



Hermenegildo García Gómez

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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.

Hermenegildo García is a **full professor** at the **Instituto de Tecnología Química** of the Universidad Politécnica de Valencia. In 2013 he has been appointed as **Honorary Professor at King Abdulaziz University**. Prof. García has been active in the field of heterogeneous catalysis working with porous catalysts and nanoparticles and has **contributed to six research fronts** as defined by the **Essential Indicators Database**. This research fronts are related to the use of gold nanoparticles as heterogeneous catalysts, metal organic frameworks in catalysis, carbocatalysis, layered double hydroxides as photocatalysts, plasmon photocatalysis and solar fuels production. The number of awarded **six-years research steps is 7** being the last obtained in 2021. The current **H index is 108** (web of science) and **116** (google scholar). The total **number of publications is 832**, over **720** of them have appeared in journals with a current **impact factor equal or higher than 4**. Prof. García has published one **Science**, one **Nature Materials**, one **Nature Protocols**, 3 **Nature Communications**, 10 **Chemical Reviews**, 14 **Angewandte**, 33 **JACS**, among others. Prof. García appears in **the list of Highly Cited Researchers**, ranking that is issued by **Thomson Reuters** and the Center for World Class Universities **Shanghai Jiao Tong** since **2013**. Prof. García has **directed 47 PhDs**. **Three** of them have received the **yearly award** from the Universidad Politécnica de Valencia to **the best PhD** since this distinction started in 2007. The number of former co-workers that have obtained the **"Ramón y Cajal" contracts is seven**, four of which already are permanent staff members. The number of former co-workers that have gained a **"Juan de la Cierva"** research associate contract has been **four**. The number of **invited and plenary lectures in congresses and workshops is over 100**, mostly in international meetings. In the last five years, he has delivered **30 plenary and invited lectures** plus additional participation in International and National Summer Schools and lectures at University Departments. His team is one of the ten belonging to the **Instituto de Tecnología Química** that were **awarded in 2013 and 2016 with the Severo Ochoa award of Excellence**. Prof. García has been participating continuously in **EU funded projects**. In the last ten years eleven EU funded projects including Integrated projects (Novacam, BeingEnergy, Macademia, Next GTL, Topcombi, a network of Excellence in Catalysis (IDECAT), Feder funded projects (TRAIN2, several LIFES), a project from the European Research Agency and a Science for Peace project funded by NATO. To give an idea of the **successful application of the EU cost**, over **2 million €** have been secured in **the last 5 years**. His group is recognized as **group of excellence** funded by the regional Valencian government (**Prometeo 2013/19, 2016/083 and 2021/038**). Besides fundamental research, Prof. García has carried out over **40 R&D contracts** with companies either local, National or Multinational including **BASF, Repsol, DSM, Aguas de Valencia, FML, Abengoa, Union Derivan, Ceracasa, Unión Alcorense**. These R&D contracts have led to a number of **patents (40)**, most of them belonging to companies and others forming part of the Intellectual property portfolio of the Universidad Politécnica de Valencia and the Spanish National Research Council. Prof. García is **Doctor Honoris Causa from the University of Bucharest**, **2016 award "Jaime I de Nuevas Tecnologías"** and **2021 award Premio Nacional de Investigación "Enrique Moles"** en el área de Ciencia y Tecnología Químicas.

**C****V****n**

CURRÍCULUM VITAE NORMALIZADO

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Prof. García is elected **President of the editorial board of ChemCatChem** and serving as **member of the editorial board of Energy and Environmental Science (RSC), Chemistry-A European Journal (Wiley), Journal of Molecular Catalysis A (Elsevier), Nanomaterials (MDPI)** and in the last years also member of the and **Photochemical and Photobiological Sciences (RSC)**. He is **President of the International Advisory Board** of the Center of Excellence in Advanced Materials Research at **KAU (Saudi Arabia)**. He has been in the **evaluation panel** of **ERC**, Romanian Ministry of Science and Education and other panels in the Netherlands (NYOK), Belgium (Belspo) Greece and Flanders Science and Technology funding agencies and the KAUST. He was in the **scientific organising committee** of the XIX and XX IUPAC Symposium on Photochemistry held at Granada and Osaka and the Ist IUPAC Symposium on Green Chemistry.



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.

The number of awarded **six-years research steps is 7** being the last obtained in 2021. The current **H index** (September 2021) is **107** (web of science) and **116** (google scholar). The total **number of publications is 792**, over **700** of them have appeared in journals with a current **impact factor equal or higher than 4**. I have published one **Science**, one **Nature Materials**, one **Nature Protocols**, 3 **Nature Communications**, 10 **Chemical Reviews**, 14 **Angewandte**, 33 **JACS**, among others. Eight of these papers form the core of **six research fronts** going from supported gold nanoparticles as catalysts, metal organic frameworks as catalysts, layered double oxides as photocatalysts, solar fuels, plasmon photocatalysis and carbocatalysis. I also appear in **the list of Highly Cited Scientists** according to the **Shangai Institute for World-Class University**. The number of **PhDs directed** has been **41**. **Three** of them have received the **yearly award** from the Universidad Politécnica de Valencia to **the best PhD** since this distinction started in 2007. The number of former co-workers that have obtained the **"Ramón y Cajal" contracts is seven**, four of which already have permanent staff members. The number of former co-workers that have gained a **"Juan de la Cierva"** research associate contract has been **four**.

The number of **invited and plenary lectures in congresses and workshops is over 100**, mostly in international meetings. In the last five years he has delivered 30 plenary and invited lectures plus additional participation in International and National Summer Schools and lectures at University Departments. His team is one of the ten belonging to the **Institute of Chemical Technology** that were **awarded in 2013 and 2016 with the Severo Ochoa award of Excellence**. Dr. Garcia has been participating continuously in **EU funded projects**. In the last ten years eleven EU funded projects including Integrated projects (Novacam, BeingEnergy, Macademia, Next GTL, Topcombi, a network of Excellence in Catalysis (IDECAT), Feder funded projects (TRAIN2, several LIFES), a project from the European Research Agency and a Science for Peace project funded by NATO. The group is recognized as **group of excellence** funded by the regional Valencian government (**Prometeo 2013/19, 2016/083 and 2021/038**).



Hermenegildo García Gómez

Surname(s): **García Gómez**
 Name: **Hermenegildo**
 ORCID: **0000-0002-9664-493X**
 ResearcherID: **E-3296-2010**
 Personal web page: **<https://hermenegildogarciagroup.es/>**

Current professional situation

Employing entity: UNIVERSITAT POLITÈCNICA DE VALÈNCIA
Type of entity: University
Department: D. Química, E.T.S.I. Industriales
Professional category: Catedrático/a de Universidad
Educational Management (Yes/No): Yes
Email: hgarcia@qim.upv.es
Start date: 27/03/1996
Type of contract: Civil servant
Dedication regime: Full time

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universitat Politècnica de València	Catedrático/a de Universidad	27/03/1996
2	Universitat Politècnica de València	Profesor/a Titular de Universidad	08/08/1986
3	Universitat Politècnica de València	Profesor/a colaborador/a	01/03/1985

- 1 Employing entity:** Universitat Politècnica de València
Professional category: Catedrático/a de Universidad
Start date: 27/03/1996 **Duration:** 134 months
- 2 Employing entity:** Universitat Politècnica de València
Professional category: Profesor/a Titular de Universidad
Start date: 08/08/1986 **Duration:** 115 months
- 3 Employing entity:** Universitat Politècnica de València
Professional category: Profesor/a colaborador/a
Start date: 01/03/1985 **Duration:** 17 months



Education

University education

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

University degree: Higher degree

Name of qualification: Licenciado en Ciencias Químicas

Degree awarding entity: Universitat de València **Type of entity:** University

Date of qualification: 1979

Prize: Special award for degree

Doctorates

Doctorate programme: Doctor en Química

Degree awarding entity: Universitat de València **Type of entity:** University

City degree awarding entity: Valencia, Valencian Community, Spain

Date of degree: 13/04/1983

Thesis title: Fotoquímica de esteres de enol de dobles enlaces conjugados

Thesis director: Miguel Angel Miranda

Obtained qualification: Sobresaliente "cum laude"

Special doctorate award: Yes

Date of award: 1983

Standardised degree: Yes

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French		C1	B1	B1	A1
English		C1	C1	C1	C1

Teaching experience

General teaching experience

- Type of teaching:** Official teaching
Name of the course: AMPLIACIÓN DE QUÍMICA ORGÁNICA DE PRODUCTOS NATURALES
Course given: 1999
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia



- 2** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 1998
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 9,6
Entity: Universidad Politécnica de Valencia
- 3** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 1999
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 12,9
Entity: Universidad Politécnica de Valencia
- 4** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2000
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 13,9
Entity: Universidad Politécnica de Valencia
- 5** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 7,1
Entity: Universidad Politécnica de Valencia
- 6** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2002
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 7,1
Entity: Universidad Politécnica de Valencia
- 7** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2003
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 7,1
Entity: Universidad Politécnica de Valencia
- 8** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2004
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2,5
Entity: Universidad Politécnica de Valencia



- 9** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2006
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,8
Entity: Universidad Politécnica de Valencia
- 10** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2007
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,8
Entity: Universidad Politécnica de Valencia
- 11** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2008
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,8
Entity: Universidad Politécnica de Valencia
- 12** **Type of teaching:** Official teaching
Name of the course: BASES DE LA QUÍMICA ORGÁNICA INDUSTRIAL
Course given: 2009
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,8
Entity: Universidad Politécnica de Valencia
- 13** **Type of teaching:** Official teaching
Name of the course: Catálisis Heterogénea
Course given: 2012
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: Universidad Politécnica de Valencia
- 14** **Type of teaching:** Official teaching
Name of the course: Catálisis Heterogénea
Course given: 2013
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: Universidad Politécnica de Valencia
- 15** **Type of teaching:** Official teaching
Name of the course: Catálisis Heterogénea
Course given: 2014
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: Universidad Politécnica de Valencia



- 16** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 17** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2002
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 18** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2003
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 19** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2004
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 20** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2005
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 21** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2006
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 22** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2007
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia



- 23** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2008
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 24** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2009
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 25** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2010
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 26** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2011
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 27** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2012
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 28** **Type of teaching:** Official teaching
Name of the course: DETERMINACIÓN DE ESTRUCTURAS ORGÁNICAS
Course given: 2013
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 5,1
Entity: Universidad Politécnica de Valencia
- 29** **Type of teaching:** Official teaching
Name of the course: ESPECTROMETRIA DE MASAS..
Course given: 2000
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia



- 30** **Type of teaching:** Official teaching
Name of the course: ESPECTROMETRIA DE MASAS..
Course given: 2002
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 31** **Type of teaching:** Official teaching
Name of the course: ESPECTROMETRIA DE MASAS..
Course given: 2004
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 32** **Type of teaching:** Official teaching
Name of the course: ESPECTROMETRIA DE MASAS..
Course given: 2005
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 33** **Type of teaching:** Official teaching
Name of the course: ESPECTROMETRIA DE MASAS..
Course given: 2006
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 34** **Type of teaching:** Official teaching
Name of the course: ESPECTROMETRIA DE MASAS..
Course given: 2007
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 35** **Type of teaching:** Official teaching
Name of the course: EXPERIMENTACIÓN EN QUÍMICA
Course given: 1999
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,01
Entity: Universidad Politécnica de Valencia
- 36** **Type of teaching:** Official teaching
Name of the course: EXPERIMENTACIÓN EN QUÍMICA
Course given: 2000
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: Universidad Politécnica de Valencia



- 37** **Type of teaching:** Official teaching
Name of the course: FUNDAMENTOS QUÍMICOS DE LA INGENIERÍA
Course given: 1998
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 7,48
Entity: Universidad Politécnica de Valencia
- 38** **Type of teaching:** Official teaching
Name of the course: GREEN CHEMISTRY
Course given: 2004
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4
Entity: Universidad Politécnica de Valencia
- 39** **Type of teaching:** Official teaching
Name of the course: GREEN CHEMISTRY
Course given: 2005
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4
Entity: Universidad Politécnica de Valencia
- 40** **Type of teaching:** Official teaching
Name of the course: METODOS DE SÍNTESIS EN FASE HETEROGÉNEA
Course given: 2004
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 41** **Type of teaching:** Official teaching
Name of the course: METODOS DE SÍNTESIS EN FASE HETEROGÉNEA
Course given: 2006
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 42** **Type of teaching:** Official teaching
Name of the course: METODOS DE SÍNTESIS EN FASE HETEROGÉNEA
Course given: 2008
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 43** **Type of teaching:** Official teaching
Name of the course: ORGANIC SPECTROSCOPY
Course given: 2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4
Entity: Universidad Politécnica de Valencia



- 44** **Type of teaching:** Official teaching
Name of the course: ORGANIC SPECTROSCOPY
Course given: 2002
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4
Entity: Universidad Politécnica de Valencia
- 45** **Type of teaching:** Official teaching
Name of the course: ORGANIC SPECTROSCOPY
Course given: 2003
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4
Entity: Universidad Politécnica de Valencia
- 46** **Type of teaching:** Official teaching
Name of the course: ORGANIC SPECTROSCOPY
Course given: 2004
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4
Entity: Universidad Politécnica de Valencia
- 47** **Type of teaching:** Official teaching
Name of the course: QUÍMICA ORGÁNICA
Course given: 2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 7
Entity: Universidad Politécnica de Valencia
- 48** **Type of teaching:** Official teaching
Name of the course: Química en las Energías renovables
Course given: 2014
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 49** **Type of teaching:** Official teaching
Name of the course: Química en las Energías renovables
Course given: 2015
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 50** **Type of teaching:** Official teaching
Name of the course: Química en las Energías renovables
Course given: 2016
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia

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CURRÍCULUM VITAE NORMALIZADO

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- 51** **Type of teaching:** Official teaching
Name of the course: SÍNTESIS ORGÁNICA APLICADA (UPV, UB)
Course given: 2009
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 52** **Type of teaching:** Official teaching
Name of the course: SÍNTESIS ORGÁNICA APLICADA (UPV, UB)
Course given: 2010
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Valencia
- 53** **Type of teaching:** Official teaching
Name of the course: Síntesis y caracterización de catalizadores
Course given: 2015
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Valencia
- 54** **Type of teaching:** Official teaching
Name of the course: Síntesis y caracterización de catalizadores
Course given: 2016
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 0,1
Entity: Universidad Politécnica de Valencia
- 55** **Type of teaching:** Official teaching
Name of the course: Trabajo de Laboratorio
Course given: 2012
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2
Entity: Universidad Politécnica de Valencia
- 56** **Type of teaching:** Official teaching
Name of the course: Trabajo de Laboratorio
Course given: 2013
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2
Entity: Universidad Politécnica de Valencia
- 57** **Type of teaching:** Official teaching
Name of the course: Trabajo de Laboratorio
Course given: 2014
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2
Entity: Universidad Politécnica de Valencia



Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Obtención de combustibles solares usando fotocatalizadores a base de grafeno
Entity: Universidad Politécnica de Valencia **Type of entity:** University
Date of reading: 25/04/2019
- 2** **Project title:** Heterojunctions of defective graphenes with 2D materials and metal nanoplatelets: preparation and catalytic applications
Entity: Universidad Politécnica de Valencia **Type of entity:** University
Date of reading: 04/10/2018
- 3** **Project title:** Grafenos como carbocatalizadores y soporte de nanopartículas metálicas orientadas
Entity: Universitat Politècnica de Valencia
Student: Iván Esteve
Date of reading: 26/01/2018
- 4** **Project title:** Développement de nouveaux catalyseurs hétérogènes par modification de polymères issus de la biomasse
Entity: Universidad Cady Ayad Marrakech
Date of reading: 10/01/2018
- 5** **Project title:** Metal nanoparticles supported on graphene as heterogeneous catalysts
Entity: Universidad Cady Ayad Marrakech
Student: Sana Frindy
Date of reading: 09/01/2018
- 6** **Project title:** Grafenos y materiales derivados como catalizadores pseudohomogéneos en reacciones orgánicas
Entity: Universidad Politécnica de Valencia **Type of entity:** University
Student: Juan Francisco Blández Barradas
Date of reading: 11/05/2017
- 7** **Project title:** DISEÑO DE UNA PLANTA PILOTO PARA LA OBTENCIÓN DE PRODUCTOS DE ALTO VALOR AÑADIDO A PARTIR DE LA OXIDACIÓN AERÓBICA DE FRACCIONES DEL PETRÓLEO EMPLEANDO SÓLIDOS METAL-ORGÁNICOS, MIL-101 (Cr) y (Fe) COMO CATALIZADORES HETEROGÉNEOS
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: SANTIAGO PORTILLO ANDREA
Obtained qualification: 9.2
Date of reading: 29/07/2015
- 8** **Project title:** Nanomateriales basados en grafeno y su aplicación en nuevos sistemas de energía
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Marcos Latorre Sánchez
Obtained qualification: SOBRESALIENTE (cum laude)
Date of reading: 29/07/2015
Quality recognition: No



- 9** **Project title:** Photocatalyst based on titanium or iron semiconductors for the generation of hydrogen from water upon solar irradiation
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Marco Serra
Obtained qualification: SOBRESALIENTE (cum laude)
Date of reading: 05/03/2015
Quality recognition: No
- 10** **Project title:** MATERIALES HÍBRIDOS METAL-ORGÁNICOS COMO CATALIZADORES DE OXIDACIÓN AERÓBICA PARA LA DESULFURACIÓN DE MODELOS DEL GASÓIL
Type of project: Minor thesis
Entity: Universitat Politècnica de València
Student: GOMEZ PARICIO ADRIAN
Obtained qualification: 8.0
Date of reading: 23/09/2014
- 11** **Project title:** ESTUDIO DE LA FOTORRESPUESTA A LA LUZ VISIBLE DE NANOPARTÍCULAS DE ORO DEPOSITADAS SOBRE ÓXIDO DE TITANIO
Type of project: Minor thesis
Entity: Universitat Politècnica de València
Student: ALBARRACIN SANCHEZ FERRAN
Obtained qualification: 9.0
Date of reading: 24/07/2014
- 12** **Project title:** ESTUDIO DE GRAFENOS DOPADOS Y SUS PROPIEDADES CATALÍTICAS PARA REEMPLAZAR METALES EN LA REACCIÓN DE FENTÓN
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: RUIZ CORNEJO JUAN CARLOS
Obtained qualification: 9.5
Date of reading: 28/03/2014
- 13** **Project title:** Graphene and titanium based semiconductors in photocatalytic hydrogen and oxygen generation and hydrogenation of organics also in membrane reactors
Type of project: Doctoral thesis
Entity: UNIVERSITÀ DELLA CALABRIA
Student: Cristina Lavorato
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 31/01/2014
- 14** **Project title:** SÍNTESI DE PEL·LÍCULES DE GRAFÈ DOPAT SOBRE SUBSTRATS A PARTIR DE BIOMASSA
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: MARTINEZ TOMAS JOSEP
Obtained qualification: 9.5
Date of reading: 20/12/2013
- 15** **Project title:** DISEÑO, CONSTRUCCIÓN Y PUESTA A PUNTO DE UN SISTEMA MULTIMUESTRA DE ALTA EFICIENCIA PARA LA PRODUCCIÓN DE HIDRÓGENO MEDIANTE LA ROTURA FOTOCATALÍTICA DEL AGUA UTILIZANDO UN SIMULADOR SOLAR.



Type of project: End of course project
Entity: Universitat Politècnica de València
Student: ALBARRACIN SANCHEZ FERRAN
Obtained qualification: 8.5
Date of reading: 25/10/2013

16 Project title: KINETIC STUDY OF COMMERCIAL CATALYST USED IN CATALYTIC STEAM REFORMING OF METHANOL FOR ITS APPLICATION IN THE DESIGN OF PORTABLE FUEL CELLS

Type of project: End of course project
Entity: Universitat Politècnica de València
Student: VIDAL VAZQUEZ FRANCISCO DE SALES
Obtained qualification: 9.5
Date of reading: 26/07/2013

17 Project title: Activació d'hidrocarburs i òxids de carboni mitjançant fotocatalisi

Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: FRANCESC SASTRE CALABUIG
Obtained qualification: SOBRESALIENTE (cum laude)
Date of reading: 19/07/2013
Quality recognition: No

18 Project title: DISEÑO DE MATERIALES BASADOS EN SENSIBILIZADORES ANCLADOS A SOPORTES CONDUCTORES TIPO GRAFENO PARA LA CONSTRUCCIÓN DE DISPOSITIVOS FOTOVOLTAICOS.

Type of project: End of course project
Entity: Universitat Politècnica de València
Student: RODRIGUEZ RUZAFI ROBERTO
Obtained qualification: 9.5
Date of reading: 26/04/2013

19 Project title: ESTUDIO DE CATALIZADORES HETEROGÉNEOS Y REUTILIZABLES PARA LA FIJACIÓN DE DIÓXIDO DE CARBONO CON DIAMINAS

Type of project: End of course project
Entity: Universitat Politècnica de València
Student: AGUADO SARRIO ERIC
Obtained qualification: 9.5
Date of reading: 30/11/2012

20 Project title: APLICACIÓN DE FENÓMENOS DE AUTO-ENSAMBLAJE Y ASOCIACIÓN SUPRAMOLECULAR CON CUCURBIT[n]URIL PARA EL DESARROLLO DE MATRICES DE SENSORES Y MATERIALES FUNCIONALES

Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Mireia Buaki Sogo
Obtained qualification: APTO (cum laude)
Date of reading: 19/10/2012
Quality recognition: Yes

21 Project title: INFLUENCIA DEL MÉTODO DE FUNCIONALIZACIÓN DE LAS NANOPARTÍCULAS COMERCIALES DE DIAMANTE (DNPS) EN LA ACTIVIDAD FOTOCATALÍTICA DE MATERIAL AY/DNP PARA LA REACCIÓN HOMOGÉNEA DE FOTO-FENTON



Type of project: Minor thesis
Entity: Universitat Politècnica de València
Student: SEMPERE ARACIL DAVID
Obtained qualification: 9.0
Date of reading: 26/07/2012

22 **Project title:** SISTEMA DE CARACTERIZACIÓN DE CELDAS SOLARES ORGÁNICAS BASADAS EN NUEVOS COLORANTES.

Type of project: End of course project
Entity: Universitat Politècnica de València
Student: HERRERO PONCE CRISTINA
Obtained qualification: 9.3
Date of reading: 27/04/2012

23 **Project title:** Estudio de los fenómenos de transferencia electrónica fotoinducida en nuevos polifluorenos, sistemas conteniendo viológeno y materiales reticulares metal-orgánico

Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Maykel De Miguel De La Torre
Obtained qualification: APTO (cum laude)
Date of reading: 17/04/2012
Quality recognition: Yes

24 **Project title:** PREPARACIÓN Y CARACTERIZACIÓN DE CAPAS FINAS POR "SPRAY PYROLYSIS" PARA DISPOSITIVOS DE CONVERSIÓN ENERGÉTICA

Type of project: End of course project
Entity: Universitat Politècnica de València
Student: GARCIA TORREGROSA IVAN
Obtained qualification: 9.2
Date of reading: 30/09/2011

25 **Project title:** ELIMINACIÓN FOTOCATALÍTICA DEL OXIDO NÍTRICO (NO)

Type of project: Minor thesis
Entity: Universitat Politècnica de València
Student: DOMINGUEZ TORRES ESTHER
Obtained qualification: 9.0
Date of reading: 26/09/2011

26 **Project title:** THE SYNTHESIS OF A HYBRID GRAHENE-NICKEL/MANGANESE MIXED OXIDE AND ITS PERFORMANCE IN LITHUIM-ION BATTERIES

Type of project: Minor thesis
Entity: Universitat Politècnica de València
Student: LATORRE SANCHEZ MARCOS
Obtained qualification: 9.0
Date of reading: 26/09/2011

27 **Project title:** The synthesis of a hybrid graphene-nickel/manganese mixed oxide and its performance in lithium-ion batteries

Type of project: Minor thesis
Entity: Universidad Politécnica de Valencia
Student: 13



Obtained qualification: 9.0
Date of reading: 26/09/2011

- 28** **Project title:** Alternativas al fosgeno en la síntesis de carbonatos orgánicos y carbamatos
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Raquel Juárez Marín
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 05/09/2011
Quality recognition: No
- 29** **Project title:** CARBAMOILACIÓN DE AMINAS ALIFATICAS EMPLEANDO DIMETILCARBONATO Y NANOPARTICULAS DE ORO SOPORTADAS SOBRE OXIDO DE CERIO COMO CATALIZADOR
Type of project: Minor thesis
Entity: Universitat Politècnica de València
Student: SERRA MARCO
Obtained qualification: 8.0
Date of reading: 22/07/2011
- 30** **Project title:** Funcionalización de nanomateriales de carbono: Propiedades optoelectrónicas de nanotubos de carbono y aplicaciones de nanopartículas de diamante en catálisis y biocatálisis
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: ROBERTO MARTÍN GONZÁLEZ
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 24/06/2011
Quality recognition: No
- 31** **Project title:** Sistemas electrónicos para la caracterización de la conductividad y electroluminiscencia de materiales inorgánicos y poliméricos. Modelado de dispositivos OLEDs precomerciales
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: DAVID FABUEL RUIZ
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 16/11/2010
Quality recognition: No
- 32** **Project title:** DESARROLLO DE NUEVOS CATALIZADORES HETEROGÉNEOS PARA LA REACCIÓN DE FENTON. DISEÑO DE UNA PLANTA PILOTO PARA SU ESTUDIO A ESCALA PREINDUSTRIAL
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: SOLIS VALLCANERA DAVID
Obtained qualification: 9.5
Date of reading: 24/09/2010
- 33** **Project title:** Parámetros de calidad del agua relacionados con la presencia de materia orgánica y microorganismos
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Sergio Navalón Oltra
Obtained qualification: SOBRESALIENTE CUM LAUDE



Date of reading: 09/06/2010

Quality recognition: No

34 Project title: ADICIÓN DE MICHAEL DE β -CETOESTERES A A, β -ENONAS CATALIZADOS POR ZEOLITAS BETA INTERCAMBIADAS CON FE (III)

Type of project: Minor thesis

Entity: Universitat Politècnica de València

Student: SASTRE CALABUIG FRANCESC

Obtained qualification: 9.0

Date of reading: 21/12/2009

35 Project title: PREPARACIÓN Y CARACTERIZACIÓN DE TRANSISTORES Y CELDAS ELECTROLUMINISCENTES BASADOS EN POLÍMEROS ORGÁNICOS CONJUGADOS.

Type of project: End of course project

Entity: Universitat Politècnica de València

Student: MASCARELL VAYA CLAUDIA

Obtained qualification: 9.3

Date of reading: 27/11/2009

36 Project title: ESTUDIO FOTOFÍSICO DE POLÍMEROS CONDUCTORES DERIVADOS DE POLIFLUORENO.

Type of project: Work leading to an ASD

Entity: Universitat Politècnica de València

Student: DE MIGUEL DE LA TORRE MAYKEL

Date of reading: 06/11/2009

37 Project title: MACROCICLOS NITROGENADOS COMO LIGANDO DE ANIONES EN DISOLUCIONES ACUOSAS

Type of project: Work leading to an ASD

Entity: Universitat Politècnica de València

Student: BUAKI SOGO MIREIA

Date of reading: 06/11/2009

38 Project title: Preparación y caracterización de celdas solares basadas en materiales periódicos porosos.

Type of project: Doctoral thesis

Entity: Universitat Politècnica de València

Student: Laura Teruel Biosca

Obtained qualification: SOBRESALIENTE CUM LAUDE

Date of reading: 05/06/2009

Quality recognition: No

39 Project title: Sistemas supramoleculares basados en la encapsulación en cucurbit(n)uriles

Type of project: Doctoral thesis

Entity: Universitat Politècnica de València

Student: Pedro Manuel Montes Navajas

Obtained qualification: SOBRESALIENTE CUM LAUDE

Date of reading: 30/04/2009

Quality recognition: Yes

40 Project title: DISEÑO DE UN LABORATORIO I+D PARA LA PREPARACIÓN DE MATERIALES TIPO MOF Y SU EMPLEO EN LA FABRICACIÓN DE CELDAS FOTOVOLTAICAS Y OTRAS APLICACIONES EN QUÍMICA FINA.

Type of project: End of course project



Entity: Universitat Politècnica de València
Student: LUZ MINGUEZ IGNACIO
Obtained qualification: 9.2
Date of reading: 30/01/2009

41 Project title: FUNCIONALIZACIÓN DE NANOTUBOS DE PARES ÚNICA Y MEDIDA DE SUS PROPIEDADES OPTOELECTRÓNICAS

Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: MARTIN GONZALEZ ROBERTO
Date of reading: 27/01/2009

42 Project title: METILACIONES DE AMINAS CON DIMETILCARBONATO

Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: JUAREZ MARIN RAQUEL
Date of reading: 27/01/2009

43 Project title: GENERACIÓ D'HIDROGEN MITJANÇANT TRENCAMENT FOTOCATALITIC DE L'AIGUA

Type of project: End of course project
Entity: Universitat Politècnica de València
Student: SASTRE CALABUIG FRANCESC
Obtained qualification: 9.5
Date of reading: 31/10/2008

44 Project title: Preparación de materiales electroluminiscentes basados en compuestos adsorbidos en el interior de sólidos porosos.

Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: JOSÉ FRANCISCO CABEZA MARTÍNEZ
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 16/10/2008
Quality recognition: No

45 Project title: Modificaciones superficiales de hidrofiliidad/hidrofobicidad y propiedades antibacterianas de los tejidos mediante plasma, plasma polimerización y deposición de plata.

Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: MARÍA ISABEL SORIANO SARRIÓ
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 09/05/2008
Quality recognition: No

46 Project title: PREPARACIÓN DE MEMBRANAS CON RESPUESTA FOTOVOLTAICA PARA CELDAS SOLARES

Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: TERUEL BIOSCA LAURA
Date of reading: 29/01/2008



- 47** **Project title:** Fotocatalizadores conteniendo especies orgánicas o inorgánicas encapsuladas en sólidos micro o mesoporosos
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: ESTHER JOAQUINA CARBONELL LLOPIS
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 26/04/2007
Quality recognition: No
- 48** **Project title:** Síntesis y propiedades fotofísicas de nanotubos de carbono de pared única funcionalizados y aplicaciones
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Pedro Enrique Atienzar Corvillo
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 30/03/2007
Quality recognition: No
- 49** **Project title:** ESTUDIOS PARA LA POTABILIZACIÓN DEL AGUA POR TRATAMIENTO FOTOQUÍMICO
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: NAVALON OLTRA SERGIO
Date of reading: 30/01/2007
- 50** **Project title:** Preparación y caracterización de polímeros electroluminiscentes encapsulados en materiales nanoporosos inorgánicos
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: ENCARNACIÓN PERIS SANCHIS
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 26/01/2007
Quality recognition: No
- 51** **Project title:** Oxidación aeróbica de alcoholes catalizada por nanopartículas de oro
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: ALBERTO ABAD FUENTES
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 19/01/2007
Quality recognition: No
- 52** **Project title:** ELECTROLUMINISCENCIA DE MATERIALES HIBRIDOS ORGANICOS INORGANICOS MESOPOROSOS
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: CABEZA MARTINEZ JOSE FRANCISCO
Date of reading: 30/10/2006
- 53** **Project title:** PREPARACIÓN DE NANOPARTÍCULAS DE ORO ENCAPSULADAS EN EL INTERIOR DE CUCURBITURILES
Type of project: Work leading to an ASD



Entity: Universitat Politècnica de València
Student: MONTES NAVAJAS PEDRO MANUEL
Date of reading: 03/10/2006

- 54** **Project title:** Catalizadores heterogéneos de paladio en reacciones de formación de enlace carbono-carbono
Type of project: Doctoral thesis
Entity: UNIVERSIDAD POLITECNICA DE VALENCIA
Student: ANA PRIMO ARNAU
Obtained qualification: Apto
Date of reading: 27/07/2006
- 55** **Project title:** Catalizadores heterogéneos de paladio en reacciones de formación de enlace carbono-carbono
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Ana María Primo Arnau
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 21/07/2006
Quality recognition: No
- 56** **Project title:** Organosilíceos mesoporosos periódicos con fotoactividad
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Miriam Benitez Serra
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 15/02/2006
Quality recognition: No
- 57** **Project title:** Organosilices periódicas mesoporosas con fotoactividad
Type of project: Doctoral thesis
Entity: UNIVERSIDAD POLITECNICA DE VALENCIA
Student: MIRIAM BENÍTEZ SERRA
Obtained qualification: Apto
Date of reading: 30/01/2006
- 58** **Project title:** NANOTUBOS DE CARBONO CONTENIENDO PIRENO COMO GRUPO CROMÓFORO: FLUORESCENCIA Y REFLECTANCIA DIFUSA POR LA TÉCNICA DE DESTELLO LÁSER.
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: ATIENZAR CORVILLO PEDRO ENRIQUE
Date of reading: 26/01/2006
- 59** **Project title:** SENSORES DERIVADOS DE ALIZARINA SOPORTADOS EN SILICE.
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: PERIS SANCHIS ENCARNACION
Date of reading: 26/01/2006
- 60** **Project title:** APLICACIÓN DE UN SISTEMA FOTOCATALÍTICO DE TIO₂ (UBE) INTEGRADO EN UNA RED DE SÍLICE, EN PROCESOS DE ELIMINACIÓN DE LEGIONELLA PNEUMOPHILA DE LOS CIRCUITOS DE AGUA INSTALADOS EN TORRES DE REFRIGERACIÓN Y HUMIDIFICACIÓN. ESTUDIO DE OTRAS APLICACIONES EN PROCESOS DE DESCONTAMINACIÓN.



Type of project: End of course project
Entity: Universitat Politècnica de València
Student: REQUENA SAIZ MARIA DE LAS MERCEDES
Obtained qualification: 10.0
Date of reading: 27/05/2005

61 **Project title:** Compuestos de Paladio soportados en distintos materiales. Aplicación en Catálisis heterogénea
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Antonio Leyva Perez
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 16/03/2005
Quality recognition: No

62 **Project title:** PREPARACIÓN DE UN SOLIDO ORGANOSILICIO MESOPOROSO CONTENIENDO UN COMPONENTE ORGANICO QUIRAL INCORPORADO EN LA PARED
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: BENITEZ SERRA MIRIAM
Date of reading: 28/01/2005

63 **Project title:** THIOPIRILIO EN ZEOLITAS COMO CATALIZADOR
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: CARBONELL LLOPIS ESTHER JOAQUINA
Date of reading: 28/01/2005

64 **Project title:** DISEÑO DE UN SISTEMA DE LLENADO A VACIO PARA LA INTRODUCCIÓN DE UN ELECTROLITO GEL EN UN SISTEMA COMPACTO DE ACUMULADORES URLA DE 36 VOLTIOS.
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: SANZ GONZALEZ SERGIO
Obtained qualification: 9.7
Date of reading: 30/04/2004

65 **Project title:** ACTUACIONES DESTINADAS A LA MEJORA DE LA CALIDAD DEL AGUA DE ABASTECIMIENTO A LA CIUDAD DE VALENCIA Y SU ÁREA METROPOLITANA.
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: GAMBORINO TALENS MARIA
Obtained qualification: 10.0
Date of reading: 27/02/2004

66 **Project title:** Complejos de vanadio y cromo anclados covalentemente como catalizadores en química fina
Type of project: Doctoral thesis
Entity: FAC. BELLAS ARTES LISBOA
Student: CARLOS CALISTO BALEIZAO
Obtained qualification: Apto
Date of reading: 21/02/2004



- 67** **Project title:** DISEÑO DE UNA PLANTA PREINDUSTRIAL DESTINADA A LA FABRICACIÓN DE BATERIAS DE 42 V PARA COCHES HÍBRIDOS: DESARROLLO DE UN HIDROGEL CONDUCTOR ESTABLE FRENTE A 16 AMPERIOS/KG DE MATERIA ACTIVA.
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: FALOMIR VICENTE PILAR
Obtained qualification: 10.0
Date of reading: 27/06/2003
- 68** **Project title:** DISEÑO, PUESTA A PUNTO Y PREPARACIÓN DE UNA TÉCNICA DE RECUBRIMIENTO DE TiO₂ PREPARADOS POR EL SISTEMA DE " MAGNETRON SPUTTERING"
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: CAJA BORREDA INES LUCIA
Obtained qualification: 9.5
Date of reading: 27/06/2003
- 69** **Project title:** DISEÑO Y OPTIMIZACIÓN DEL PROCESO DE GENERACIÓN DE DIÓXIDO DE CLORO COMO ALTERNATIVA A LA CLORACIÓN EN UNA PLANTA DE POTABILIZACIÓN A ESCALA PILOTO. APLICACIÓN DE LA TÉCNICA A SISTEMAS MODELO.
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: NAVALON OLTRA SERGIO
Obtained qualification: 10.0
Date of reading: 28/02/2003
- 70** **Project title:** Viológenos como aceptores en procesos de transferencia electrónica fotoinducida en: Complejos Dador-Aceptor y máquinas moleculares en el interior de zeolitas e incorporados en las paredes de silicatos periódicos mesoporosos
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: Rosa Belén Ferrer Ribera
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 03/10/2002
Quality recognition: No
- 71** **Project title:** TÉCNICA DE DESTELLO LÁSER EN ESCALA DE TIEMPOS DE NANOSEGUNDOS APLICADA AL ESTUDIO DEL COMPORTAMIENTO MECÁNICO DE MOTORES MOLECULARES
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: ATIENZAR CORVILLO PEDRO ENRIQUE
Obtained qualification: 10.0
Date of reading: 26/07/2002
- 72** **Project title:** Fenómenos de transferencia electrónica fotoinducida en agregados nanoscópicos de TiO₂ encapsulados en zeolitas en presencia y ausencia de fotosensibilizadores dadores y/o aceptores de electrones.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: MARÍA DE SALES GALLETERO PEDROCHE
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 28/06/2002
Quality recognition: No



- 73** **Project title:** REESTRUCTURACIÓN Y ADAPTACIÓN DE UNA PLANTA DE POTABILIZACIÓN A ESCALA PILOTO PARA EL ENSAYO DE NUEVAS TÉCNICAS DE TRATAMIENTO.
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: VAYA BAYO JAVIER
Obtained qualification: 9.5
Date of reading: 31/05/2002
- 74** **Project title:** Zeolitas y silicatos mesoporosos como matrices rígidas en inducción asimétrica. Reacciones fotoquímicas de compuestos orgánicos en presencia de inductores quirales y de complejos metálicos de bases de Schiff quirales.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: PILAR FORMENTIN VALLÉS
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 30/05/2002
Quality recognition: No
- 75** **Project title:** HIDRÒLISI OXIDATIVA DE DERIVATS NITROGENATS DE CETONES AMB EL COMPLEX (NME4)2(NIME2OPBA) I O2/RCHO
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: GALLETERO PEDROCHE MARIA DE SALES
Date of reading: 02/01/2002
- 76** **Project title:** Fotoquímica aplicada al estudio de metales incorporados en óxidos metálicos y aluminosilicatos cristalinos ordenados.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: EMILIO JOSÉ PALOMARES GIL
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 28/09/2001
Quality recognition: No
- 77** **Project title:** PROPIEDADES ESPECTROSCÓPICAS DE LOS COMPLEJOS CON GRUPOS VANADILLO.
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: PALOMARES GIL EMILIO JOSE
Date of reading: 02/07/2001
- 78** **Project title:** Zeolitas como matrices rígidas donde incorporar y caracterizar especies orgánicas adsorbidas en su interior. Estudio de complejos de transferencia de carga, carbocationes, cationes radicales y compuestos fotocromicos.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: ISABEL INES CASADES GONZALO
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 27/04/2001
Quality recognition: No



- 79** **Project title:** DESCARBOXILACIÓ OXIDATIVA DE HIDROXIÀCIDS. EL MANDELAT DE METIL COM A EQUIVALENT SINTÈTIC DE L'ANIÓ BENZOIL.
Type of project: Work leading to an ASD
Entity: Universitat Politècnica de València
Student: FORMENTIN VALLES PILAR
Date of reading: 02/01/2001
- 80** **Project title:** DESARROLLO DE UN REACTOR FOTOQUÍMICO EN CONTINUO A ESCALA PILOTO, BASADO EN TÉCNICAS DE FOTOXIDACIÓN AVANZADAS, INTEGRADO EN UNA PLANTA EXPERIMENTAL POTABILIZADORA.
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: VAYA ALONSO JOSE LUIS
Obtained qualification: 9.5
Date of reading: 30/06/2000
- 81** **Project title:** APLICACION DE TECNICA DE OXIDACION AVANZADA A PROCESOS DE POTABILIZACION EN CONTINUO
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: HIDALGO PRADO EVA
Obtained qualification: 10.0
Date of reading: 31/03/2000
- 82** **Project title:** El Cation 2,4,6 - Trifenilpirilio encapsulado en la zeolita-Y como un nuevo sistema fotocatalítico alternativo al óxido de titanio
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: ANA SANJUAN ALEIXANDRE
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 03/12/1999
Quality recognition: No
- 83** **Project title:** ALUMINOSILICATO MESOPOROSO MCM-41 Y ZEOLITAS MODIFICADAS COMO CATALIZADORES EN REACCIONES DE FRIEDEL-CRAFTS Y EN PROCESOS OXIDATIVOS
Type of project: Doctoral thesis
Entity: POLITECNICA DE VALENCIA
Student: ELVIRA ARMENGOL
Obtained qualification: Apto
Date of reading: 21/12/1998
- 84** **Project title:** Zeolitas como matrices rígidas para la generación y el control de las propiedades fotoquímicas de especies orgánicas catiónicas y zwitteriónicas.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: MARIA LUZ CANO MONTERO
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 06/07/1998
Quality recognition: No



- 85** **Project title:** COMPLEJOS DE TRANSFERENCIA DE CARGA Y ORGANOMETALICOS EN ZEOLITAS. CARACTERIZACION Y PROPIEDADES FOTOQUIMICAS
Type of project: Doctoral thesis
Entity: POLITECNICA DE VALENCIA
Student: SARA GARCÍA TROBAT
Obtained qualification: Apto
Date of reading: 22/06/1998
- 86** **Project title:** Especies organicas positivas en el interior de zeolitas: Generacion, estudio y propiedades.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: VICENTE MARTI BARTUAL
Obtained qualification: APTO CUM LAUDE
Date of reading: 26/04/1997
Quality recognition: No
- 87** **Project title:** Reactividad de acetatos de Enol de Aril Cetonas inducida por Absorción de Luz UV o por Sensibilización Fotoquímica.
Type of project: Doctoral thesis
Entity: Universitat Politècnica de València
Student: M. VICENTA BALDOVI SEGUI
Obtained qualification: APTO CUM LAUDE
Date of reading: 28/02/1991
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:** ECO2fuel. Programa Horizon2020
Funding entity or bodies: Comisión Europea **Type of entity:** UE
Start-End date: 01/10/2021 - 30/09/2026
Total amount: 591.250 €
- 2** **Name of the project:** INTERNATIONAL COOPERATION FOR SELECTIVE CONVERSION OF CO2 INTO METHANOL
Entity where project took place: Universitat Politècnica de València
Nº of researchers: 2
Funding entity or bodies: COMISION DE LAS COMUNIDADES EUROPEA
Start-End date: 01/07/2021 - 01/01/2025
Total amount: 468.001 €



