chemistry, 2010. ISSN 0022-4936  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 5.790
- 45** Roberto Sanz; Delia Miguel; Mukut Gohain; Patricia García-García; Manuel A. Fernández-Rodríguez; Adán González-Pérez; Olalla Nieto-Faza; Ángel R. de Lera; Félix Rodríguez. Synthesis of Diverse Indole-Containing Scaffolds by Gold(I)-Catalyzed Tandem Reactions of 3-Propargylindoles Initiated by 1,2-Indole Migrations: Scope and Computational Studies. *Chemistry-A European Journal*. 16, pp. 9818 - 9828. Wiley-VCH, 2010. ISSN 0947-6539  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 5.480
- 46** José Barluenga; Jonás Calleja; Abraham Mendoza; Félix Rodríguez; Francisco J. Fañanás. Synthesis of Polycyclic Compounds by a Cascade Cycloisomerisation/Diels-Alder Reaction. *Chemistry-A European Journal*. 16, pp. 7110 - 7112. Wiley-VCH, 2010. ISSN 0947-6539  
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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 5.480
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**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 5.380

- 49** José Barluenga; Abraham Mendoza; Félix Rodríguez; Francisco J. Fañanás. A Palladium(II)-Catalyzed Synthesis of Spiroacetals through a One-Pot Multicomponent Cascade Reaction. *Angewandte Chemie International Edition*. 48, pp. 1644 - 1647. Wiley-VCH, 2009. ISSN 1433-7851

**Type of production:** Scientific paper

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**Impact index in year of publication:** 11.829

- 50** Francisco J. Fañanás; Amadeo Fernández; Deniz Cevik; Félix Rodríguez. An Expedient Synthesis of Bruguirol A. *Journal of Organic Chemistry*. 74, pp. 932 - 934. American Chemical Society, 2009. ISSN 0022-3263

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** 4.220

- 51** José Barluenga; Amadeo Fernández-Rodríguez; Alejandro Diéguez; Félix Rodríguez; Francisco J. Fañanás. Gold- or Platinum-Catalyzed Cascade Processes of Alkynol Derivatives Involving Hydroalkoxylation Reactions Followed by Prins-Type Cyclizations. *Chemistry - A European Journal*. 15, pp. 11660 - 11667. Wiley-VCH, 2009. ISSN 0947-6539

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 5.380

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**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of review

**Impact source:** ISI

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- 53** Roberto Sanz; Mukut Gohain; Delia Miguel; Alberto Martínez; Félix Rodríguez. Synthesis of 3-Allenylindoles and 3-Dienylindoles by Brønsted Acid Catalyzed Allenylation of 2-Arylindoles with Tertiary Propargylic Alcohols. *Synlett*. -, pp. 1985 - 1989. Georg Thieme Verlag, 2009. ISSN 0936-5214

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

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- 54** José Barluenga; Amadeo Fernández; Félix Rodríguez; Francisco J. Fañanás. Synthesis of Bis(indolyl)alkanes by a Site-Selective Gold-Catalyzed Addition of Indoles to Butynol Derivatives. *Journal of Organometallic Chemistry*. 694, pp. 546 - 550. Elsevier Science, 2009. ISSN 0022-328X



**Type of production:** Scientific paper  
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**Impact index in year of publication:** 2.350

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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of review  
**Corresponding author:** Yes  
**Impact source:** ISI  
**Impact index in year of publication:** 3.020

- 57** Roberto Sanz; Delia Miguel; Félix Rodríguez. Gold(I)-Catalyzed Tandem Reactions Initiated by 1,2-Indole Migrations. *Angewandte Chemie International Edition.* 47, pp. 7354 - 7357. Wiley-VCH, 2008. ISSN 1433-7851

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 10.880

- 58** José Barluenga; Abraham Mendoza; Félix Rodríguez; Francisco J. Fañanás. Synthesis of Furoquinolines by a One-Pot Multicomponent Cascade Reaction Catalyzed by Platinum Complexes. *Chemistry - A European Journal.* 14, pp. 10892 - 10895. (Germany): Wiley-VCH, 2008. ISSN 0947-6539

**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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- 60** José Barluenga; Amadeo Fernández; Amaya Satrústegui; Alejandro Diéguez; Félix Rodríguez; Francisco J. Fañanás. Tandem Intramolecular Hydroalkoxylation-Hydroarylation Reactions: Synthesis of Enantiopure Benzofused Cyclic Ethers from the Chiral Pool. *Chemistry - A European Journal*. 14, pp. 4153 - 4156. Wiley-VCH, 2008. ISSN 0947-6539  
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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 5.130
- 62** Roberto Sanz; Delia Miguel; Alberto Martínez; Julia M. Álvarez-Gutiérrez; Félix Rodríguez. Brønsted Acid-Catalyzed Benzoylation of 1,3-Dicarbonyl Derivatives. *Organic Letters*. 9, pp. 2027 - 2030. (United States of America): American Chemical Society, 2007. ISSN 1523-7060  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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- 65** Roberto Sanz; Alberto Martínez; Delia Miguel; Julia M. Álvarez-Gutiérrez; Félix Rodríguez. Synthesis of 1,5-Enynes by Brønsted Acid-Catalyzed Substitution of Propargylic Alcohols and One-Pot Synthesis of Bicyclo[3.1.0]hexenes. *Synthesis - Stuttgart*. -, pp. 3252 - 3256. (Germany): Georg Thieme Verlag, 2007. ISSN 0039-7881  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI



**Impact index in year of publication:** 2.260

- 66** José Barluenga; Lucía Álvarez-Rodrigo; Félix Rodríguez; Francisco J. Fañanás; Tomás L. Sordo; Pablo Campomanes. Synthesis of Cyclohexanol Derivatives by Zirconocene-Mediated Ring- Contraction Reactions of Seven-Membered Cyclic Enol Ethers. *Angewandte Chemie International Edition*. 46, pp. 2607 - 2609. (Germany): Wiley-VCH, 2007. ISSN 1433-7851  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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- 67** Roberto Sanz; Alberto Martínez; Verónica Guilarte; Julia M. Álvarez-Gutiérrez; Félix Rodríguez. The Ritter Reaction under Truly Catalytic Brønsted Acid Conditions. *European Journal of Organic Chemistry*. -, pp. 4642 - 4645. (Germany): Wiley-VCH, 2007. ISSN 1434-193X  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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- 68** Francisco J. Fañanás; Jorge Alonso; Félix Rodríguez. A Simple Procedure for the Synthesis of Functionalized 1,3-Butadienes and Cyclopentenones from Fischer Carbene Complexes. *Synlett*. -, pp. 2187 - 2190. (Germany): Georg Thieme Verlag, 2006. ISSN 0936-5214  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 2.840
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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
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**Impact index in year of publication:** 2.840
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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document





**Impact source:** ISI

**Impact index in year of publication:** 10.230

- 72** Roberto Sanz; Alberto Martínez; Julia M. Álvarez-Gutiérrez; Félix Rodríguez. Metal-Free Catalytic Nucleophilic Substitution of Propargylic Alcohols. *European Journal of Organic Chemistry.* -, pp. 1383 - 1386. (Germany): Wiley-VCH, 2006. ISSN 1434-193X

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 2.770

- 73** José Barluenga; Abraham Mendoza; Alejandro Diéguez; Félix Rodríguez; Francisco J. Fañanás. Umpolung Reactivity of Alkenyl Fischer Carbene Complexes, Copper Enolates, and Electrophiles. *Angewandte Chemie International Edition.* 45, pp. 4848 - 4850. (Germany): Wiley-VCH, 2006. ISSN 1433-7851

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 10.230

- 74** José Barluenga; Lucía Álvarez-Rodrigo; Félix Rodríguez; Francisco J. Fañanás. Zirconocene-Catalyzed Reactions of Alkenyl-Substituted Enol Ethers. *Angewandte Chemie International Edition.* 45, pp. 6362 - 6365. (Germany): Wiley-VCH, 2006. ISSN 1433-7851

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

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- 75** José Barluenga; Félix Rodríguez; Lucía Álvarez-Rodrigo; Francisco J. Fañanás. Coupling Reactions of Zirconocene Complexes and Heterosubstituted Alkenes. *Chemical Society Reviews.* 34, pp. 762 - 768. (United Kingdom): The Royal Society of Chemistry, 2005. ISSN 0306-0012

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**Impact source:** ISI

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- 76** Francisco J. Fañanás; Mónica Álvarez-Pérez; Félix Rodríguez. IPy2BF<sub>4</sub>-Mediated Rearrangement Reactions of 1,2-Difunctionalized Compounds and Olefins. *Chemistry - A European Journal.* 11, pp. 5938 - 5944. (Germany): Wiley-VCH, 2005. ISSN 0947-6539

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**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 4.910

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**Impact source:** ISI

**Impact index in year of publication:** 2.550

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**Degree of contribution:** Author or co-author of reserved scientific or technical document

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**Impact index in year of publication:** 2.690

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**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 7.420