- 3** **Name of the project:** Programa PROMETEO/2021/038
Entity where project took place: Universitat Politècnica de Valencia **Type of entity:** University
N° of researchers: 3
Funding entity or bodies: Generalitat Valenciana **Type of entity:** Generalitat Valenciana
Start-End date: 01/11/2021 - 31/12/2024
Total amount: 475.000 €
- 4** **Name of the project:** AYUDA PREDOCTORAL AEI-RAMIREZ GRAU. PROYECTO: HETEROUNION
Entity where project took place: Universidad Politècnica de Valencia **Type of entity:** University
N° of researchers: 3
Funding entity or bodies: AGENCIA ESTATAL DE INVESTIGACION
Start-End date: 01/10/2020 - 01/10/2024
- 5** **Name of the project:** Training the next generation of scientists in solar chemicals for a sustainable Europe by hybrid molecule/semiconductor devices
Entity where project took place: Universidad Politècnica de Valencia **Type of entity:** University
N° of researchers: 2
Funding entity or bodies: COMISION DE LAS COMUNIDADES EUROPEA
Start-End date: 01/02/2020 - 01/07/2024
Total amount: 243.360 €
- 6** **Name of the project:** SOLAR2CHEM. Programa Marie Curie
Entity where project took place: Universitat Politècnica de Valencia
N° of researchers: 1
Funding entity or bodies: Comisión Europea **Type of entity:** EU
Start-End date: 01/02/2020 - 30/06/2024
- 7** **Name of the project:** HETEROGENOUS PHOTO (ELECTRO)CATALYSIS IN FLOW USING CONCENTRATED LIGHT: MODULAR INTEGRATED DESIGNS FOR THE PRODUCTION OF USEFUL CHEMICALS Visible MSCA-ITN-2019-ETN/N° 861151 01/02/2020 Training the next generation of scientists in solar chemicals for a sustainable Europe by hybrid molecule/semiconductor devices
Entity where project took place: Universidad Politècnica de Valencia **Type of entity:** University
N° of researchers: 3
Funding entity or bodies: COMISION DE LAS COMUNIDADES EUROPEA
Start-End date: 01/06/2020 - 01/06/2024
- 8** **Name of the project:** MEtal NAnoClusters for Electrocatalytic CO2 conversion
Entity where project took place: Universitat Politècnica de València **Type of entity:** University
City of entity: Valencian Community, Spain



Nº of researchers: 3

Funding entity or bodies:

COMISION DE LAS COMUNIDADES EUROPEA

Start-End date: 01/09/2021 - 01/09/2023

Total amount: 172.932 €

9 Name of the project: MENACE-CO2 . Programa Marie Curie

Entity where project took place: Universitat Politecnica de Valencia

Nº of researchers: 1

Funding entity or bodies:

Comisión Europea

Type of entity: EU

Start-End date: 01/09/2021 - 31/08/2023

Total amount: 172.932 €

10 Name of the project: ADQUISICION DE UN MICROSCOPIO DE RAYOS X PARA EL SERVICIO DE MICORSCOPIA ELECTRONICA DE LA UPV

Entity where project took place: Universidad
Politécnica de Valencia

Type of entity: University

Nº of researchers: 7

Funding entity or bodies:

GENERALITAT VALENCIANA

Start-End date: 01/01/2021 - 01/01/2023

11 Name of the project: Materiales LDH de Titanio en momocapas como fotocatalizadores

Entity where project took place: Universidad
Politécnica de Valencia

Type of entity: University

City of entity: valencia, Spain

Nº of researchers: 2

Start-End date: 03/09/2019 - 03/09/2022

12 Name of the project: Ayuda predoctoral FPU-Garcia Mulero.

Entity where project took place: Universidad
Politécnica de Valencia

Type of entity: University

City of entity: Valencia, Spain

Nº of researchers: 3

Start-End date: 01/03/2019 - 01/03/2022

Total amount: 60.686 €

13 Name of the project: Heterouniones de grafeno con configuracion controlada. Sintesis y aplicaciones como soporte en catalisis y electrodos

Entity where project took place: Universidad
Politécnica de Valencia

Type of entity: University

Nº of researchers: 3

Start-End date: 01/01/2019 - 01/01/2022

Total amount: 260.150 €

14 Name of the project: Programa PROMETEO/2017/083

Entity where project took place: Universidad
Politécnica de Valencia

Type of entity: University

Nº of researchers: 3

**Funding entity or bodies:**

Generalitat Valenciana

Type of entity: Generalitat Valenciana**Start-End date:** 01/11/2017 - 01/11/2021**Total amount:** 400.000 €**15 Name of the project:** Programa Estatal de Fomento de la Investigación Científica y Técnica de Excelencia**Entity where project took place:** Universidad
Politécnica de Valencia**Type of entity:** University**Nº of researchers:** 11**Start-End date:** 01/07/2017 - 30/06/2021**16 Name of the project:** Ayudas para contratos predoctorales para la formación de doctores-Rendon Patiño**Entity where project took place:** Universidad
Politécnica de Valencia**Type of entity:** University**Nº of researchers:** 2**Start-End date:** 01/05/2017 - 01/05/2021**Total amount:** 92.750 €**17 Name of the project:** GRAFENO**Entity where project took place:** Universidad
Politécnica de Valencia**Type of entity:** University**Nº of researchers:** 1**Start-End date:** 01/01/2019 - 01/01/2021**Total amount:** 20.000 €**18 Name of the project:** Equipamiento para el laboratorio de caracterización avanzada de materiales sólidos en el Instituto de Tecnología Química**Entity where project took place:** Universidad
Politécnica de Valencia**Type of entity:** University**Nº of researchers:** 35**Start-End date:** 01/01/2018 - 01/01/2021**Total amount:** 660.000 €**19 Name of the project:** UCIE ITQ**Nº of researchers:** 6**Funding entity or bodies:**

AGENCIA VALENCIANA DE LA INNOVACION

Start-End date: 01/01/2020 - 31/12/2020**20 Name of the project:** LOTERCO2M**Entity where project took place:** Universidad
Politécnica de Valencia**Type of entity:** University**Name principal investigator (PI, Co-PI...):** Hermenegildo Garcia; Ana Primo**Nº of researchers:** 2**Funding entity or bodies:**

European comission

Start-End date: 01/01/2018 - 31/12/2020**Total amount:** 300.000 €



- 21** **Name of the project:** Ayuda Santiago Grisolia proyecto: Modelización de Centros Catalíticos en Grafeno
Entity where project took place: Universidad Politécnica de Valencia **Type of entity:** University
N° of researchers: 1
Start-End date: 01/10/2017 - 01/12/2020
Total amount: 66.578 €
- 22** **Name of the project:** ENERGY-X: TRANSFORMATIVE CHEMISTRY FOR A SUSTAINABLE ENERGY FUTURE
Entity where project took place: Universidad Politécnica de Valencia **Type of entity:** University
N° of researchers: 3
Start-End date: 01/03/2019 - 01/03/2020
Total amount: 51.870 €
- 23** **Name of the project:** Formación directa de grafeno sobre superficies plásticas
Entity where project took place: Universidad Politécnica de Valencia **Type of entity:** University
Funding entity or bodies: AGENCIA ESTATAL DE INVESTIGACION
Start-End date: 01/05/2017 - 01/05/2018
Total amount: 54.450 €
- 24** **Name of the project:** Novel catalysts for refining and petrochemistry
Name principal investigator (PI, Co-PI....): Hermenegildo García
Funding entity or bodies: King Abdulaziz City **Type of entity:** University
Start-End date: 01/01/2015 - 01/01/2017
Total amount: 150.000 €
- 25** **Name of the project:** NMP3-SL-2013-604319 Novacam
Name principal investigator (PI, Co-PI....): Hermenegildo García
Funding entity or bodies: EU **Type of entity:** Public Research Body
Start-End date: 01/09/2013 - 01/03/2016
Total amount: 137.100 €
- 26** **Name of the project:** Development of supported structure core-shell Au nanocatalysts for CO2 utilization
Name principal investigator (PI, Co-PI....): Hermenegildo García
Funding entity or bodies: EU **Type of entity:** Public Research Body
Start-End date: 01/01/2014 - 01/01/2016
Total amount: 170.000 €
- 27** **Name of the project:** Reducción fotocatalítica de CO2
Name principal investigator (PI, Co-PI....): Hermenegildo García
Funding entity or bodies: Spanish government **Type of entity:** Public Research Body
Start-End date: 01/01/2013 - 01/01/2016



Total amount: 182.000 €

- 28** **Name of the project:** SP1-JTIFCH.2011.4.4 Being Energy
Name principal investigator (PI, Co-PI....): Hermenegildo García
Funding entity or bodies:
EU **Type of entity:** Public Research Body
Start-End date: 01/09/2012 - 01/09/2015 **Duration:** 36 months
Total amount: 188.740 €
- 29** **Name of the project:** Síntesis de grafeno y derivados como sensores o con propiedades optoelectrónicas
Name principal investigator (PI, Co-PI....): Hermenegildo García
Funding entity or bodies:
Regional government **Type of entity:** Public Research Body
Start-End date: 01/01/2013 - 01/01/2015
Total amount: 124.830 €
- 30** **Name of the project:** PIEF-GA-2011-298740CO2PHOTORED
Name principal investigator (PI, Co-PI....): Hermenegildo García
Funding entity or bodies:
EU **Type of entity:** Public Research Body
Start-End date: 15/10/2012 - 15/10/2014
Total amount: 176.050 €
- 31** **Name of the project:** ZEolitic reactor hosting Subphthalocyanines and Metal Oxides as photocatalytic system for opto-electronic applications
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 2
Funding entity or bodies:
COMISION DE LAS COMUNIDADES EUROPEA
Start date: 01/09/2016 **Duration:** 24 months
Total amount: 158.121,6 €
- 32** **Name of the project:** EXPLOTANDO EL USO DEL GRAFENO EN CATALISIS, USO DEL GRAFENO COMO CARBOCATALIZADOR O COMO SOPORTE.
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 4
Funding entity or bodies:
MINISTERIO DE ECONOMIA INDUSTRIA Y COMPETITIVIDAD
Start date: 01/01/2016 **Duration:** 36 months
Total amount: 214.170 €
- 33** **Name of the project:** AYUDA RAMON Y CAJAL-PRIMO ARNAU
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo



Nº of researchers: 3

Funding entity or bodies:

MINISTERIO DE ECONOMIA INDUSTRIA Y COMPETITIVIDAD

Start date: 06/10/2015

Duration: 61 months

Total amount: 308.600 €

34 Name of the project: NUEVOS FOTOCATALIZADORES BASADOS EN PEROVSKITAS HIBRIDAS HALOGENADAS PARA LA OBTENCION DE COMBUSTIBLES SOLARES A PARTIR DE CO2.

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): Atienzar Corvillo Pedro Enrique

Nº of researchers: 4

Funding entity or bodies:

FUNDACION RAMON ARECES

Start date: 07/04/2015

Duration: 36 months

Total amount: 89.820 €

35 Name of the project: NUEVOS FOTOCATALIZADORES PARA LA GENERACION DE HIDROGENO CON LUZ SOLAR BASADOS EN EL EMPLEO DE BIOPOLIMEROS COMO PLANTILLAS

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): Primo Arnau Ana Maria

Nº of researchers: 4

Funding entity or bodies:

UNIVERSIDAD POLITECNICA DE VALENCIA

Start date: 01/01/2015

Duration: 12 months

Total amount: 5.140 €

36 Name of the project: AYUDA PARA LA CONTRATACION DE PERSONAL TECNICO DE APOYO A LA I+D+I MODALIDAD INFRAESTRUCTURAS-FORNELI RUBIO MARIA AMPARO

Degree of contribution: Researcher

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 3

Funding entity or bodies:

MINISTERIO DE ECONOMIA INDUSTRIA Y COMPETITIVIDAD

Start date: 17/11/2014

Duration: 36 months

Total amount: 36.000 €

37 Name of the project: AYUDA PARA LA CONTRATACION LABORAL DE DOCTORES POR CENTROS DE INVESTIGACION Y DESARROLLO (SUBPROGRAMA RAMON Y CAJAL)-ATIENZAR CORVILLO, PEDRO

Degree of contribution: Researcher

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 3

Funding entity or bodies:

MINISTERIO DE ECONOMIA INDUSTRIA Y COMPETITIVIDAD

Start date: 30/04/2014

Duration: 60 months

Total amount: 308.600 €



- 38** **Name of the project:** AYUDA PARA APOYAR LA CONTRATACION DE DOCTORES DEL PROGRAMA RAMON Y CAJAL-PEDRO ATIENZAR
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 2
Funding entity or bodies:
GENERALITAT VALENCIANA
Start date: 01/01/2014 **Duration:** 36 months
Total amount: 11.720,89 €
- 39** **Name of the project:** AYUDA PARA CONTRATOS PREDOCTORALES PARA LA FORMACION DE DOCTORES-ESTEVE ADELL IVAN
Entity where project took place: Universitat Politècnica de València
Nº of researchers: 3
Funding entity or bodies:
MINISTERIO DE ECONOMIA INDUSTRIA Y COMPETITIVIDAD
Start date: 01/01/2014 **Duration:** 48 months
Total amount: 82.400 €
- 40** **Name of the project:** NOVel cheap and Abundant Materials for catalytic biomass conversion
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 4
Funding entity or bodies:
COMISION DE LAS COMUNIDADES EUROPEA
Start date: 01/09/2013 **Duration:** 42 months
Total amount: 137.104 €
- 41** **Name of the project:** NOVel cheap and Abundant Materials for catalytic biomass conversion NOVACAM
Entity where project took place: CSIC
Nº of researchers: 2
Funding entity or bodies:
UNION EUROPEA
Start date: 01/09/2013 **Duration:** 41 months
Total amount: 356.208 €
- 42** **Name of the project:** Centros y Unidades de Excelencia Severo Ochoa
Entity where project took place: CSIC
Nº of researchers: 11
Funding entity or bodies:
MINISTERIO DE ECONOMIA Y COMPETITIVIDAD
Start date: 01/07/2013 **Duration:** 47 months
Total amount: 4.000.000 €
- 43** **Name of the project:** Reducción fotocatalítica del dióxido de carbono
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València



Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 4

Funding entity or bodies:

MINISTERIO DE ECONOMIA INDUSTRIA Y COMPETITIVIDAD

Start date: 01/01/2013

Duration: 36 months

Total amount: 182.520 €

44 Name of the project: SINTESIS DE GRAFENO Y DERIVADOS COMO SENSORES O CON PROPIEDADES OPTOELECTRONICAS.

Degree of contribution: Researcher

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 4

Funding entity or bodies:

GENERALITAT VALENCIANA

Start date: 01/01/2013

Duration: 48 months

Total amount: 275.363 €

45 Name of the project: Celdas Solares Híbridas basadas en materiales marco metal-orgánico

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): Atienzar Corvillo Pedro Enrique

Nº of researchers: 5

Funding entity or bodies:

UNIVERSIDAD POLITECNICA DE VALENCIA

Start date: 31/12/2012

Duration: 29 months

Total amount: 10.500 €

46 Name of the project: CONTRATO FPI MINISTERIO LATORRE SANCHEZ

Entity where project took place: Universitat Politècnica de València

Nº of researchers: 3

Funding entity or bodies:

MINISTERIO DE ECONOMIA INDUSTRIA Y COMPETITIVIDAD

Start date: 02/11/2012

Duration: 24 months

Total amount: 42.992,8 €

47 Name of the project: Carbon dioxide photoreduction: A great challenge for photocatalysis

Degree of contribution: Researcher

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 3

Funding entity or bodies:

COMISION DE LAS COMUNIDADES EUROPEA

Start date: 15/10/2012

Duration: 24 months

Total amount: 176.053,2 €

48 Name of the project: Integrated low temperature methanol steam reforming and high temperature polymer electrolyte membrane fuel cell

Degree of contribution: Researcher

Entity where project took place: Universitat Politècnica de València



Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 6

Funding entity or bodies:

FUEL CELLS AND HYDROGEN JOINT UNDERTAKING

Start date: 01/09/2012

Duration: 42 months

Total amount: 187.220,73 €

49 Name of the project: EQUIPO DE PULVERIZACION CATODICA POR RADIOFRECUENCIA. PORTASUSTRATOS CON CALEFACCION HASTA 1000°C

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): Serra Alfaro José Manuel

Nº of researchers: 6

Funding entity or bodies:

GENERALITAT VALENCIANA

Start date: 01/01/2012

Duration: 12 months

Total amount: 30.740,1 €

50 Name of the project: TRANSPYRENEES ACTION ON ADVANCED INFRASTRUCTURES FOR NANOSCIENCE AND NANOTECHNOLOGY

Degree of contribution: Researcher

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 4

Funding entity or bodies:

COMISION DE LAS COMUNIDADES EUROPEA

Start date: 01/01/2011

Duration: 24 months

Total amount: 89.652,67 €

51 Name of the project: Espectrómetro de masas para el análisis de gases

Name principal investigator (PI, Co-PI....): Corma Canós Avelino

Nº of researchers: 4

Funding entity or bodies:

MICINN (CSIC)

Start date: 01/01/2010

Duration: 35 months

Total amount: 53.525,84 €

52 Name of the project: RUPTURA FOTOCALIFTICA DEL AGUA CON LUZ SOLAR

Degree of contribution: Researcher

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 5

Funding entity or bodies:

MINISTERIO DE EDUCACION

Start date: 01/01/2010

Duration: 36 months

Total amount: 150.040 €

53 Name of the project: Sistema de deposición mediante sputtering de películas delgadas

Name principal investigator (PI, Co-PI....): Corma Canós Avelino

Nº of researchers: 4

**Funding entity or bodies:**

MICINN (CSIC)

Start date: 01/01/2010**Duration:** 35 months**Total amount:** 143.605,92 €

54 Name of the project: Desarrollo de catalizadores más eficientes para el diseño de procesos químicos y producción limpia de energía

Entity where project took place: CSIC**Nº of researchers:** 24**Funding entity or bodies:**

MICINN / CSIC

Start date: 17/12/2009**Duration:** 60 months**Total amount:** 3.500.000 €

55 Name of the project: CONTRATO FPI MINISTERIO RAQUEL JUAREZ MARIN

Degree of contribution: Researcher**Entity where project took place:** Universitat Politècnica de València**Name principal investigator (PI, Co-PI....):** García Gómez Hermenegildo**Nº of researchers:** 3**Funding entity or bodies:**

MINISTERIO DE EDUCACION

Start date: 01/07/2009**Duration:** 24 months**Total amount:** 43.170,68 €

56 Name of the project: MOFs as Catalysts and Adsorbents: Discovery and Engineering of Materials for Industrial Applications

Degree of contribution: Researcher**Entity where project took place:** Universitat Politècnica de València**Name principal investigator (PI, Co-PI....):** García Gómez Hermenegildo**Nº of researchers:** 5**Funding entity or bodies:**

COMISION DE LAS COMUNIDADES EUROPEA

Start date: 01/07/2009**Duration:** 48 months**Total amount:** 294.799 €

57 Name of the project: Oxidacion selectiva de metano en espacios confinados a bajas temperaturas

Entity where project took place: CSIC**Nº of researchers:** 3**Funding entity or bodies:**

MICINN

Start date: 01/04/2008**Duration:** 35 months**Total amount:** 83.000 €

58 Name of the project: SINTESIS DE NUEVOS SOLIDOS FUNCIONALES CON ESTRUCTURAS RETICULARES METAL-ORGANICO (MOF) Y DETERMINACION DE SU ACTIVIDAD FOTOVOLTAICA O ELECTROLUMINISCENTE

Degree of contribution: Researcher**Entity where project took place:** Universitat Politècnica de València**Name principal investigator (PI, Co-PI....):** García Gómez Hermenegildo



Nº of researchers: 9
Funding entity or bodies:
MINISTERIO DE EDUCACION

Start date: 01/10/2006
Total amount: 181.500 €

Duration: 36 months

59 Name of the project: Síntesis de nuevos sólidos funcionales con estructuras reticulares metal-orgánico (MOF) y determinación de su actividad fotovoltaica o electroluminiscente

Degree of contribution: Researcher

Entity where project took place: CSIC

Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 8

Funding entity or bodies:
CICYT (MEC)

Start date: 01/10/2006
Total amount: 101.640 €

Duration: 35 months

60 Name of the project: INVEST. Y DESAR. DE NUEVOS MATERIALES TEXT. INTELIGENTES CON PROPIEDADES TERMO Y FOTOACTIVAS

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): Alvaro Rodríguez Maria Mercedes

Nº of researchers: 6

Funding entity or bodies:
INSTITUTO VALENCIANO DE COMPETITIVIDAD EMPRESARIAL

Start date: 05/07/2006
Total amount: 63.283,4 €

Duration: 6 months

61 Name of the project: AQUATEX

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): Alvaro Rodríguez Maria Mercedes

Nº of researchers: 20

Funding entity or bodies:
COMISION DE LAS COMUNIDADES EUROPEA

Start date: 01/04/2005
Total amount: 228.567,27 €

Duration: 23 months

62 Name of the project: PREPARACION DE PROYECTOS INTERNACIONALES EN FOTOCATALISIS

Degree of contribution: Researcher

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo

Nº of researchers: 2

Funding entity or bodies:
GENERALITAT VALENCIANA

Start date: 01/01/2005
Total amount: 10.000 €

Duration: 12 months

63 Name of the project: SINTESIS DE OXIDOS METALICOS MIXTOS DE ALTA SUPERFICIE Y SU APLICACION COMO CATALIZADORES BASICOS HETEROGENEOS EN LA OBTENCION DE PRODUCTOS DE ALTO VALOR AÑADIDO.



Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Climent Olmedo María José
Nº of researchers: 6
Funding entity or bodies:
GENERALITAT VALENCIANA

Start date: 01/01/2004 **Duration:** 24 months
Total amount: 23.500 €

64 Name of the project: MATERIALES FUNCIONALES CONTENIENDO HUESPEDES ORGANICOS INCORPORADOS EN SOLIDOS POROSOS CON APLICACION EN FOTONICA, CELDAS FOTOVOLTAICAS, MAQUINAS MOLECULARES Y SENSORES

Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 11
Funding entity or bodies:
MINISTERIO DE CIENCIA Y TECNOLOGIA

Start date: 01/12/2003 **Duration:** 36 months
Total amount: 229.650 €

65 Name of the project: AYUDA AL GRUPO: NANOMAT

Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 9
Funding entity or bodies:
GENERALITAT VALENCIANA

Start date: 01/01/2003 **Duration:** 36 months
Total amount: 62.727,34 €

66 Name of the project: IMPROVED ENERGY SUPPLY FOR THE INTEGRATED STARTER GENERATOR WITH DOUBLE LAYER CAPACITOR AND ENERGY BATTERY FOR CARS WITH 42 V - TARGET ACTION K

Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Alvaro Rodríguez Maria Mercedes
Nº of researchers: 16
Funding entity or bodies:
COMISION DE LAS COMUNIDADES EUROPEA

Start date: 01/12/2002 **Duration:** 36 months
Total amount: 307.685,34 €

67 Name of the project: ZEOLITAS Y MATERIALES RELACIONADOS COMO CATALIZADORES HETEROGENEOS EN PROCESOS QUE REQUIEREN CATALISIS ACIDA O BASICA Y EN REACCIONES DE OXIDACION PARA LA PREPARACION DE PRODUCTOS DE ALTO VALOR AÑADIDO

Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Iborra Chornet Sara
Nº of researchers: 4
Funding entity or bodies:
GENERALITAT VALENCIANA



Start date: 01/01/2002
Total amount: 26.969,39 €

Duration: 24 months

68 Name of the project: AYUDA GRUPO MAQUINAS SUPRAMOLECULARES ENCAPSULADAS EN EL INTERIOR DE ZEOLITAS

Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 6
Funding entity or bodies:
GENERALITAT VALENCIANA

Start date: 01/01/2001
Total amount: 5.108,6 €

Duration: 12 months

69 Name of the project: ELABORACION DE UN PROYECTO EUROPEO DIRIGIDO A LA APLICACION DE FOTOCATALIZADORES

Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 12
Funding entity or bodies:
GENERALITAT VALENCIANA

Start date: 01/01/2001
Total amount: 1.803,04 €

Duration: 12 months

70 Name of the project: OXIDACION CATALITICA OR VIA HUMEDA Y FOTOCATALITICA EN EL TRATAMIENTO DE EFLUENTES LIQUIDOS

Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 3
Funding entity or bodies:
MINISTERIO DE PRESIDENCIA

Start date: 01/01/2001
Total amount: 2.644,46 €

Duration: 24 months

71 Name of the project: ZEOLITAS DESLAMINADAS COMO CATALIZADORES HETEROGENEOS EN QUIMICA FINA

Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 5
Funding entity or bodies:
MINISTERIO DE CIENCIA Y TECNOLOGIA

Start date: 28/12/2000
Total amount: 168.283,4 €

Duration: 36 months



- 72** **Name of the project:** FOTOHET. FOTOQUIMICA HETEROGENEA
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Alvaro Rodríguez María Mercedes; García Gómez Hermenegildo
Nº of researchers: 15
Funding entity or bodies: GENERALITAT VALENCIANA
Start date: 19/09/2000 **Duration:** 3 months
Total amount: 7.212,14 €
- 73** **Name of the project:** GENERATIO AND STABILISATION OF DIRADICALS IN ZEOLITES
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 1
Funding entity or bodies: COMISION DE LAS COMUNIDADES EUROPEA
Start date: 01/02/2000 **Duration:** 12 months
Total amount: 40.878 €
- 74** **Name of the project:** APLICACION EN PLANTA PILOTO DE TECNICAS DE OXIDACION FOTOQUIMICA COMO ALTERNATIVA PARA LA POTABILIZACION DE AGUAS SUPERFICIALES. ESTUDIO DE SU VIABILIDAD EN LA INSTALACION DE LA PLANTA SUMINISTRADORA DE LA CIUDAD DE VALENCIA SITA EN MANISES
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 3
Funding entity or bodies: MINISTERIO DE HACIENDA Y ADMINISTRACIONES PUBLICAS
Start date: 01/01/2000 **Duration:** 24 months
Total amount: 106.319,04 €
- 75** **Name of the project:** Les complexes de Metaux de transition Ancres par les aluminosilicates Mesopores comme Catalyserus Heterogenes dans las Reactions enantioselectives
Degree of contribution: Researcher
Entity where project took place: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 4
Funding entity or bodies: Relaciones Bilaterales (ESPAÑA-MARRUECOS)
Start date: 01/01/2000 **Duration:** 23 months
- 76** **Name of the project:** TRATAMIENTO AVANZADO DE DEPURACION DE AGUAS RESIDUALES TEXTILES POR TECNICAS DE FOTOOXIDACION
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 2

**Funding entity or bodies:**

INSTITUTO VALENCIANO DE COMPETITIVIDAD EMPRESARIAL

Start date: 04/03/1999**Duration:** 20 months**Total amount:** 62.249,83 €

- 77 Name of the project:** CHARGE-SEPARATION IN ZEOLITE ENCAPSULATED CONJUGATED POLYMERS FOR ELECTROCHEMICAL ENERGY STORAGE AND MOLECULAR ELECTRONIC DEVICES (CHARMED)

Degree of contribution: Researcher**Entity where project took place:** Universitat Politècnica de València**Name principal investigator (PI, Co-PI....):** García Gómez Hermenegildo**Nº of researchers:** 2**Funding entity or bodies:**

COMISION DE LAS COMUNIDADES EUROPEA

Start date: 01/12/1997**Duration:** 48 months**Total amount:** 215.535,27 €

- 78 Name of the project:** FOTOQUIMICA DE INTERMEDIOS REACTIVOS EN CONDICIONES DE EXTREMA INMOVILIZACION

Degree of contribution: Researcher**Entity where project took place:** Universitat Politècnica de València**Name principal investigator (PI, Co-PI....):** García Gómez Hermenegildo**Nº of researchers:** 2**Funding entity or bodies:**

MINISTERIO DE EDUCACION

Start date: 22/09/1994**Duration:** 36 months**Total amount:** 60.101,21 €

- 79 Name of the project:** Fotoquímica de Intermedios Reactivos en condiciones de Extrema Inmovilización

Degree of contribution: Researcher**Entity where project took place:** CSIC-UPV**Name principal investigator (PI, Co-PI....):** García Gómez Hermenegildo**Nº of researchers:** 2**Funding entity or bodies:**

DGICYT

Start date: 27/07/1994**Duration:** 36 months

- 80 Name of the project:** Heterogeneous Catalysis and Fine Chemicals. Friedel-Crafts and Related Reactions on Molecular Sieves

Nº of researchers: 1**Funding entity or bodies:**

U.E.

Start date: 01/01/1994**Duration:** 35 months**Total amount:** 5.000 €

- 81 Name of the project:** Advanced Microporous Crystalline Materials with New Catalytic Electronic, Magnetic and Optical Properties

Nº of researchers: 1**Funding entity or bodies:**



U.E.