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**Degree of contribution:** Author or co-author of reserved scientific or technical document

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- 81** Lisa T. Burke; Darren J. Dixon; Steven V. Ley; Félix Rodríguez. Total Synthesis of the Fusarium Toxin Equisetin. *Organic & Biomolecular Chemistry.* 3, pp. 274 - 280. (United Kingdom): The Royal Society of Chemistry, 2005. ISSN 1477-0520

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**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 2.550

- 82** José Barluenga; Alejandro Diéguez; Félix Rodríguez; Francisco J. Fañanás; Tomás L. Sordo; Pablo Campomanes. [W(CO)<sub>5</sub>]-Catalyzed endo- or exo-Cycloisomerization Reactions of 1,1- Disubstituted 4-Pentyn-1-ols: Experimental and Theoretical Studies. *Chemistry - A European Journal.* 11, pp. 5735 - 5741. (Germany): Wiley-VCH, 2005. ISSN 0947-6539

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**Impact index in year of publication:** 4.910

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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 9.160

- 84** Saverio Florio; Filippo M. Perna; Renzo Luisi; José Barluenga; Francisco J. Fañanás; Félix Rodríguez. Stereoselective Synthesis of Pentacarbonyl(3-oxa-2-bicyclo[3.2.1]hexylidene)- and Pentacarbonyl(cyclopropylmethoxymethylene)tungsten Compounds on the Route to Cyclopropane-gamma-lactones and -carboxylates. *Journal of Organic Chemistry*. 69, pp. 9204 - 9207. (United States of America): American Chemical Society, 2004. ISSN 0022-3263

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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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- 85** Steven V. Ley; Darren J. Dixon; Richard T. Guy; María A. Palomero; Alessandra Polara; Félix Rodríguez; Tom D. Sheppard. Studies on the Generation of Enolate Anions from Butane-2,3-diacetal Protected Glycolic Acid Derivatives and Subsequent Highly Diastereoselective Coupling Reactions with Aldehydes and Acid Chlorides. *Organic & Biomolecular Chemistry*. 2, pp. 3618 - 3627. (United Kingdom): The Royal Society of Chemistry, 2004. ISSN 1477-0520

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**Impact source:** ISI  
**Impact index in year of publication:** 2.190

- 86** Saverio Florio; Filippo M. Perna; Vito Capriati; Renzo Luisi; Claudia F. Martina; José Barluenga; Francisco J. Fañanás; Félix Rodríguez. Synthesis of alpha-Oxazolinyalkanamides. *Tetrahedron Letters*. 45, pp. 8027 - 8030. (Holland): Elsevier Science, 2004. ISSN 0040-4039

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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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- 87** Saverio Florio; Filippo M. Perna; Renzo Luisi; José Barluenga; Félix Rodríguez; Francisco J. Fañanás. Synthetic Approach to Substituted Cyclopropanes Based on the Coupling Reaction of Lithiated Chloroalkyloxazolines with Fischer Carbene Complexes. *Journal of Organic Chemistry*. 69, pp. 5480 - 5482. (United States of America): American Chemical Society, 2004. ISSN 0022-3263

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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
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**Impact index in year of publication:** 4.520

- 89** José Barluenga; Félix Rodríguez; Lucía Álvarez-Rodrigo; Francisco J. Fañanás. Zirconium-Mediated Cross-Coupling of Terminal Alkynes and Vinyl Bromides: Selective Synthesis of Cyclobutene and 1,3-Diene Derivatives. *Chemistry - A European Journal*. 10, pp. 101 - 108. (Germany): Wiley-VCH, 2004. ISSN 0947-6539  
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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
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- 91** Elena Díez; Darren J. Dixon; Steven V. Ley; Alessandra Polara; Félix Rodríguez. The Use of Butane Diacetals of Glycolic Acid as Precursors for the Synthesis of the Phytotoxic Calmodulin Inhibitor Herbarumin II. *Helvetica Chimica Acta*. 86, pp. 3717 - 3729. (Switzerland): Wiley-VCH, 2003. ISSN 0018-019X  
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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 1.860
- 92** José Barluenga; Mónica Álvarez-Pérez; Félix Rodríguez; Francisco J. Fañanás; José A. Cuesta; Santiago García-Granda. Total Diastereofacial Selective Iodofunctionalization of Terpene Derivatives Based on Ipy2BF<sub>4</sub>. *Journal of Organic Chemistry*. 68, pp. 6583 - 6586. (United States of America): American Chemical Society, 2003. ISSN 0022-3263  
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**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 3.300
- 93** Elena Díez; Darren J. Dixon; Steven V. Ley; Alessandra Polara; Félix Rodríguez. Total Synthesis of the Phytotoxic Agent Herbarumin II Using Butane Diacetals of Glycolic Acid as Building Blocks. *Synlett*. -, pp. 1186 - 1188. (Germany): Georg Thieme Verlag, 2003. ISSN 0936-5214  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document  
**Impact source:** ISI  
**Impact index in year of publication:** 2.740
- 94** Darren J. Dixon; Antonio Guarna; Steven V. Ley; Alessandra Polara; Félix Rodríguez. Highly Diastereoselective Ketone Aldol Reactions of Butane-2,3-diacetal Desymmetrized Glycolic Acid. *Synthesis-Stuttgart*. -, pp. 1973 - 1978. (Germany): Georg Thieme Verlag, 2002. ISSN 0039-7881  
**Type of production:** Scientific paper  
**Degree of contribution:** Author or co-author of reserved scientific or technical document



**Impact source:** ISI

**Impact index in year of publication:** 2.200

- 95** José Barluenga; Alejandro Diéguez; Félix Rodríguez; Josefa Flórez; Francisco J. Fañanás. One-Pot Enantioselective Formation of Eight-Membered Rings from Alkenyl Fischer Carbene Complexes and Ketone Enolates. *Journal of the American Chemical Society*. 124, pp. 9056 - 9057. (United States of America): American Chemical Society, 2002. ISSN 0002-7863

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 6.200

- 96** Steven V. Ley; Alessandro Massi; Félix Rodríguez; David C. Horwell; Russell A. Lewthwaite; Martyn C. Pritchard; Alison M. Reid. A New Phase-Switch Method for Application in Organic Synthesis Programs Employing Immobilisation through Metal Chelated Tagging. *Angewandte Chemie International Edition*. 40, pp. 1053 - 1055. (Germany): Wiley-VCH, 2001. ISSN 1433-7851

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 8.260

- 97** Darren J. Dixon; Steven V. Ley; Félix Rodríguez. Consecutive Three- and Four-Component Coupling Reactions with Anions Generated from a Butane Diacetal Desymmetrized Glycolic Acid Derivative. *Angewandte Chemie International Edition*. 40, pp. 4763 - 4765. (Germany): Wiley-VCH, 2001. ISSN 1433-7851

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 8.260

- 98** Darren J. Dixon; Steven V. Ley; Félix Rodríguez. Highly Diastereoselective Michael Addition Reactions of Butane-2,3-diacetal Desymmetrized Glycolic Acid. Preparation of alpha-Hydroxy-gamma-amino Acid Derivatives. *Organic Letters*. 3, pp. 3753 - 3755. (United States of America): American Chemical Society, 2001. ISSN 1523-7060

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 3.670

- 99** Lisa T. Burke; Darren J. Dixon; Steven V. Ley; Félix Rodríguez. A Short Stereoselective Total Synthesis of the Fusarium Toxin Equisetin. *Organic Letters*. 2, pp. 3611 - 3613. (United States of America): American Chemical Society, 2000. ISSN 1523-7060

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 3.370

- 100** Steven V. Ley; Félix Rodríguez. Deracemization of Baylis-Hillman Adducts. *Chemtracts-Organic Chemistry*. -, pp. 596 - 601. (United States of America): Data Trace Publishing Company, 2000. ISSN 0895-4445

**Type of production:** Scientific paper



**Degree of contribution:** Author or co-author of review

- 101** José Barluenga; Félix Rodríguez; Francisco J. Fañanás. Difluoroboroxymolibdenum Fischer Carbene Complexes as Precursors of Acyl Radicals: Dimerization and Trapping with Electron-Deficient Alkenes. *Chemistry - A European Journal*. 6, pp. 1930 - 1937. (Germany): Wiley-VCH, 2000. ISSN 0947-6539

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 4.700

- 102** José Barluenga; Jorge Alonso; Félix Rodríguez; Francisco J. Fañanás. Five- and Seven-Membered Rings from Alkenyl(methoxy)carbene Complexes and Methyl Ketone Enolates. *Angewandte Chemie International Edition*. 39, pp. 2460 - 2462. (Germany): Wiley-VCH, 2000. ISSN 1433-7851

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 8.550

- 103** José Barluenga; Félix Rodríguez; Jérôme Vadecard; Maximilian Bendix; Francisco J. Fañanás; Fernando López-Ortiz; Miguel A. Rodríguez. Intramolecular C-H Insertion Reactions of Boroxo Fischer Carbene Complexes. Regio- and Diastereoselective Modification of Terpenes. *Journal of the American Chemical Society*. 121, pp. 8776 - 8782. (United States of America): American Chemical Society, 1999. ISSN 0002-7863

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 5.720

- 104** José Barluenga; Félix Rodríguez; Francisco J. Fañanás; Eduardo Rubio. Regio- and Diastereoselective Aldol Products through Three-Component Coupling Reactions of Difluoroboroxy Fischer Carbene Molybdenum Complexes. *Angewandte Chemie International Edition*. 38, pp. 3084 - 3086. (Germany): Wiley-VCH, 1999. ISSN 1433-7851

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 8.0

- 105** José Barluenga; Félix Rodríguez; Francisco J. Fañanás. Difluoroboroxymolybdenum Fischer Carbene Complexes as Precursors of Acyl Radicals: Dimerization and Trapping with 3-Buten-2-one. *Organometallics*. 16, pp. 5384 - 5385. (United States of America): American Chemical Society, 1997. ISSN 0276-7333

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 3.230

- 106** José Barluenga; Alejandro Granados; Félix Rodríguez; Jérôme Vadecard; Francisco J. Fañanás. Unexpected Formation of 1,3-diols from Unsaturated Chromium Fischer Carbene Complexes and Borane. *Tetrahedron Letters*. 38, pp. 6465 - 6466. (Holland): Elsevier Science, 1997. ISSN 0040-4039

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document



**Impact source:** ISI

**Impact index in year of publication:** 2.50

- 107** José Barluenga; Félix Rodríguez; Jérôme Vadecard; Maximilian Bendix; Francisco J. Fañanás; Fernando López-Ortiz. Intramolecular C-H Insertion Reactions of Boroxo Fischer Carbene Complexes. *Journal of the American Chemical Society*. 118, pp. 6090 - 6091. (United States of America): American Chemical Society, 1996. ISSN 0002-7863

**Type of production:** Scientific paper

**Degree of contribution:** Author or co-author of reserved scientific or technical document

**Impact source:** ISI

**Impact index in year of publication:** 5.650

- 108** Félix Rodríguez; Francisco J. Fañanás. Handbook of Cyclization Reactions. Electrophilic Cyclizations. 2, pp. 951 - 990. (Germany): Wiley, 2010. ISBN 978-3-527-32088-2

**Type of production:** Book chapter

**Degree of contribution:** Author or co-author of chapter in book

- 109** Félix Rodríguez; Francisco J. Fañanás. Targets in Heterocyclic Systems-Chemistry and Properties. Metal-Catalyzed Electrophilic Cyclizations Reactions in the Synthesis of Heterocycles. 13, pp. 273 - 302. (United Kingdom): Royal Society of Chemistry-Springer, 2009. ISBN 978-88-86208-62-8

**Type of production:** Book chapter

**Degree of contribution:** Author or co-author of chapter in book

- 110** Francisco J. Fañanás; Félix Rodríguez. Encyclopedia of Reagents for Organic Synthesis. Hexacarbonyltungsten. (Germany): Wiley, 2008. ISBN 9780470842898

**Type of production:** Book chapter

**Degree of contribution:** Author or co-author of chapter in book

- 111** José Barluenga; Félix Rodríguez; Francisco J. Fañanás; Josefa Flórez. Metal Carbenes in Organic Synthesis. Cycloaddition Reactions of Group 6 Fischer Carbene Complexes. 13, pp. 59 - 121. (Germany): Springer-Verlag, 2004. ISBN 978-3-540-21833-3

**Type of production:** Book chapter

**Degree of contribution:** Author or co-author of chapter in book

## Works submitted to national or international conferences

- 1** **Title of the work:** Dihalogenation of Alkenes Using Combinations of N-Halosuccinimides and Alkali Metal Halides

**Name of the conference:** XXXVIII Reunión Bienal de la Real Sociedad Española de Química

**Type of participation:** 'Participatory - poster

**City of event:** Granada, Spain

**Date of event:** 27/06/2022

**Organising entity:** Real Sociedad Española de Química

**Type of entity:** Sociedad Científica

Olaya García-Pedrero; Paula Pérez-Ramos; Félix Rodríguez.

- 2** **Title of the work:** Dihalogenation of Alkenes Using Combinations of N-Halosuccinimides and Alkali Metal Halides

**Name of the conference:** XIII International School on Organometallic Chemistry "Marcial Moreno Mañas"

**Type of participation:** 'Participatory - poster

**City of event:** Santiago de Compostela, Spain

**Date of event:** 15/06/2022

**Organising entity:** Universidad de Santiago de Compostela

**Type of entity:** University

Olaya García-Pedrero; Paula Pérez-Ramos; Félix Rodríguez.

**3 Title of the work:** New Insights into Asymmetric Synthesis with Gold and Chiral Bronsted Acid Catalysts

**Name of the conference:** 7th Spanish Asymmetric Catalysis Network Symposium

**Type of participation:** Participatory - invited/keynote talk

**Corresponding author:** Yes

**City of event:** Hondarribia, Spain

**Date of event:** 04/10/2018

**Organising entity:** Universidad del País Vasco

**Type of entity:** University

Félix Rodríguez.

**4 Title of the work:** A Biomimetic Cationic Cyclization / Nucleophilic Bromination Reaction for the Synthesis of the Amber Odorant 9-epi-Ambrox

**Name of the conference:** Spanish-Japanese Symposium on Modern Synthetic Methodology

**Type of participation:** 'Participatory - poster

**City of event:** Gijón, Principality of Asturias, Spain

**Date of event:** 23/04/2017

**Organising entity:** Universidad de Oviedo / Instituto Catalán de Investigaciones Químicas (ICIQ)

Raquel Fontaneda; Pedro Alonso; Francisco J. Fañanás; Félix Rodríguez.

**5 Title of the work:** A Silver Catalysed Reaction of Imines of ortho-Alkynylbenzaldehydes for the Synthesis of Nitrogenated Azaphilone Derivatives

**Name of the conference:** Spanish-Japanese Symposium on Modern Synthetic Methodology

**Type of participation:** 'Participatory - poster

**City of event:** Gijón, Principality of Asturias, Spain

**Date of event:** 23/04/2017

**Organising entity:** Universidad de Oviedo / Instituto Catalán de Investigaciones Químicas (ICIQ)

Patricia Fernández; Francisco J. Fañanás; Félix Rodríguez.

**6 Title of the work:** Synthesis of Cyclohexenyl Halides through a Cationic Cyclization Reaction and its Application in the total Synthesis of Terpenes

**Name of the conference:** Spanish-Japanese Symposium on Modern Synthetic Methodology

**Type of participation:** 'Participatory - poster

**City of event:** Gijón, Principality of Asturias, Spain

**Date of event:** 23/04/2017

**Organising entity:** Universidad de Oviedo / Instituto Catalán de Investigaciones Químicas (ICIQ)

Pedro Alonso; Pilar Pardo; Raquel Fontaneda; Francisco J. Fañanás; Félix Rodríguez.

**7 Title of the work:** Divergent Catalyst-Dependent Reactivity of o-Alkynylsalicylaldehydes and Alkenes

**Name of the conference:** 11th Spanish-Italian Symposium on Organic Chemistry (SISOC 11)

**Type of participation:** 'Participatory - poster

**City of event:** San Sebastián, Basque Country, Spain

**Date of event:** 13/07/2016

**Organising entity:** Real Sociedad Española de Química / Società Chimica Italiana

Tamara Arto; Francisco J. Fañanás; Félix Rodríguez; Patricia Fernández.