Start date: 01/01/1993
Total amount: 15.000 €

Duration: 35 months

82 Name of the project: Fotoquímica orgánica en Espacios confinados: Modificación de la reactividad fotoquímica por adsorción en sólidos microporosos con propiedades ácidas u oxidantes

Degree of contribution: Researcher**Entity where project took place:** CSIC**Name principal investigator (PI, Co-PI....):** García Gómez Hermenegildo**Nº of researchers:** 2**Funding entity or bodies:**

DGICYT

Start date: 24/09/1991**Duration:** 36 months

83 Name of the project: Fotoquímica organica en espacios confinados.Modificacion de la reactividad fotoquímica por adsorción en sólidos microporosos.

Degree of contribution: Researcher**Entity where project took place:** Universidad Politecnica de Valencia**Name principal investigator (PI, Co-PI....):** García Gómez Hermenegildo**Nº of researchers:** 2**Funding entity or bodies:**

DGICYT

Start date: 01/01/1991**Duration:** 36 months**Total amount:** 96.000 €

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

1 Name of the project: RETARDANTE DE LLAMA

Nº of researchers: 2**Funding entity or bodies:**

PRIMALCHIT SOLUTIONS SL

Start date: 19/11/2020**Duration:** 1 year

2 Name of the project: VESTIGACIÓN Y DESARROLL DE HARINAS Y MAIZ DE DISTINATAS GRANULOMETRÍAS PARA LA ELABORACIÓN DE PRODUCTOS SUSTITUTIVOS DE OTROS PRODCUTSO ALÉRGENOS EN LA INDUSTRIA ALIMENTARIA

Nº of researchers: 2**Funding entity or bodies:**

BARBERA SNACKS, S.L.

Start date: 01/09/2020**Duration:** 6 months

3 Name of the project: MOLECULA VALENCIA

Degree of contribution: Researcher**Nº of researchers:** 1**Participating entity/entities:** SUAVIZANTES Y PLASTIFICANTES BITUMINOSOS S.L.; Universidad Politécnica de Valencia**Funding entity or bodies:****Type of entity:** Business



SUAVIZANTES Y PLASTIFICANTES BITUMINOSOS
S.L.

Start date: 05/02/2019

Duration: 1 year

4 Name of the project: HETEROGENEOUS CATALYSTS FOR THE SELECTIVE CO₂ HYDROGENATION TO CHEMICALS

Degree of contribution: Researcher

N° of researchers: 1

Participating entity/entities: BASF AKTIENGESELLSCHAFT; Universidad Politécnica de Valencia; University of Bucharest

Funding entity or bodies:

BASF AKTIENGESELLSCHAFT

Type of entity: Business

Start date: 02/01/2019

Duration: 1 year

5 Name of the project: Colaboración en proyecto de incorporación de nuevos ingredientes en detergencia capaces de modificar la superficie de los tejidos

Degree of contribution: Researcher

Funding entity or bodies:

SUAVIZANTES Y PLASTIFICANTES BITUMINOSOS S.L.

Start date: 06/11/2018

Duration: 5 months

6 Name of the project: Colaboración en proyecto estudio y desarrollo de nanomateriales que aumenten la eficacia de los recubrimientos anticorrosivos

Funding entity or bodies:

GALOL S.A.

Start date: 06/11/2018

Duration: 6 months

7 Name of the project: GRAFENO EN FORMULACIONES CAPILARES

Degree of contribution: Researcher

Funding entity or bodies:

SUAVIZANTES Y PLASTIFICANTES BITUMINOSOS S.L.

Start date: 10/05/2018

Duration: 1 year

8 Name of the project: Nueva alternativa para la conversión de fangos de EDAR en productor de valor añadido

Degree of contribution: Researcher

Funding entity or bodies:

DEPURADORA DE AGUAS DEL MEDITERRANEO S.L.

Start date: 26/12/2017

Duration: 1 year - 6 months

Total amount: 96,8 €

9 Name of the project: Polymer surface functionalization by graphene and other two dimensional materials: Method for plating polymers Cr(VI) free

Degree of contribution: Researcher

Funding entity or bodies:

SRG GLOBAL INC

Start date: 08/06/2017

Duration: 1 year

Total amount: 18,5 €



- 10 Name of the project:** Acuerdo de colaboracion tecnologica para la realización del estudio "adecuación y mejoras funcionales mediante nuevas tecnologías de la cola base almidón destinada al sector del cartón ondulado"
Funding entity or bodies:
NEWTEC grupo
Start date: 24/11/2016 **Duration:** 2 years
- 11 Name of the project:** Next generation personal protection garments against warfare agents (prosafe)
Entity where project took place: Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Alvaro Rodríguez Maria Mercedes
Nº of researchers: 4
Funding entity or bodies:
EUROPEAN DEFENCE AGENCY
Start date: 09/03/2015 **Duration:** 30 months
- 12 Name of the project:** Desarrollo de aditivos y resinas aplicables en asfaltos en frio mejorados
Name principal investigator (PI, Co-PI....): Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
ASFALTO EN FRIO, S.L
Start date: 14/11/2014 **Duration:** 9 months
- 13 Entity where project took place:** Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Corma Canós Avelino
Nº of researchers: 4
Funding entity or bodies:
BASF AKTIENGESELLSCHAFT
Start date: 02/06/2014 **Duration:** 15 months
- 14 Name of the project:** Proceso de reducción del contenido de grasas de frutos secos
Entity where project took place: Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 2
Funding entity or bodies:
IMPORTACO CASA PONS, S.A.
Start date: 06/05/2014 **Duration:** 18 months
- 15 Name of the project:** Desarrollo de aditivos y resinas aplicables en asfaltos en frio mejorados
Name principal investigator (PI, Co-PI....): Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
ASFALTO EN FRIO, S.L
Start date: 02/12/2013 **Duration:** 1 year



- 16** **Name of the project:** Preparación de nuevos materiales cerámicos conteniendo grafeno
Entity where project took place: Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 2
Funding entity or bodies:
INDUSTRIAS ALCORENSES CONFEDERADAS, S.A.
Start date: 17/06/2013 **Duration:** 18 months
- 17** **Name of the project:** Formulació avanzada de tintes capilares de altas prestaciones
Name principal investigator (PI, Co-PI....): Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
LABORATORIOS BELLOCH S.A
Start date: 02/01/2013 **Duration:** 1 year - 6 months
- 18** **Name of the project:** Grafeno: manofatura y dopado
Name principal investigator (PI, Co-PI....): Hermenegildo García Primo
Nº of researchers: 2
Funding entity or bodies:
ABENGOA SOLAR NEW TECHNOLOGIES S.A.
Start date: 22/05/2012 **Duration:** 1 year
- 19** **Name of the project:** Grafeno: manofatura y dopado
Name principal investigator (PI, Co-PI....): Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
ABENGOA SOLAR NEW TECHNOLOGIES S.A
Start date: 17/05/2012 **Duration:** 1 year
- 20** **Name of the project:** low cost ecological processing routes for the conversion of solar energy to fuels
Name principal investigator (PI, Co-PI....): Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
ANTECY
Start date: 22/02/2011 **Duration:** 1 year
- 21** **Entity where project took place:** Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 3
Funding entity or bodies:
ABENGOA SOLAR NEW TECHNOLOGIES S.A.
Start date: 11/01/2011 **Duration:** 12 months
- 22** **Name principal investigator (PI, Co-PI....):** Hermenegildo García Gómez
Nº of researchers: 4
Funding entity or bodies:



ABENGOA SOLAR NEW TECHNOLOGIES, S.A.

City funding entity: Spain

Start date: 01/12/2010

Duration: 1 year

- 23** **Entity where project took place:** Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 4
Funding entity or bodies:
ABENGOA SOLAR NEW TECHNOLOGIES S.A.

Start date: 01/12/2010

Duration: 12 months

- 24** **Name principal investigator (PI, Co-PI....):** Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
CERACASA, S.A.
City funding entity: Spain

Start date: 13/09/2010

Duration: 1 year

- 25** **Name principal investigator (PI, Co-PI....):** Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
FMC FORET S.A.

Start date: 01/10/2008

Duration: 3 years - 10 months

- 26** **Name of the project:** Oxidacion selectiva de metano en espacios confinados a bajas temperaturas
Entity where project took place: CSIC
Entity where project took place: CSIC
Name principal investigator (PI, Co-PI....): Corma Canós Avelino
Nº of researchers: 2
Funding entity or bodies:
MICINN

Start date: 01/04/2008

Duration: 35 months

Total amount: 83.000 €

- 27** **Name principal investigator (PI, Co-PI....):** Hermenegildo García Gómez
Nº of researchers: 3
Funding entity or bodies:
FMC FORET S.A.

Start date: 26/09/2007

Duration: 1 year

- 28** **Name principal investigator (PI, Co-PI....):** Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
SERVIECOLOGIA Y TRATAMIENTO DE AGUAS, S.L.
City funding entity: Spain

Start date: 16/02/2007

Duration: 3 months



- 29** Entity where project took place: CSIC
Entity where project took place: CSIC
Name principal investigator (PI, Co-PI....): Corma Canós Avelino
Nº of researchers: 4
Funding entity or bodies:
REPSOL YPF, S.A.
Start date: 01/07/2006 Duration: 11 months
- 30** Name principal investigator (PI, Co-PI....): Hermenegildo García Gómez
Nº of researchers: 3
Funding entity or bodies:
MERTRE, S.A.
Start date: 25/09/2005 Duration: 1 year
- 31** Entity where project took place: CSIC
Entity where project took place: CSIC
Name principal investigator (PI, Co-PI....): Corma Canós Avelino
Nº of researchers: 3
Funding entity or bodies:
REPSOL YPF
Start date: 01/07/2005 Duration: 11 months
- 32** Name principal investigator (PI, Co-PI....): Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
IEE INTERNATIONAL ELECTRONICS&ENGINEERING, S.A.
Start date: 01/05/2005 Duration: 6 months
- 33** Entity where project took place: Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Corma Canós Avelino
Nº of researchers: 5
Funding entity or bodies:
MERTRE, S.A.
Start date: 07/04/2005 Duration: 12 months
- 34** Entity where project took place: Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 2
Funding entity or bodies:
BESA RUEDA, FERNANDO
Start date: 05/04/2005 Duration: 12 months
- 35** Entity where project took place: CSIC
Entity where project took place: CSIC
Nº of researchers: 2

**Funding entity or bodies:**

REPSOL YPF, S.A.

Start date: 26/07/2004**Duration:** 12 months

- 36** **Entity where project took place:** Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 2
Funding entity or bodies:
VANENTIS S.L.

Start date: 01/05/2004**Duration:** 12 months

- 37** **Name principal investigator (PI, Co-PI....):** Hermenegildo García Gómez
Nº of researchers: 4
Funding entity or bodies:
UNION DERIVAN, S.A.
City funding entity: Spain

Start date: 02/09/2002**Duration:** 6 months

- 38** **Entity where project took place:** Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Miranda Alonso Miguel Ángel
Nº of researchers: 2
Funding entity or bodies:
F.C.V. CENTRO DE INVESTIGACION PRINCIPE FELIPE

Start date: 01/01/2002**Duration:** 3 months

- 39** **Name of the project:** PHOTOLUMINESCENCE SPECTROSCOPY ON T-CATALYST
Entity where project took place: Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): García Gómez Hermenegildo
Nº of researchers: 4
Funding entity or bodies:
SHELL GLOBAL SOLUTIONS INTERNATIONAL BV

Start date: 11/05/2000**Duration:** 24 months

- 40** **Name of the project:** DESARROLLO DE UN SISTEMA DE HINCHADO AUTOMATICO
Name principal investigator (PI, Co-PI....): Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
MATRIDOS S.L.

Start date: 12/04/2000**Duration:** 4 months**Total amount:** 2.944,96 €

- 41** **Name principal investigator (PI, Co-PI....):** Hermenegildo García Gómez
Nº of researchers: 3
Funding entity or bodies:
COLORTEX 1967, S.L.



Start date: 01/07/1999

Duration: 2 years

- 42 Name principal investigator (PI, Co-PI....):** Alvaro Rodríguez Maria Mercedes
Nº of researchers: 2
Funding entity or bodies:
AGUAS DE VALENCIA, S.A.

Start date: 01/11/1998

Duration: 12 months

- 43 Name principal investigator (PI, Co-PI....):** Hermenegildo García Gómez
Nº of researchers: 2
Funding entity or bodies:
ASOCIACIÓN DE INVESTIGACIÓN DE LA INDUSTRIA TEXTIL
City funding entity: Spain

Start date: 02/12/1997

Duration: 2 years - 29 days

- 44 Nº of researchers:** 2
Funding entity or bodies:
AITEK

Start date: 02/12/1997

Duration: 9 months

- 45 Entity where project took place:** Universitat Politècnica de València
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Alvaro Rodríguez Maria Mercedes
Nº of researchers: 2
Funding entity or bodies:
GENERAL DE ANALISIS, MATERIALES Y SERVICIOS, S.L.