- 8** **Title of the work:** Synthesis of Cyclic Alkyl Triflates by a Cationic Cyclization Reaction  
**Name of the conference:** 11th Spanish-Italian Symposium on Organic Chemistry (SISOC 11)  
**Type of participation:** Participatory - oral communication  
**City of event:** San Sebastián, Basque Country, Spain  
**Date of event:** 13/07/2016  
**Organising entity:** Real Sociedad Española de Química / Società Chimica Italiana  
Pilar Pardo; Alicia Galván; Francisco J. Fañanás; Félix Rodríguez; Pedro Alonso.
- 9** **Title of the work:** A Scalable Synthesis of the Potent Odorant 9-epi-Ambrox  
**Name of the conference:** XXVI Reunión Bienal de Química Orgánica  
**Type of participation:** Participatory - poster  
**City of event:** Punta Umbría (Huelva), Andalusia, Spain  
**Date of event:** 14/06/2016  
**Organising entity:** Real Sociedad Española de Química / Universidad de Huelva  
Raquel Fontaneda; Pedro Alonso; Francisco J. Fañanás; Félix Rodríguez.
- 10** **Title of the work:** Divergent Catalyst-Dependent Reactivity of o-Alkynylsalicylaldehydes and Alkenes  
**Name of the conference:** XXVI Reunión Bienal de Química Orgánica  
**Type of participation:** Participatory - oral communication  
**City of event:** Punta Umbría (Huelva), Andalusia, Spain  
**Date of event:** 14/06/2016  
**Organising entity:** Real Sociedad Española de Química / Universidad de Huelva  
Patricia Fernández; Tamara Arto; Francisco J. Fañanás; Félix Rodríguez.
- 11** **Title of the work:** Synthesis of Cyclic Alkyl Triflates by a Cationic Cyclization Reaction  
**Name of the conference:** XXVI Reunión Bienal de Química Orgánica  
**Type of participation:** Participatory - oral communication  
**City of event:** Punta Umbría (Huelva), Andalusia, Spain  
**Date of event:** 14/06/2016  
**Organising entity:** Real Sociedad Española de Química / Universidad de Huelva  
Pedro Alonso; Pilar Pardo; Alicia Galván; Francisco J. Fañanás; Félix Rodríguez.
- 12** **Title of the work:** Chlorosulfates: Versatile reagents for the Synthesis of Polycyclic Compounds through Radical-Initiated Transformations  
**Name of the conference:** Third US-Sapin Symposium on Asymmetric Catalysis and Chemical Synthesis  
**Type of participation:** Participatory - oral communication  
**City of event:** Bilbao, Basque Country, Spain  
**Date of event:** 26/05/2016  
**Organising entity:** Universidad del País Vasco  
**Type of entity:** University  
Lara Cala; Félix Rodríguez; Francisco J. Fañanás.
- 13** **Title of the work:** New Strategies and Concepts with Chiral Bronsted Acids  
**Name of the conference:** Third US-Spain Symposium on Asymmetric Catalysis and Chemical Synthesis  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Bilbao, Basque Country, Spain  
**Date of event:** 26/05/2016  
**Organising entity:** Universidad del País Vasco  
**Type of entity:** University  
Félix Rodríguez.





- 14** **Title of the work:** Synthesis of Berkelic Acid Analogues and Bioactivity Studies  
**Name of the conference:** XXXV Reunión Bienal de la Real Sociedad Española de Química  
**Type of participation:** 'Participatory - poster  
**City of event:** A Coruña, Spain  
**Date of event:** 19/07/2015  
**Organising entity:** Real Sociedad Española de Química-Universidade da Coruña  
Tamara Arto; Francisco J. Fañanás; Félix Rodríguez.
- 15** **Title of the work:** A Catalytic Multicomponent Coupling Reaction for the Enantioselective Synthesis of Spiro and Fused Bicyclic Acetals  
**Name of the conference:** 18th IUPAC International Symposium on Organometallic Chemistry Directed towards Organic Synthesis (OMCOS 18)  
**Type of participation:** 'Participatory - poster  
**City of event:** Sitges, Spain  
**Date of event:** 28/06/2015  
**Organising entity:** Instituto Catalán de Investigaciones Químicas (ICIQ)  
Lara Cala; Patricia Fernández; Abraham Mendoza; Félix Rodríguez Iglesias; Francisco J. Fañanás.
- 16** **Title of the work:** A New Catalytic Multicomponent Coupling Reaction for the Synthesis of Pyrrole[3,2,1-ij]quinoline Derivatives  
**Name of the conference:** 18th IUPAC International Symposium on Organometallic Chemistry Directed towards Organic Synthesis (OMCOS 18)  
**Type of participation:** 'Participatory - poster  
**City of event:** Sitges, Spain  
**Date of event:** 28/06/2015  
**Organising entity:** Instituto Catalán de Investigaciones Químicas (ICIQ)  
Raquel Fontaneda; Alicia Galván; Félix Rodríguez Iglesias; Francisco J. Fañanás.
- 17** **Title of the work:** A Platinum/Bronsted Acid Relay Catalytic Cascade Reaction for the Synthesis of Pyrrolidine Derivatives  
**Name of the conference:** 18th IUPAC International Symposium on Organometallic Chemistry Directed towards Organic Synthesis (OMCOS 18)  
**Type of participation:** 'Participatory - poster  
**City of event:** Sitges, Spain  
**Date of event:** 28/06/2015  
**Organising entity:** Instituto Catalán de Investigaciones Químicas (ICIQ)  
Alicia Galván; Jonás Calleja; Francisco J. Fañanás; Félix Rodríguez Iglesias.
- 18** **Title of the work:** Base- and Metal-Free C-H Direct Arylation of Unbiased Arenes with Diaryliodonium Salts  
**Name of the conference:** 18th IUPAC International Symposium on Organometallic Chemistry Directed towards Organic Synthesis (OMCOS 18)  
**Type of participation:** 'Participatory - poster  
**City of event:** Sitges, Spain  
**Date of event:** 28/06/2015  
**Organising entity:** Instituto Catalán de Investigaciones Químicas (ICIQ)  
Susana Castro; Rubén Vicente; Félix Rodríguez Iglesias; Francisco J. Fañanás.
- 19** **Title of the work:** Synthesis and Bioactivity Studies of Berkelic Acid and Analogues  
**Name of the conference:** 18th IUPAC International Symposium on Organometallic Chemistry Directed towards Organic Synthesis (OMCOS 18)  
**Type of participation:** 'Participatory - poster  
**City of event:** Sitges, Spain



**Date of event:** 28/06/2015

**Organising entity:** Instituto Catalán de Investigaciones Químicas (ICIQ)

Tamara Arto; Francisco J. Fañanás; Félix Rodríguez Iglesias.

- 20** **Title of the work:** Synthesis of Cyclic Alkenyl Halides through an Acid Promoted Cationic Carbocyclization Reaction  
**Name of the conference:** XXV Reunión Bienal de Química Orgánica  
**Type of participation:** Participatory - oral communication  
**City of event:** Alicante, Spain  
**Date of event:** 04/06/2014  
**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química- Universidad de Alicante  
Pedro Alonso; Pilar Pardo; Francisco J. Fañanás; Félix Rodríguez.
- 21** **Title of the work:** Arilación Directa de Arenos no Activados con Sales de Diariliodonio en Ausencia de Catalizadores Metálicos  
**Name of the conference:** XXXIV Reunión Bienal de la Real Sociedad Española de Química  
**Type of participation:** Participatory - poster  
**City of event:** Santander, Spain  
**Date of event:** 15/09/2013  
**Organising entity:** Real Sociedad Española de Química-Universidad de Cantabria  
Susana Castro; Rubén Vicente; Francisco J. Fañanás; Félix Rodríguez Iglesias.
- 22** **Title of the work:** Síntesis de Halogenuros de Ciclohexenilo a través de una Reacción de Carbociclación Catiónica  
**Name of the conference:** XXXIV Reunión Bienal de la Real Sociedad Española de Química  
**Type of participation:** Participatory - oral communication  
**City of event:** Santander, Spain  
**Date of event:** 15/09/2013  
**Organising entity:** Real Sociedad Española de Química-Universidad de Cantabria  
Pedro Alonso; Pilar Pardo; Francisco J. Fañanás; Félix Rodríguez Iglesias.
- 23** **Title of the work:** Simultaneous Determination of Creatinine and Creatine by Double-Spike Isotope Dilution LC-MSMS: Validation of GC-MS Reference Procedures  
**Name of the conference:** XVIII Reunión de la Sociedad Española de Química Analítica  
**Type of participation:** Participatory - poster  
**City of event:** Úbeda, Spain  
**Date of event:** 16/06/2013  
**Organising entity:** Sociedad Española de Química Analítica  
Mario Fernández-Fernández; Pablo Rodríguez-González; M. Elena Añón-Alvarez; Francisco V. Álvarez-Menéndez; Félix Rodríguez Iglesias; J. Ignacio García-Alonso.
- 24** **Title of the work:** A Catalytic Multicomponent Coupling Reaction for the Enantioselective Synthesis of Spiroacetals  
**Name of the conference:** Second US/Spain Workshop on Asymmetric Catalysis and Chemical Synthesis  
**Type of participation:** Participatory - poster  
**City of event:** Evanston (Illinois), United States of America  
**Date of event:** 12/04/2013  
**Organising entity:** Northwestern University  
Lara Cala; Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez.