Start date: 29/03/1996

Duration: 45 months

Results

Industrial and intellectual property

- 1 Title registered industrial property:** MEZCLA DE COMPONENTES ORGÁNICOS NO POLIMÉRICOS CON CAPACIDAD RETARDANTE DE LLAMA, MÉTODO DE PREPARACIÓN Y USO
Entity holder of rights: CSIC/UPV
Nº of application: P201931175
Date of register: 31/12/2019
Conferral date: 31/12/2019
- 2 Title registered industrial property:** Procedimiento para la preparación de materiales gráficos nanoparticulados con microporos uniformes
Inventors/authors/obtainers: Alejandra Rendón Patiño; Ana María Primo; Hermenegildo García Gómez
Entity holder of rights: CSIC/UPV
Nº of application: P2019631056
Country of inscription: Spain
Date of register: 28/11/2019



- 3 Title registered industrial property:** Procedimiento para la preparación de esponjas 3D porosas construidas por grafeno con defectos de una o varias capas
Inventors/authors/obtainers: Lu Peng; Ana García Mulero; Ana María Primo; Hermenegildo García Gómez
Entity holder of rights: CSIC/UPV
N° of application: P201930865
Country of inscription: Spain
Date of register: 04/10/2019
Companies: Consejo Superior de Investigaciones Científicas
- 4 Title registered industrial property:** Procedimiento para la preparación de heterouniones de grafeno y nitruro de boro
Entity holder of rights: Universidad Politécnica de Valencia
Date of register: 03/12/2018
- 5 Title registered industrial property:** Procedimiento de preparación de un catalizador basado en nanopartículas de Hierro, Cobalto y sus aleaciones, catalizador preparado y uso
Entity holder of rights: Universidad Politécnica de Valencia
Country of inscription: Spain
Date of register: 28/11/2018
- 6 Title registered industrial property:** Procedimiento para la producción y almacenamiento de hidrogeno mediante deshidrogenación catalítica, y uso de un catalizador de un metal de transición anclado sobre un soporte de un material de carbono para la obtención de hidrógeno mediante reacciones de deshidrogenación catalítica
Entity holder of rights: Universidad Politécnica de Valencia
Date of register: 11/07/2017
Conferral date: 06/08/2018
- 7 Title registered industrial property:** Fotocatalizador a base de grafeno para la producción de combustibles solares
Inventors/authors/obtainers: Hermenegildo Garcia; Ana Primo; Josep Albero
Entity holder of rights: Universidad Politécnica de Valencia
N° of application: P201630203
Country of inscription: Spain
Date of register: 23/02/2016
- 8 Title registered industrial property:** Procedimiento fotoquímico para la eliminación de H₂S en efluentes gaseosos mediante conversión a H₂ y S
Type of industrial property: Patent of invention
Inventors/authors/obtainers: García Gómez Hermenegildo; J.A. Maciá-Agulló
Entity holder of rights: UPV-CSIC
N° of application: P201530280
Date of register: 04/03/2015
- 9 Title registered industrial property:** Procedimiento de hidrogenación de sustratos utilizando material grafénico como catalizador
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Primo Arnau Ana Maria; García Gómez Hermenegildo
Entity holder of rights: UPV-CSIC
N° of application: P201430848
Date of register: 03/06/2014



- 10 Title registered industrial property:** Preparation of carbamates with solid catalysts
Inventors/authors/obtainers: Avelino Corma; Raquel Juarez; Hermenegildo García
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: 8735621
Country of inscription: Spain
Date of register: 16/12/2008
Conferral date: 27/05/2014
- 11 Title registered industrial property:** Direct photoconversion of carbon dioxide to liquid products
Inventors/authors/obtainers: Paul O'Connor; Avelino Corma; Hermenegildo García
Entity holder of rights: ANTECY B.V.
Nº of application: 20140090972
Country of inscription: Spain
Date of register: 09/12/2013
Conferral date: 03/04/2014
- 12 Title registered industrial property:** Method for converting methane into oxygenated derivatives of one carbon atom
Inventors/authors/obtainers: Francesc Sastre; Avelino Corma; Hermenegildo García
Nº of application: 20140001028
Country of inscription: Spain
Date of register: 10/01/2012
Conferral date: 02/01/2014
- 13 Title registered industrial property:** Method for obtaining solid graphene samples or suspensions
Inventors/authors/obtainers: Ana Primo; Hermenegildo García; Emilio Sánchez; José María Delgado
Entity holder of rights: ABENGOA SOLAR NEW TECHNOLOGIES, S.A.
Nº of application: 201201166
Country of inscription: Spain
Conferral date: 2014
- 14 Title registered industrial property:** Method for the preparation of graphene or graphenic materials films on non-metal substrates
Inventors/authors/obtainers: José María Delgado; Emilio Sánchez-Cortezón; Pedro Atienzar; Ana Primo; Hermenegildo García
Entity holder of rights: ABENGOA SOLAR NEW TECHNOLOGIES, S.A.
Nº of application: 13/758415
Country of inscription: Spain
Conferral date: 04/02/2013
- 15 Title registered industrial property:** Reduccion fotoquimica de dióxido de carbono a compuestos con aplicacion como combustibles
Type of industrial property: Patent of invention
Inventors/authors/obtainers: García Gómez Hermenegildo; Corma Canós Avelino; Sastre Calabuig Francesc
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P201231229
Date of register: 30/07/2012



- 16 Title registered industrial property:** Procedimiento para la preparación de películas de grafeno ó materiales grafénicos sobre sustratos no metálicos
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Delgado-Sánchez José María; Sánchez-Cortezón Emilio; Atienzar Corvillo Pedro Enrique; Primo Arnau Ana Maria; García Gómez Hermenegildo
Entity holder of rights: ABENGOA BIOENERGIA NUEVAS TECNOLOGIAS
Nº of application: P201200100
Date of register: 06/02/2012
- 17 Title registered industrial property:** One-pot production of carbamates using solid catalysts
Inventors/authors/obtainers: Avelino Corma; Hermenegildo García; Raquel Juarez
Nº of application: 20120053359
Country of inscription: Spain
Date of register: 10/09/2009
Conferral date: 22/12/2011
- 18 Title registered industrial property:** Preparation of azo compounds with solid catalysts
Inventors/authors/obtainers: Avelino Corma; Hermenegildo García; Abdessamad Grirrane
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: 20110313142
Country of inscription: Spain
Date of register: 10/09/2009
Conferral date: 22/12/2011
- 19 Title registered industrial property:** Photocatalytic mixture for the degradation of nitrogen oxides
Inventors/authors/obtainers: Ramón Artigas; Hermenegildo García; Francesc Llabres; Esther Domínguez
Entity holder of rights: FMC FORET, S.A.
Nº of application: 20110294659
Country of inscription: Spain
Date of register: 13/01/2010
Conferral date: 01/12/2011
- 20 Title registered industrial property:** Preparation of carbamates with solid catalysts
Inventors/authors/obtainers: Avelino Corma; Raquel Juarez; Hermenegildo García
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: 20110124902
Country of inscription: Spain
Date of register: 16/12/2008
Conferral date: 26/05/2011
- 21 Title registered industrial property:** COMPOSICION FOTOACTIVA QUE COMPRENDE ZEOLITA Y
Type of industrial property: Patent of invention
Inventors/authors/obtainers: RAMON ARTIGAS; Atienzar Corvillo Pedro Enrique; Domínguez Torres Esther; García Gómez Hermenegildo
Entity holder of rights: FMC FORET
Nº of application: P201031036
Date of register: 01/01/2010
- 22 Title registered industrial property:** Process for producing fluorinated carbamates and isocyanates
Inventors/authors/obtainers: Ana Padilla; Valentin Ruiz; Hermenegildo García; Avelino Corma; Raquel Juarez



Nº of application: 20090082588
Country of inscription: Spain
Date of register: 12/09/2008
Conferral date: 26/03/2009

- 23 Title registered industrial property:** MEZCLA FOTOCATALÍTICA PARA LA DEGRADACIÓN DE OXIDOS DE NITRÓGENO
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Domínguez Torres Esther; Llabrés i Xamena Francesc Xavier; RAMON ARTIGAS; García Gómez Hermenegildo
Entity holder of rights: FMC FORET
Nº of application: WO2010084226
Date of register: 01/02/2009
- 24 Title registered industrial property:** Preparacion de azo compuestos con catalizadores solidos
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Corma Canós Avelino; García Gómez Hermenegildo; ABDESAMAD GRIRRANE
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P200802659
Date of register: 15/09/2008
- 25 Title registered industrial property:** Electroluminiscent hybrid material comprising a microporous or mesoporous solid containing covalently-bonded organic compounds which confer electroluminiscent properties to same
Inventors/authors/obtainers: Avelino Corma; Hermenegildo García; Mercedes Alvaro
Nº of application: 20080203359
Country of inscription: Spain
Date of register: 21/10/2005
Conferral date: 28/08/2008
- 26 Title registered industrial property:** Preparación de cabamatos con catalizadores solidos
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Corma Canós Avelino; García Gómez Hermenegildo; Juárez Marín Raquel
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P200802101
Date of register: 04/07/2008
- 27 Title registered industrial property:** Modificación de las propiedades antibacterianas de las fibras textiles mediante tinción con sales de plata
Type of industrial property: Patent of invention
Inventors/authors/obtainers: García Gómez Hermenegildo; ISABEL SORIANO CARRIÓN
Entity holder of rights: AITEX
Nº of application: null
Date of register: 01/07/2008
- 28 Title registered industrial property:** Catalytic composition for the insertion of carbon dioxide into organic compounds
Inventors/authors/obtainers: Mercedes Alvaro; Esther Carbonell; Avelino Corma; Hermenegildo García
Nº of application: 20080103040
Country of inscription: Spain



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CURRÍCULUM VITAE NORMALIZADO

61ae4a6ba11295da7f37e76fc65510a7

Date of register: 24/08/2005

Conferral date: 01/05/2008

- 29 Title registered industrial property:** Highly hydrophobic lanthanide-organic porous material with fluorescence and magnetic properties
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Corma Canós Avelino; Rey Garcia Fernando; Atienzar Corvillo Pedro Enrique; García Gómez Hermenegildo; Harbuzaru . Bogdan Vasile
Entity holder of rights: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)
Nº of application: EP06380272.2
Date of register: 20/10/2006
- 30 Title registered industrial property:** Electroluminiscent material containing a conjugated polymer or metal complexes inside zeolites and porous materials and the preparation method thereof
Inventors/authors/obtainers: Avelino Corma; Maria Sales Galletero; Mercedes Alvaro; Hermenegildo García
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: 7108802
Country of inscription: Spain
Date of register: 30/12/2004
Conferral date: 19/09/2006
- 31 Title registered industrial property:** Deposition of nano-structured photoactive coatings by means liquid feedstock plasma spraying conducted in a standard atmosphere
Type of industrial property: Patent of invention
Inventors/authors/obtainers: ROBERTO SIEGERT; Serra Alfaro José Manuel; R. HANSCH; ROBERT VASSEN; DETLEV STÖVER; Atienzar Corvillo Pedro Enrique; García Gómez Hermenegildo; Corma Canós Avelino
Entity holder of rights: Forschungszentrum Jülich GmbH
Nº of application: DE102006005775
Date of register: 07/02/2006
- 32 Title registered industrial property:** Sales de pirilio y derivados como fotoiniciadores de polimerización para formulaciones pigmentadas
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Aprile . Carmela; Carbonell Llopis Esther Joaquina; Corma Canós Avelino; García Gómez Hermenegildo
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: null
Date of register: 26/11/2005
- 33 Title registered industrial property:** Aplicación de materiales híbridos metal-orgánicos como fases activas en la elaboración de celdas fotovoltaicas, celdas electroluminiscentes y sensores
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Corma Canós Avelino; García Gómez Hermenegildo; Llabrés i Xamena Francesc Xavier
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P200502497
Date of register: 15/10/2005



- 34 Title registered industrial property:** Uso de materiales porosos híbridos metal-orgánicos en la elaboración de celdas fotovoltaicas, celdas electroluminiscentes y celdas electroquímicas
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Corma Canós Avelino; García Gómez Hermenegildo; Llabrés i Xamena Francesc Xavier
Entity holder of rights: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)
Nº of application: P200502497
Date of register: 05/10/2005
- 35 Title registered industrial property:** Células solares fotoelectroquímicas basadas en esponjas fotónicas
Type of industrial property: Patent of invention
Inventors/authors/obtainers: RAMIRO MANZANO FERNANDO; Atienzar Corvillo Pedro Enrique; García Gómez Hermenegildo; Isabelle Rodriguez; MESEGUER RICO FRANCISCO JAVIER; Corma Canós Avelino
Entity holder of rights: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)
Nº of application: P200501420
Date of register: 03/06/2005
- 36 Title registered industrial property:** Material electroluminiscente que está constituido por un sólido mesoporoso conteniendo compuestos orgánicos covalentemente enlazados que confiere prop
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Alvaro Rodríguez Maria Mercedes; Corma Canós Avelino; García Gómez Hermenegildo
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P200402592
Date of register: 21/10/2004
- 37 Title registered industrial property:** Sistema catalítico para la fijación de dióxido de carbono por reacción con acetales, ortoesteres y epóxidos con formación de carbonatos
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Alvaro Rodríguez Maria Mercedes; Carbonell Llopis Esther Joaquina; Corma Canós Avelino; García Gómez Hermenegildo
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P200402112
Date of register: 25/08/2004
- 38 Title registered industrial property:** Catalizadores ácidos híbridos orgánicos-inorgánicos, y su uso.
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Alvaro Rodríguez Maria Mercedes; Corma Canós Avelino; DAS DEBASISH; García Gómez Hermenegildo
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: ES040700100
Date of register: 25/11/2003
- 39 Title registered industrial property:** Un aparato para la caracterización simultánea o consecutiva de múltiples muestras de materiales sólidos mediante fotoluminiscencia
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Corma Canós Avelino; García Gómez Hermenegildo; Serra Alfaro José Manuel
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P200301935
Date of register: 01/08/2003



- 40 Title registered industrial property:** Multivalent metal cation-doped cerium oxide materials for photovoltaic cells and solar cells
Type of industrial property: Patent of invention
Inventors/authors/obtainers: JEAN YVES CHANE-CHING; Corma Canós Avelino; García Gómez Hermenegildo
Entity holder of rights: RHODIA CHIMIE
Nº of application: FR2003-8627
Date of register: 15/07/2003
- 41 Title registered industrial property:** Un material electroluminescentes conteniendo un polímero conjugado o complejos de metales térreos en el interior de zeolitas y materiales porosos
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Alvaro Rodríguez Maria Mercedes; Corma Canós Avelino; GALLETERO PEDROCHE MARÍA DE SALES; García Gómez Hermenegildo
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P200201588
Date of register: 01/07/2002
- 42 Title registered industrial property:** Thiopyryl cation and derivativeds of same trapped in a zeolitic material
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Alvaro Rodríguez Maria Mercedes; García Gómez Hermenegildo; MANOJ NARAYANA PILLAI
Entity holder of rights: UNIVERSIDAD POLITECNICA DE VALENCIA
Nº of application: P200101839
Date of register: 27/07/2001
- 43 Title registered industrial property:** Highly hydrophobic lanthanide-organic porous material with fluorescence and Magnetic properties
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Corma Canós Avelino; Rey Garcia Fernando; Atienzar Corvillo Pedro Enrique; García Gómez Hermenegildo
Entity holder of rights: UPV-CSIC
Nº of application: WO2008046614