- 25** **Title of the work:** Design and Development of New Multicomponent and Cascade Catalytic Reactions  
**Name of the conference:** Second US/Spain Workshop on Asymmetric Catalysis and Chemical Synthesis  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Evanston (Illinois), United States of America  
**Date of event:** 12/04/2013  
**Organising entity:** Northwestern University  
Félix Rodríguez.
- 26** **Title of the work:** A Catalytic Multicomponent Coupling Reaction for the Enantioselective Synthesis of Spiroacetals  
**Name of the conference:** International Conference "Catalysis in Organic Synthesis" (ICCOS-2012)  
**Type of participation:** 'Participatory - poster  
**City of event:** Moscow, Russia  
**Date of event:** 15/09/2012  
**Organising entity:** IUPAC  
Lara Cala; Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez.
- 27** **Title of the work:** Alkyne Activation with Carbophilic Lewis Acid Catalysts for the Synthesis of Furan and Pyrrolidine Derivatives  
**Name of the conference:** International Conference "Catalysis in Organic Synthesis" (ICCOS-2012)  
**Type of participation:** 'Participatory - poster  
**City of event:** Moscow, Russia  
**Date of event:** 15/09/2012  
**Organising entity:** IUPAC  
Alicia Galván; Jonás Calleja; Félix Rodríguez; Francisco J. Fañanás.
- 28** **Title of the work:** Enantioselective Synthesis of Tetrahydroquinolines through a One-Pot Multicatalytic and Multicomponent Process Involving an Asymmetric Povarov Reaction  
**Name of the conference:** International Conference "Catalysis in Organic Synthesis" (ICCOS-2012)  
**Type of participation:** 'Participatory - poster  
**City of event:** Moscow, Russia  
**Date of event:** 15/09/2012  
**Organising entity:** IUPAC  
Jonás Calleja; Francisco J. Fañanás; Félix Rodríguez.
- 29** **Title of the work:** A New Mode of Cyclization of Enynes. Synthesis of Cycloalkyl Ketones through a Platinum-Catalyzed Hydrative Cycloisomerization Reaction  
**Name of the conference:** XXIV Reunión Bienal de Química Orgánica  
**Type of participation:** Participatory - oral communication  
**City of event:** San Sebastián, Spain  
**Date of event:** 11/07/2012  
**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química- Universidad del País Vasco  
Pilar Pardo; Francisco J. Fañanás; Félix Rodríguez.
- 30** **Title of the work:** Scalable Total Synthesis of (-)-Berkelic Acid Using a Protecting-Group-Free Strategy  
**Name of the conference:** XXIV Reunión Bienal de Química Orgánica  
**Type of participation:** Participatory - oral communication  
**City of event:** San Sebastián, Spain  
**Date of event:** 11/07/2012



**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química- Universidad del País Vasco  
Tamara Arto; Abraham Mendoza; Baris Temelli; Francisco J. Fañanás; Félix Rodríguez.

- 31 Title of the work:** Synthesis of 2-Indol-3-ylbenzofulvenes through a Tandem Reaction Catalyzed by Cationic Au(I) Complexes  
**Name of the conference:** XXIV Reunión Bienal de Química Orgánica  
**Type of participation:** Participatory - oral communication  
**City of event:** San Sebastián, Spain  
**Date of event:** 11/07/2012  
**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química- Universidad del País Vasco  
Delia Miguel; Patricia García-García; Manuel A. Fernández-Rodríguez; Félix Rodríguez; Anisley Suárez; Roberto Sanz; Estela Álvarez.
- 32 Title of the work:** New Cascade Reactions Initiated by Alkyne Activation with Carbophilic Lewis Acids Catalysts  
**Name of the conference:** New Perspectives in Asymmetric and Organometallic Synthesis (2nd Edition)  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Valencia, Spain  
**Date of event:** 16/12/2011  
**Organising entity:** Universitat de Valencia  
Félix Rodríguez.
- 33 Title of the work:** Control de la Selectividad en Reacciones Tándem de 3-Propargilindoles Catalizadas por Oro(I): Ciclación Nazarov vs. Iso-Nazarov  
**Name of the conference:** XXXIII Reunión Bienal de la Real Sociedad Española de Química  
**Type of participation:** Participatory - poster  
**City of event:** Valencia, Spain  
**Date of event:** 25/07/2011  
**Organising entity:** Real Sociedad Española de Química-Universitat de Valencia  
Patricia García-García; Estela Álvarez; Delia Miguel; Manuel A. Fernández-Rodríguez; Félix Rodríguez; Roberto Sanz.
- 34 Title of the work:** Alkyne Activation by Carbophilic Lewis Acid Catalysis. A Valuable Tool for the Development of Cascade Reactions  
**Name of the conference:** Segundo Simposio Iberoamericano de Química Orgánica (SIBEAQO-II)  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Santiago de Compostela, Spain  
**Date of event:** 08/09/2010  
**Organising entity:** Universidad de Santiago de Compostela  
Félix Rodríguez.
- 35 Title of the work:** A Brønsted Acid Catalyzed Double Intramolecular Michael Addition for the Synthesis of [3.3.1] Bicyclic Compounds  
**Name of the conference:** 3rd European Chemistry Congress (3rd EuCheMS)  
**Type of participation:** Participatory - poster  
**City of event:** Nürnberg, Germany  
**Date of event:** 29/08/2010  
**Organising entity:** European Association for Chemical and Molecular Sciences (EuCheMS)  
Pilar Pardo; Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez.



- 36** **Title of the work:** A Novel Platinum-Catalyzed Cascade Reaction for the Diastereoselective Synthesis of Cyclohexane Derivatives  
**Name of the conference:** 3rd European Chemistry Congress (3rd EuCheMS)  
**Type of participation:** 'Participatory - poster  
**City of event:** Nürnberg, Germany  
**Date of event:** 29/08/2010  
**Organising entity:** European Association for Chemical and Molecular Sciences (EuCheMS)  
Amadeo Fernández; Félix Rodríguez; Francisco J. Fañanás.
- 37** **Title of the work:** Synthesis of Polycyclic Compounds by a Cascade Cycloisomerization/Diels Alder Reaction  
**Name of the conference:** 3rd European Chemistry Congress (3rd EuCheMS)  
**Type of participation:** 'Participatory - poster  
**City of event:** Nürnberg, Germany  
**Date of event:** 29/08/2010  
**Organising entity:** European Association for Chemical and Molecular Sciences (EuCheMS)  
Jonás Calleja; Abraham Mendoza; Félix Rodríguez; Francisco J. Fañanás.
- 38** **Title of the work:** Alkyne Activation by Carbophilic Lewis Acid Catalysis. A Valuable Tool for the Development of Cascade Reactions  
**Name of the conference:** 8th Spanish-Italian Symposium on Organic Chemistry (SISOC 8)  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Padova, Italy  
**Date of event:** 03/07/2010  
**Organising entity:** Real Sociedad Española de Química / Società Chimica Italiana  
Félix Rodríguez.
- 39** **Title of the work:** Au(I)-Catalyzed Enantioselective Synthesis of Functionalized Indenes  
**Name of the conference:** 8th Spanish-Italian Symposium on Organic Chemistry (SISOC 8)  
**Type of participation:** Participatory - oral communication  
**City of event:** Padova, Italy  
**Date of event:** 03/07/2010  
**Organising entity:** Real Sociedad Española de Química / Società Chimica Italiana  
Alberto Martínez; Patricia García-García; Manuel A. Fernández-Rodríguez; Félix Rodríguez; Roberto Sanz.
- 40** **Title of the work:** Síntesis Enantioselectiva de Indenos Funcionalizados mediante Cicloisomerización de (o-Alquinil)estirenos Catalizada por Au(I)  
**Name of the conference:** XXIII Reunión Bienal de Química Orgánica  
**Type of participation:** Participatory - oral communication  
**City of event:** Murcia, Spain  
**Date of event:** 16/06/2010  
**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química- Universidad de Murcia  
Alberto Martínez; Patricia García-García; Manuel A. Fernández-Rodríguez; Félix Rodríguez; Roberto Sanz.
- 41** **Title of the work:** Alenilación de 2-Arilindoles con Alcoholes Propargílicos Terciarios Catalizada por Ácidos de Brønsted  
**Name of the conference:** XXXII Reunión Bienal de la Real Sociedad Española de Química  
**Type of participation:** 'Participatory - poster  
**City of event:** Oviedo, Spain  
**Date of event:** 14/09/2009





**Organising entity:** Real Sociedad Española de Química-Universidad de Oviedo  
Roberto Sanz; Alberto Martínez; Delia Miguel; Mukut Gohain; Félix Rodríguez.

- 42** **Title of the work:** Síntesis de Aciloxi-espirocetales mediante una Reacción Multicomponente Catalizada por Paladio  
**Name of the conference:** XXXII Reunión Bienal de la Real Sociedad Española de Química  
**Type of participation:** 'Participatory - poster  
**City of event:** Oviedo, Spain  
**Date of event:** 14/09/2009  
**Organising entity:** Real Sociedad Española de Química-Universidad de Oviedo  
Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez.
- 43** **Title of the work:** Una Nueva Reacción en Cascada Catalizada por Complejos de Oro (I). Reacción Redox Intramolecular  
**Name of the conference:** XXXII Reunión Bienal de la Real Sociedad Española de Química  
**Type of participation:** 'Participatory - poster  
**City of event:** Oviedo, Spain  
**Date of event:** 14/09/2009  
**Organising entity:** Real Sociedad Española de Química-Universidad de Oviedo  
Amadeo Fernández; Félix Rodríguez; Francisco J. Fañanás.
- 44** **Title of the work:** Gold-Catalyzed Reactions of Secondary Hexynol Derivatives and Indoles, Pyrroles or Furanes by a Hydroalkoxylation / Hydroarylation / Oppenauer-type Oxidation Cascade Process  
**Name of the conference:** International Conference on Heteroatom Chemistry (ICHAC-9)  
**Type of participation:** 'Participatory - poster  
**City of event:** Oviedo, Spain  
**Date of event:** 30/06/2009  
**Organising entity:** University of Oviedo  
Amadeo Fernández; Félix Rodríguez; Francisco J. Fañanás.
- 45** **Title of the work:** Iridium-Catalyzed Tandem Hydroalkoxylation-Diels Alder Reactions  
**Name of the conference:** International Conference on Heteroatom Chemistry (ICHAC-9)  
**Type of participation:** 'Participatory - poster  
**City of event:** Oviedo, Spain  
**Date of event:** 30/06/2009  
**Organising entity:** University of Oviedo  
Francisco J. Fañanás; Félix Rodríguez; Jonás Calleja.
- 46** **Title of the work:** Late Transition Metals as Catalysts in Multicomponent Poliheterocyclic Ring- Forming Reactions  
**Name of the conference:** International Conference on Heteroatom Chemistry (ICHAC-9)  
**Type of participation:** 'Participatory - poster  
**City of event:** Oviedo, Spain  
**Date of event:** 30/06/2009  
**Organising entity:** University of Oviedo  
Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez.
- 47** **Name of the conference:** International Conference on Heteroatom Chemistry (ICHAC-9)  
**Type of participation:** Organizational - Scientific and organizing committee  
**City of event:** Oviedo, Spain  
**Date of event:** 30/06/2009





**Organising entity:** University of Oviedo

Félix Rodríguez; José Barluenga; Enrique Aguilar; M. Paz Cabal; Josefa Flórez; Luis A. López; Javier Santamarina; Ángel L. Suárez-Sobrino; Carlos Vadés.

**48 Title of the work:** Cascade Processes of Secondary Alkynol Derivatives and Indoles Promoted by Gold Catalysts

**Name of the conference:** Tenth Tetrahedron Symposium (Challenges in Organic and Bioorganic Chemistry)

**Type of participation:** 'Participatory - poster

**City of event:** Paris, France

**Date of event:** 23/06/2009

**Organising entity:** Elsevier

Amadeo Fernández; Félix Rodríguez; Francisco J. Fañanás.

**49 Title of the work:** Gold-Catalyzed Reactions of omega-Alkynol Derivatives and Indoles

**Name of the conference:** 7th Spanish-Italian Symposium on Organic Chemistry (SISOC 7)

**Type of participation:** 'Participatory - poster

**City of event:** Oviedo, Spain

**Date of event:** 07/09/2008

**Organising entity:** Real Sociedad Española de Química / Società Chimica Italiana

Amadeo Fernández; Félix Rodríguez; Francisco J. Fañanás.

**50 Title of the work:** Platinum-Catalyzed Tandem Reactions between Alkynols and N-Arylaldimines

**Name of the conference:** 7th Spanish-Italian Symposium on Organic Chemistry (SISOC 7)

**Type of participation:** 'Participatory - poster

**City of event:** Oviedo, Spain

**Date of event:** 07/09/2008

**Organising entity:** Real Sociedad Española de Química / Società Chimica Italiana

Francisco J. Fañanás; Félix Rodríguez; Abraham Mendoza.

**51 Title of the work:** Synthesis of Arenecyclobutane Derivatives Promoted by Aryne-Zirconocene Complexes

**Name of the conference:** 7th Spanish-Italian Symposium on Organic Chemistry (SISOC 7)

**Type of participation:** 'Participatory - poster

**City of event:** Oviedo, Spain

**Date of event:** 07/09/2008

**Organising entity:** Real Sociedad Española de Química / Società Chimica Italiana

Jonás Calleja; Félix Rodríguez; Francisco J. Fañanás.

**52 Title of the work:** Procesos Dominó Hidroalcoxilación-Hidroarilación de -Alquinoles Catalizados por Complejos de Platino. Síntesis Total de Bruguierol A

**Name of the conference:** XXII Reunión Bienal de Química Orgánica

**Type of participation:** Participatory - oral communication

**City of event:** Tarragona, Spain

**Date of event:** 25/06/2008

**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química-Universitat Rovira i Virgili

Amadeo Fernández; Deniz Cevic; Félix Rodríguez; Francisco J. Fañanás.

**53 Title of the work:** Reacciones Tandem Catalíticas de omega-Alquinoles

**Name of the conference:** XXII Reunión Bienal de Química Orgánica

**Type of participation:** Participatory - invited/keynote talk



**City of event:** Tarragona, Spain

**Date of event:** 25/06/2008

**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química-Universitat Rovira i Virgili  
Félix Rodríguez.

**54 Title of the work:** Reacciones Tandem Cicloisomerización-Ciclación Tipo Prins de Alquinoles Catalizada por Complejos de Oro y Platino

**Name of the conference:** XXXI Reunión Bienal de la Real Sociedad Española de Química

**Type of participation:** 'Participatory - poster

**City of event:** Toledo, Spain

**Date of event:** 09/09/2007

**Organising entity:** RSEQ-Universidad de Castilla la Mancha  
Amadeo Fernández; Alejandro Diéguez; Félix Rodríguez; Francisco J. Fañanás.

**55 Title of the work:** Reacciones entre Alquinoles y N-Arilmimas Catalizada por Complejos de Platino

**Name of the conference:** XXXI Reunión Bienal de la Real Sociedad Española de Química

**Type of participation:** 'Participatory - poster

**City of event:** Toledo, Spain

**Date of event:** 09/09/2007

**Organising entity:** RSEQ-Universidad de Castilla la Mancha  
Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez.

**56 Title of the work:** Síntesis de Carbociclos de Cuatro Eslabones Mediada por Complejos Zirconoceno a partir de Compuestos Organolíticos y Bromuros de Alquenilo

**Name of the conference:** XXXI Reunión Bienal de la Real Sociedad Española de Química

**Type of participation:** 'Participatory - poster

**City of event:** Toledo, Spain

**Date of event:** 09/09/2007

**Organising entity:** RSEQ-Universidad de Castilla la Mancha  
Jonás Calleja; Lucía Álvarez-Rodrigo; Félix Rodríguez; Francisco J. Fañanás.

**57 Title of the work:** New Gold- and Platinum-Catalysed Tandem Reactions of Alkynol Derivatives

**Name of the conference:** 15th European Symposium on Organic Chemistry

**Type of participation:** 'Participatory - poster

**City of event:** Dublin, Ireland

**Date of event:** 08/07/2007

**Organising entity:** University College Dublin  
Amaya Satrústegui; Amadeo Fernández; Félix Rodríguez; Francisco J. Fañanás.

**58 Title of the work:** New Zirconium-Mediated or Catalysed Reactions Based on the Use of Heterosubstituted Alkenes

**Name of the conference:** 15th European Symposium on Organic Chemistry

**Type of participation:** 'Participatory - poster

**City of event:** Dublin, Ireland

**Date of event:** 08/07/2007

**Organising entity:** University College Dublin  
Lucía Álvarez-Rodrigo; José Barluenga; Félix Rodríguez; Francisco J. Fañanás.



- 59** **Title of the work:** Reacciones de Cicloisomerización de omega-Alquinoles Catalizadas por Especies Metálicas Dirigidas a la Síntesis de Carbociclos de Ocho Eslabones  
**Name of the conference:** III Symposium de Investigadores Jóvenes  
**Type of participation:** Participatory - oral communication  
**City of event:** Tarragona, Spain  
**Date of event:** 16/11/2006  
**Organising entity:** RSEQ-Sigma Aldrich-ICIQ  
Alejandro Diéguez; Félix Rodríguez; Francisco J. Fañanás.
- 60** **Title of the work:** Synthesis of Heterocyclic Systems by New Metal-Catalyzed Tandem Sequences Based on Cycloisomerization Reactions  
**Name of the conference:** XXII European Colloquium on Heterocyclic Chemistry  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Bari, Italy  
**Date of event:** 02/09/2006  
**Organising entity:** University of Bari  
Félix Rodríguez.
- 61** **Title of the work:** Umpolung Reactivity of Alkenyl Fischer Carbene Complexes, Copper Enolates, and Electrophiles  
**Name of the conference:** 1st European Chemistry Congress  
**Type of participation:** 'Participatory - poster  
**City of event:** Budapest, Hungary  
**Date of event:** 27/08/2006  
**Organising entity:** European Association for Chemical and Molecular Sciences (EuCheMs)  
Abraham Mendoza; Francisco J. Fañanás; Félix Rodríguez.
- 62** **Title of the work:** Zirconocene-Catalyzed Reactions of Alkenyl-Substituted Enol Ethers  
**Name of the conference:** 1st European Chemistry Congress  
**Type of participation:** 'Participatory - poster  
**City of event:** Budapest, Hungary  
**Date of event:** 27/08/2006  
**Organising entity:** European Association for Chemical and Molecular Sciences (EuCheMs)  
Lucía Álvarez-Rodrigo; Félix Rodríguez; Francisco J. Fañanás.
- 63** **Title of the work:** A Simple Procedure for the Synthesis of Functionalized 1,3-Butadienes and Cyclopentenones from Fischer Carbene Complexes  
**Name of the conference:** 16th International Conference on Organic Synthesis (ICOS-16)  
**Type of participation:** 'Participatory - poster  
**City of event:** Mérida, Mexico  
**Date of event:** 11/06/2006  
**Organising entity:** IUPAC  
Francisco J. Fañanás; Jorge Alonso; Félix Rodríguez. 50 (1), pp. 238 - 238. ISSN 1870-249X
- 64** **Title of the work:** Reacciones de Acoplamiento de Complejos Zirconoceno y Alquenos Heterosustituídos  
**Name of the conference:** II Symposium de Jóvenes Investigadores  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Ciudad Real, Spain  
**Date of event:** 22/11/2005  
**Organising entity:** RSEQ-Sigma Aldrich-Universidad de Castilla-La Mancha  
Félix Rodríguez; Lucía Álvarez-Rodrigo; Francisco J. Fañanás.



- 65** **Title of the work:** Tandem Reactions Involving Metal-Catalyzed Cycloisomerization and Cyclopropanation Processes from omega-Alkynols  
**Name of the conference:** XXX Convegno Nazionale della Divisione di Chimica Organica della Società Chimica Italiana  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Siena, Italy  
**Date of event:** 19/09/2005  
**Organising entity:** Divisione di Chimica Organica della Società Chimica Italiana  
Félix Rodríguez.
- 66** **Title of the work:** Coupling Reactions of Organolithium Compounds and Enol Ethers Mediated by Zirconocene Complexes  
**Name of the conference:** 13th IUPAC International Symposium on Organometallic Chemistry Directed towards Organic Synthesis (OMCOS 13)  
**Type of participation:** Participatory - poster  
**City of event:** Geneva, Switzerland  
**Date of event:** 17/07/2005  
**Organising entity:** IUPAC-University of Geneva  
Félix Rodríguez; Lucía Álvarez-Rodrigo; Francisco J. Fañanás.
- 67** **Title of the work:** Cycloisomerization Reactions of 4-Alkyn-1-ol Derivatives Catalyzed by W(CO)<sub>5</sub>  
**Name of the conference:** 13th IUPAC International Symposium on Organometallic Chemistry Directed towards Organic Synthesis (OMCOS 13)  
**Type of participation:** Participatory - poster  
**City of event:** Geneva, Switzerland  
**Date of event:** 17/07/2005  
**Organising entity:** IUPAC-University of Geneva  
Alejandro Diéguez; Francisco J. Fañanás; Félix Rodríguez.
- 68** **Title of the work:** Complejos Carbeno de Fischer: Desarrollo de un Proceso Catalítico Dirigido a la Síntesis de Carbociclos de Ocho Eslabones  
**Name of the conference:** I Simposium de Jóvenes Investigadores  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Madrid, Spain  
**Date of event:** 16/11/2004  
**Organising entity:** RSEQ-Sigma Aldrich-Universidad Complutense Madrid  
Félix Rodríguez; Alejandro Diéguez; Francisco J. Fañanás.
- 69** **Title of the work:** Towards a Catalytic Method for the Synthesis of Enantiopure Eight-Membered Carbocycles Based on the Use of Group 6 Metal Carbene Complexes  
**Name of the conference:** 7th International Symposium on Carbanion Chemistry  
**Type of participation:** Participatory - poster  
**City of event:** Alicante, Spain  
**Date of event:** 07/07/2004  
**Organising entity:** University of Alicante  
Alejandro Diéguez; Félix Rodríguez; Francisco J. Fañanás.
- 70** **Title of the work:** Zirconium Promoted Cross-Coupling Reactions of Organolithium Compounds and Heterosubstituted Alkenes  
**Name of the conference:** 7th International Symposium on Carbanion Chemistry  
**Type of participation:** Participatory - poster



**City of event:** Alicante, Spain  
**Date of event:** 07/07/2004  
**Organising entity:** University of Alicante  
Lucía Álvarez-Rodrigo; Félix Rodríguez; Francisco J. Fañanás.

- 71** **Title of the work:** Reacciones de Acoplamiento entre Complejos Alqueno-Zirconoceno y Enol Éteres Cíclicos. Nuevos Modos de Reactividad de Complejos Zirconoceno  
**Name of the conference:** XX Reunión Bienal del Grupo de Química Orgánica de la Real Sociedad Española de Química  
**Type of participation:** Participatory - oral communication  
**City of event:** Zaragoza, Spain  
**Date of event:** 09/06/2004  
**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química- Universidad de Zaragoza  
Félix Rodríguez; Lucía Álvarez-Rodrigo; Francisco J. Fañanás.
- 72** **Title of the work:** Total Synthesis of the Phytotoxic Agent Herbarumin II Using Butane Diacetals of Glycolic Acid as Building Blocks  
**Name of the conference:** The Ninth International Kyoto Conference on New Aspects of Organic Chemistry  
**Type of participation:** 'Participatory - poster  
**City of event:** Kyoto, Japan  
**Date of event:** 10/11/2003  
**Organising entity:** The Kinki Chemical Society Japan  
Elena Díez; Darren J. Dixon; Steven V. Ley; Alessandra Polara; Félix Rodríguez.
- 73** **Title of the work:** Síntesis Enantioselectiva One Pot de Carbociclos de Ocho Eslabones a Partir de Complejos Alquencilcarbeno de Fischer y Enolatos de Cetona  
**Name of the conference:** XIX Reunión Bienal del Grupo de Química Orgánica de la Real Sociedad Española de Química  
**Type of participation:** Participatory - oral communication  
**City of event:** Carmona (Sevilla), Spain  
**Date of event:** 11/06/2002  
**Organising entity:** Grupo de Química Orgánica de la Real Sociedad Española de Química- Universidad de Sevilla  
José Barluenga; Alejandro Diéguez; Félix Rodríguez; Josefa Flórez; Francisco J. Fañanás.

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

- 1** **Title of the work:** New Strategies in Organic Synthesis Inspired by Nature  
**Name of the event:** IIQ Conference Cycle  
**Corresponding author:** Yes  
**City of event:** Sevilla, Spain  
**Date of event:** 12/04/2019  
**Organising entity:** Instituto de Investigaciones Químicas      **Type of entity:** University Research Institute
- 2** **Title of the work:** New Insights into Asymmetric Synthesis with Gold and Chiral Brønsted Acid Catalysts  
**Name of the event:** 7th Spanish Asymmetric Catalysis Network Symposium  
**Corresponding author:** Yes  
**City of event:** Hondarribia, Basque Country, Spain  
**Date of event:** 04/10/2018



**Organising entity:** Universidad del País Vasco

**Type of entity:** University

**3 Title of the work:** New Strategies and Concepts with Chiral Bronsted Acids

**Name of the event:** Third US/Spain Workshop on Asymmetric Catalysis and Chemical Synthesis

**Corresponding author:** Yes

**City of event:** Bilbao, Basque Country, Spain

**Date of event:** 26/05/2016

**Organising entity:** Universidad del País Vasco

**Type of entity:** University

Félix Rodríguez.

**4 Title of the work:** Multicomponent and Cascade Reactions: New Opportunities for Natural Product Synthesis and Medicinal Chemistry

**Name of the event:** CIC-BIOMAGUNE Seminars

**Corresponding author:** Yes

**City of event:** San Sebastián, Spain

**Date of event:** 27/11/2014

**Organising entity:** CIC-BIOMAGUNE

Félix Rodríguez Iglesias.

**5 Title of the work:** Activación Catalítica de Alquinos Aplicada a la Síntesis de Moléculas Complejas y Productos Naturales

**Name of the event:** IV Workshop UFI-QOSYC

**Corresponding author:** Yes

**City of event:** Donosti, Spain

**Date of event:** 21/03/2014

**Organising entity:** UPV/EHU - Departamento de Química Orgánica I - Facultad de C.C. Químicas, Donostia

Félix Rodríguez.

**6 Title of the work:** Generation of Diverse Molecular Complexity through Cascade Reactions Based on Catalytic Activation of Alkynes

**Name of the event:** One Day Organometallic Chemistry

**Corresponding author:** Yes

**City of event:** Oviedo, Spain

**Date of event:** 20/01/2014

**Organising entity:** Grupo de Química Organometálica de la Real Sociedad Española de Química-COMORCA Research Group Universidad de Oviedo

Félix Rodríguez.

**7 Title of the work:** Constructing Molecular Complexity from Simple Alkynols. Some Adventures in Catalysis and Total Synthesis

**Name of the event:** Conferencia en Universidad de Vigo-Spain

**Corresponding author:** Yes

**City of event:** Vigo, Spain

**Date of event:** 22/10/2013

**Organising entity:** Departamento de Química Orgánica-Universidad de Vigo

Félix Rodríguez.

**8 Title of the work:** A Journey from Fischer Carbene Complexes to Gold Catalysis

**Name of the event:** Conferencia en CIQUS-Universidad de Santiago de Compostela-Spain

**Corresponding author:** Yes





**City of event:** Santiago de Compostela, Spain  
**Date of event:** 09/10/2013  
**Organising entity:** CIQUS-Universidad de Santiago de Compostela  
Félix Rodríguez.

**9** **Title of the work:** Design and Development of New Multicomponent and Cascade Catalytic Reactions  
**Name of the event:** Second US/Spain Workshop on Asymmetric Catalysis and Chemical Synthesis  
**Corresponding author:** Yes  
**City of event:** Evanston-Illinois, United States of America  
**Date of event:** 12/04/2013  
**Organising entity:** Northwestern University  
Félix Rodríguez.

**10** **Title of the work:** New Cascade Reactions Initiated by Alkyne Activation with Carbophilic Lewis Acids Catalysts  
**Name of the event:** New Perspectives in Asymmetric and Organometallic Synthesis-2nd Edition  
**Corresponding author:** Yes  
**City of event:** Valencia, Spain  
**Date of event:** 16/12/2011  
**Organising entity:** University of Valencia  
Félix Rodríguez.

**11** **Title of the work:** Alkyne Activation by Carbophilic Lewis Acid Catalysts. A Valuable Tool for the Development of Cascade Reactions  
**Name of the event:** Segundo Simposio Iberoamericano de Química Orgánica-SIBEAQO-II  
**Corresponding author:** Yes  
**City of event:** Santiago de Compostela, Spain  
**Date of event:** 08/09/2010  
**Organising entity:** Universidad de Santiago de Compostela  
Félix Rodríguez.

**12** **Title of the work:** Alkyne Activation by Carbophilic Lewis Acid Catalysts. A Valuable Tool for the Development of Cascade Reactions  
**Name of the event:** 8th Spanish-Italian Symposium on Organic Chemistry-SISOC 8  
**Corresponding author:** Yes  
**City of event:** Padova, Italy  
**Date of event:** 03/07/2010  
**Organising entity:** University of Padua & Ca' Foscari University of Venice  
Félix Rodríguez.

**13** **Title of the work:** Reacciones Tandem Catalíticas de omega-Alquinoles  
**Name of the event:** XXII Reunión Bienal de Química Orgánica  
**Corresponding author:** Yes  
**City of event:** Tarragona, Spain  
**Date of event:** 25/06/2008  
**Organising entity:** Universitat Rovira i Virgili  
Félix Rodríguez.

**14** **Title of the work:** Synthesis of Heterocyclic Systems by New Metal-Catalyzed Tandem Sequences Based on Cycloisomerization Reactions  
**Name of the event:** XXII European Colloquium on Heterocyclic Chemistry



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CURRÍCULUM VITAE NORMALIZADO

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**Corresponding author:** Yes

**City of event:** Bari, Italy

**Date of event:** 02/09/2006

**Organising entity:** University of Bari

Félix Rodríguez.

**15 Title of the work:** Tandem Reactions Involving Metal-Catalyzed Cycloisomerization and Cyclopropanation Processes from omega-Alkynols

**Name of the event:** XXX Convegno Nazionale della Divisione di Chimica Organica della Società Chimica Italiana

**Corresponding author:** Yes

**City of event:** Siena, Italy

**Date of event:** 19/09/2005

**Organising entity:** Società Chimica Italiana-Divisione di Chimica Organica

Félix Rodríguez.

**16 Title of the work:** Síntesis Total de Productos Naturales con Actividad Biológica

**Name of the event:** Conferencia en Universidad de Burgos-Spain

**Corresponding author:** Yes

**City of event:** Burgos, Spain

**Date of event:** 06/06/2003

**Organising entity:** Departamento de Química

Félix Rodríguez.

### Other dissemination activities

**Title of the work:** Extremophiles and Natural Products: An Opportunity for Chemists and Biotechnologists (Berkelic Acid as a Case of Study)

**Name of the event:** Con Ciencia, té

**Type of event:** Conferences given

**Reasons for participation:** Upon invitation

**Corresponding author:** Yes

**City of event:** Oviedo, Principality of Asturias, Spain

**Date of event:** 10/03/2017

**Organising entity:** Asociación de Biotecnólogos de Asturias (ASBAS)

Félix Rodríguez.

## R&D management and participation in scientific committees

### Organization of R&D activities

- 1** **Title of the activity:** 2022 Barluenga Lectureship  
**Type of activity:** Lectureship  
**Convening entity:** Universidad de Oviedo  
**Type of participation:** Organiser  
**Start-End date:** 26/10/2022 - 28/10/2022

**Geographical area:** Non EU International  
**Type of entity:** University
- 2** **Title of the activity:** 2019 Barluenga Lectureship  
**Type of activity:** Lectureship  
**Convening entity:** Universidad de Oviedo  
**Type of participation:** Organiser  
**Start-End date:** 07/11/2019 - 08/11/2019

**Geographical area:** Non EU International  
**Type of entity:** University
- 3** **Title of the activity:** 2018 Barluenga Lectureship  
**Type of activity:** Lectureship  
**Convening entity:** Universidad de Oviedo  
**Type of participation:** Organiser  
**Start-End date:** 08/11/2018 - 09/11/2018

**Geographical area:** Non EU International  
**Type of entity:** University
- 4** **Title of the activity:** 2017 Barluenga Lectureship  
**Type of activity:** Lectureship  
**Convening entity:** Universidad de Oviedo  
**Type of participation:** Organiser  
**Start-End date:** 09/11/2017 - 10/11/2017

**Geographical area:** Non EU International  
**Type of entity:** University
- 5** **Title of the activity:** 2016 Barluenga Lectureship  
**Type of activity:** Lectureship  
**Convening entity:** Universidad de Oviedo  
**Type of participation:** Organiser  
**Start-End date:** 03/11/2016 - 04/11/2016

**Geographical area:** Non EU International  
**Type of entity:** University
- 6** **Title of the activity:** 2015 Barluenga Lectureship  
**Type of activity:** Lectureship  
**Convening entity:** Universidad de Oviedo  
**Type of participation:** Organiser  
**Start-End date:** 26/10/2015 - 28/10/2015

**Geographical area:** Non EU International  
**Type of entity:** University
- 7** **Title of the activity:** Inaugural Barluenga Lectureship  
**Type of activity:** Lectureship  
**Convening entity:** Universidad de Oviedo  
**Type of participation:** Organiser  
**Start-End date:** 03/11/2014 - 04/11/2014

**Geographical area:** Non EU International  
**Type of entity:** University



- 8 Title of the activity:** ICHAC-9 International Conference on Heteroatom Chemistry  
**Type of activity:** International Conference  
**Convening entity:** Universidad de Oviedo  
**Type of participation:** Organiser  
**Start date:** 30/06/2009
- Geographical area:** Non EU International  
**Type of entity:** University

## Other achievements

### Stays in public or private R&D centres

**Entity:** University of Cambridge-UK  
**City of entity:** Cambridge, United Kingdom  
**Start date:** 01/11/1999  
**Duration:** 2 years - 2 months  
**Funding entity:** Unión Europea  
**Name of programme:** Marie Curie  
**Goals of the stay:** Post-doctoral  
**Relevant results:** Estancia Postdoctoral

### Obtained grants and scholarships

- 1 Name of the grant:** Contrato Ramón y Cajal  
**Aims:** Post-doctoral  
**Awarding entity:** Ministerio de Educación y Ciencia  
**Conferral date:** 01/11/2002  
**Duration:** 5 years
- 2 Name of the grant:** Marie Curie Individual Fellowship (Category R)  
**Aims:** Post-doctoral  
**Awarding entity:** Unión Europea  
**Conferral date:** 01/01/2002  
**Duration:** 1 year
- 3 Name of the grant:** Marie Curie Individual Fellowship (Category 30)  
**Aims:** Post-doctoral  
**Awarding entity:** Unión Europea  
**Conferral date:** 01/01/2000  
**Duration:** 2 years
- 4 Name of the grant:** Beca Predoctoral  
**Aims:** Pre-doctoral  
**Awarding entity:** Universidad de Oviedo  
**Conferral date:** 01/03/1995  
**Duration:** 10 months
- 5 Name of the grant:** Beca Salario y Complemento de Colaboración  
**Aims:** Pre-doctoral  
**Awarding entity:** Universidad de Oviedo  
**Conferral date:** 01/09/1994  
**Duration:** 1 year
- 6 Name of the grant:** Beca Salario y Complemento de Colaboración  
**Aims:** Pre-doctoral  
**Awarding entity:** Universidad de Oviedo



**Conferral date:** 01/09/1993

**Duration:** 1 year

### Prizes, mentions and distinctions

- 1** **Description:** Premio de la Real Sociedad Española de Química para Jóvenes Investigadores  
**Conferral date:** 2005
- 2** **Description:** Premio Extraordinario de Doctorado  
**Awarding entity:** Universidad de Oviedo  
**Conferral date:** 29/01/2001

### Summary of other achievements

**Description of the achievement:** Sexenios de Investigación: 3; Ultimo tramo: 2012-17  
**City accrediting entity:** CNEAI,  
**Conferral date:** 06/06/2018