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1 Sergio Navalon; Amarajothi Dhakshinamoorthy; Mercedes Alvaro; Markus Antonietti; Hermenegildo Garcia. Active sites on graphene-based materials as metal-free catalysts. Chemical Society Reviews. 2017.
DOI: 10.1039/c7cs00156h
Type of production: Review **Format:** Journal
Corresponding author: Yes
Relevant publication: Yes
- 2 Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. Angewandte Chemie International Edition. Angewandte Chemie International Edition, 2021.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 3 Porous Graphitic Carbons Containing Nitrogen by Structuration of Chitosan with Pluronic P123. ACS Applied Materials & Interfaces. 2021.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 4 Hermenegildo García Gómez; Amarajothi Dhakshinamoorthy; Alvaro Rodríguez, Maria Mercedes; Sergio Navalón Oltra; Maria Cabrero Antonino; CRISTINA VALLÉS GARCÍA. Nitro functionalized chromium terephthalate metal-organic framework as multifunctional solid acid for the synthesis of benzimidazoles. Journal of Colloid and Interface Science. Elsevier, 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 5 A Pyridyltriazol Functionalized Zirconium Metal-Organic Framework for Selective and Highly Efficient Adsorption of Palladium. ACS Applied Materials & Interfaces. 2020.
Type of production: Scientific paper
Corresponding author: Yes
- 6 P. Horcajada; García Gómez, Hermenegildo; Navalón Oltra, Sergio; Cabrero-Antonino, Maria; Oscar R. Contreras Almengor; Artem A. Babaryk. A Semiconducting Bi₂O₂(C₄O₄) Coordination Polymer Showing a Photoelectric Response. Inorganic Chemistry. ACS, 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 7 Sivanesan Subramaniana; Premkumar Manickam-Periyaraman; Espinosa-López, Juan Carlos; Alvaro Rodríguez, Maria Mercedes; García Gómez, Hermenegildo; Navalón Oltra, Sergio; Ferrer Ribera, Rosa Belén. Bimetallic iron-copper oxide nanoparticles supported on nanometric diamond as efficient and stable sunlight-assisted Fenton photocatalyst. Chemical Engineering Journal. Elsevier, 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No



- 8** García Gómez, Hermenegildo; Alvaro Rodríguez, María Mercedes; Navalón Oltra, Sergio; Cabrero-Antonino, María; Melillo, Arianna; Ferrer Ribera, Rosa Belén. Enhancing visible-light photocatalytic activity for overall water splitting in UiO-66 by controlling metal node composition. *Applied Catalysis B Environmental*. Elsevier, 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 9** García Gómez, Hermenegildo; Navalón Oltra, Sergio; Alvaro Rodríguez, María Mercedes; Santiago-Portillo, Andrea; Vallés-García, Cristina. MIL-101(Cr)-NO₂ as efficient catalyst for the aerobic oxidation of thiophenols and the oxidative desulfurization of dibenzothiophenes. *Applied Catalysis A General*. Elsevier, 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 10** Porous Single-Crystal-Based Inorganic Semiconductor Photocatalysts for Energy Production and Environmental Remediation: Preparation, Modification, and Applications. *Advanced Functional Materials*. 2020.
Type of production: Scientific paper
Corresponding author: Yes
- 11** Templateless Synthesis of Ultra-Microporous 3D Graphitic Carbon from Cyclodextrins and Their Use as Selective Catalyst for Oxygen Activation. *Small Methods*. 2020.
Type of production: Scientific paper
Corresponding author: Yes
- 12** Amarajothi Dhakshinamoorthy; Abdullah M. Asiri; Hermenegildo Garcia. 2D Metal–Organic Frameworks as Multifunctional Materials in Heterogeneous Catalysis and Electro/Photocatalysis. *Advances Materials*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 13** Lu Peng; Antonio Domenech-Carbo; Ana Primo; Hermenegildo Garcia. 3D defective graphenes with subnanometric porosity obtained by soft-templating following zeolite procedures. *Nanoscale Advances*. 1, pp. 4827 - 4833. Royal Society of Chemistry, 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 14** Jesús Barrio; Diego Mateo; Josep Albero; Hermenegildo García; Menny Shalom. A Heterogeneous Carbon Nitride–Nickel Photocatalyst for Efficient Low-Temperature CO₂ Methanation. *Adv. Energy Mater.* 9, WILEY-VCH, 2019.
Type of production: Scientific paper **Format:** Journal
- 15** Aichun Wu; Duoxiao Wang; Chao Wei; Xudong Zhang; Zhangsheng Liu; Peizhong Feng; Xuemei Ou; Yinghui Qiang; Hermenegildo Garcia; Jinan Niu. A comparative photocatalytic study of TiO₂ loaded on three natural clays with different morphologies. *Applied Clay Science*. 183, ELSEVIER, 2019.
Type of production: Scientific paper **Format:** Journal
- 16** Pablo Salcedo-Abraira; Andrea Santiago-Portillo; Pedro Atienzar; Pierre Bordet; Fabrice Salles; Nathalie Guillou; Erik Elkaim; Hermenegildo Garcia; Sergio Navalón; Patricia Horcajada. A highly conductive nanostructured PEDOT polymer confined into the mesoporous MIL-100(Fe). *Dalton*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 17** Alejandra Rendón-Patiño; Antonio Doménech; Hermenegildo García; Ana Primo. A reliable procedure for the preparation of graphene-boron nitride superlattices as large area (cm × cm) films on arbitrary substrates or powders (gram scale) and unexpected electrocatalytic properties†. *Nanoscale*. 2019.
Type of production: Scientific paper **Format:** Journal

Corresponding author: Yes

- 18** José Raul Herance; Hermenegildo García; Patricia Gutiérrez-Carcedo; Sergio Navalón; Antonio Pineda-Lucena; Martina Palomino-Schätzlein. A translational approach to assess the metabolomic impact of stabilized gold nanoparticles by NMR spectroscopy. *Analyst*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 19** Ana Primo; Jinbao He; Bogdan Jurca; Bogdan Cojocar; Cristina Bucur; Vasile I. Parvulescu; Hermenegildo García. CO₂ methanation catalyzed by oriented MoS₂ nanoplatelets supported on few layers graphene. *Applied Catalysis B*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 20** Juan Carlos Espinosa; Vincenzina Barbera; Mercedes Alvaro; Maurizio Galimberti; Sergio Navalón; Hermenegildo García. Catalytic ozonation using Edge-hydroxylated graphite-based materials. *ACS Sustainable Chemistry and Engineering*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 21** Javier Castells-Gil; Natalia M. Padial; Neyvis Almora-Barrios; Ivan da Silva; Diego Mateo; Josep Albero; Hermenegildo García; Carlos Martí-Gastaldo. De novo synthesis of mesoporous photoactive titanium(IV)-organic frameworks with MIL-100 topology. *Chemical Science*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 22** Maria Cabrero-Antonino; Sonia Remiro-Buenamanana; Manuel Souto; Antonio A. Garcia-Valdivia; Duane Choquesillo-Lazarte; Sergio Navalón; Antonio Rodríguez-Dieguez; Guillermo Minguez Espallargas; Hermenegildo García. Design of cost-efficient and photocatalytically active Zn-based MOFs decorated with Cu₂O nanoparticles for CO₂ methanation. *Chemical Communications*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 23** Sergio Navalón; Mercedes Álvaro; Amarajothi Dhakshinamoorthy; Hermenegildo García. Encapsulation of Metal Nanoparticles within Metal-Organic Frameworks for the Reduction of Nitro Compounds. *Molecules*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 24** Juan C. Espinosa; Mercedes Alvaro; Amarajothi Dhakshinamoorthy; Sergio Navalón; Hermenegildo García. Engineering Active Sites in Reduced Graphene Oxide: Tuning the Catalytic Activity for Aerobic Oxidation. *ACS Sustainable Chemistry and Engineering*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 25** Amarajothi Dhakshinamoorthy; Andrea Santiago-Portillo; Abdullah M. Asiri; Hermenegildo García. Engineering UiO-66 Metal Organic Framework for Heterogeneous Catalysis. *ChemCatChem*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 26** Juan C. Espinosa; Manickam-Periyaraman; Francisco Bernat-Quesada; Subramanian Sivanesan; Mercedes Álvaro; Hermenegildo García; Sergio Navalón. Engineering of activated carbon surface to enhance the catalytic activity of supported cobalt oxide nanoparticles in peroxymonosulfate activation. *Applied Catalysis B*. 2019.
Type of production: Scientific paper **Format:** Journal



Corresponding author: Yes

- 27** Monica Gimenez-Marques; Andrea Santiago-Portillo; Sergio Navalon; Mercedes Alvaro; Valerie Briois; Farid Nouar; Hermenegildo Garcia; Christian Serre. Exploring the catalytic performance of a series of bimetallic MIL-100(Fe, Ni) MOFs. *Journal of Materials Chemistry A*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 28** Amarajothi Dhakshinamoorthy; Abdullah M. Asiri; Hermenegildo Garcia. Formation of C–C and C–Heteroatom Bonds by C–H Activation by Metal Organic Frameworks as Catalysts or Supports. *ACS Catalysis*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 29** Hermenegildo García; Hermenegildo García. Graphene-Based Materials as Efficient Photocatalysts for Water Splitting. *Molecules*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 30** Yong Peng; Josep Albero; Eleuterio Alvarez; Hermenegildo Garcia. Hybrid benzidinium lead iodide perovskites with a 1D structure as photoinduced electron transfer photocatalysts. *Sustainable Energy and Fuels*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 31** Juan C. Espinosa; Rubén Castro Contreras; Sergio Navalón; Camila Rivera-Cárcamo; Mercedes Álvaro; Bruno F. Machado; Philippe Serp; Hermenegildo Garcia. Influence of Carbon Supports on Palladium Nanoparticle Activity toward Hydrodeoxygenation and Aerobic Oxidation in Biomass Transformations. *European Journal of Inorganic Chemistry*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 32** Sonia Remiro-Buenamañana; María Cabrero-Antonino; Marcos Martínez-Guanter; Mercedes Álvaro; Sergio Navalón; Hermenegildo García. Influence of co-catalysts on the photocatalytic activity of MIL-125(Ti)-NH₂ in the overall water splitting. *Applied Catalysis*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 33** Andrea Santiago-Portillo; Josep Albero; Sergio Navalón; Mercedes Alvaro; Hermenegildo García. Long-term photostability in Terephthalate Metal Organic Frameworks. *Angewandte Chemie*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 34** Cristina Vallés-García; Andrea Santiago-Portillo; Mercedes Álvaro; Sergio Navalón; Hermenegildo García. MIL-101(Cr)-NO₂ as efficient catalyst for the aerobic oxidation of thiophenols and the oxidative desulfurization of dibenzothiophenes. *Applied Catalysis A*. 590, Elsevier, 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 35** Amarajothi Dhakshinamoorthy; Sergio Navalon; Abdullah M. Asiri; Hermenegildo Garcia. Metal organic frameworks as solid catalysts for liquid-phase continuous flow reactions. *ChemComm*. Royal Society of Chemistry, 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes



- 36** Mohammad Yaser Masoomi; Ali Morsali; Amarajothi Dhakshinamoorthy; Hermenegildo Garcia. Mixed-Metal MOFs: Unique Opportunities in Metal– Organic Framework (MOF) Functionality and Design. *Angewandte Chemie*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 37** Luis M. Arellano; Sun Yue; Pedro Atienzar; Maria J. Gomez-Escalonilla; Francisco J. Ortega-Higueruelo; Jose Luis G. Fierro; Hermenegildo Garcia; Fernando Langa. Modulating charge carrier density and mobility in doped graphene by covalent functionalization. *Chemical Communications*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 38** Bogdan Jurca; Cristina Bucur; Ana Primo; Patricia Concepción; Vasile I. Parvulescu; Hermenegildo García. N-Doped Defective Graphene from Biomass as Catalyst for CO₂ Hydrogenation to Methane. *ChemCatChem*. 2019.
Type of production: Scientific paper
Corresponding author: Yes
- 39** Diego Mateo; Ana García-Mulero; Josep Albero; Hermenegildo García. N-doped defective graphene decorated by strontium titanate as efficient photocatalyst for overall water splitting. *Applied Catalysis B*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 40** Cristina Vallés-García; María Cabrero-Antonino; Sergio Navalón; Mercedes Álvaro; Amarajothi Dhakshinamoorthy; Hermenegildo García. Nitro functionalized chromium terephthalate metal-organic framework as multifunctional solid acid for the synthesis of benzimidazoles. *Journal of Colloid and Interface Science*. Elsevier, 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 41** Natalia Candu; Isabela Manb; Andrada Simion; Simona M. Coman; Cristina Bucur; Ana Primo; Hermenegildo Garcia; Vasile I. Parvulescu. Nitrogen-doped graphene as metal free basic catalyst for coupling reactions. *Journal of Catalysis*. 2019.
Type of production: Scientific paper
Corresponding author: Yes
- 42** Aicha Anouar; Nadia Katir; Abdelkrim El Kadib; Ana Primo; Hermenegildo García. Palladium Supported on Porous Chitosan–Graphene Oxide Aerogels as Highly Efficient Catalysts for Hydrogen Generation from Formate. *Molecules*. 2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
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Position of signature: 3

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 4**Corresponding author:** Yes

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Name of the conference: 247th ACS National Meeting & Exposition
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City of event: Valencia,

Date of event: 25/07/2011

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City of event: Bruselas, Bélgica,

Date of event: 21/01/2011

Hermenegildo Garcia. "Book of abstracts". pp. 1 - 11. organizacion del congreso,

20 Title of the work: Photoenhancement of the catalytic activity of supported gold nanoparticles

Name of the conference: 10th National Meeting on Photochemistry

City of event: Oporto, Portugal,

Date of event: 09/12/2010

Sergio Navalón; Maykel de Miguel; Mercedes Alvaro; Roberto Martín; García Gómez Hermenegildo. "Abstracts". pp. 25 - 25. SPQ,

21 Title of the work: Combined Fenton treatment using diamond supported gold as catalyst and biological degradation for optimized water treatment

Name of the conference: 2nd China-Spain Bilateral Symposium on Catalysis

City of event: Tarragona, España,

Date of event: 22/11/2010

Sergio Navalon; Roberto Martín; Mercedes Álvaro; García Gómez Hermenegildo. "Abstracts". pp. 59 - 59. ICIQ,

22 Title of the work: Nano-Jewels as catalysts: Gold on diamond nanoparticles as a highly efficient Fenton catalyst

Name of the conference: VII Simposio de Jóvenes Investigadores RSEQ-Sigma-Aldrich

City of event: Valencia, España,

Date of event: 10/11/2010

Sergio Navalon; Roberto Martín; Mercedes Alvaro; García Gómez Hermenegildo. "Proceedings". pp. 112 - 112. RSEQ,

23 Title of the work: Use of MOFs as Heterogeneous Catalysts for Fine Chemicals

Name of the conference: 3rd International Symposium of the Catalysis Research Center: Frontiers in Heterogeneous Catalysis

City of event: Garching, Alemania,



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CURRÍCULUM VITAE NORMALIZADO

61ae4a6ba11295da7f37e76fc65510a7

Date of event: 05/10/2010

Hermenegildo Garcia. "Book of abstracts". pp. 15 - 20. Organización del congreso,

24 Title of the work: Evaluación continua formativa durante la realización de un Proyecto Final de Carrera en Ingeniería Química

Name of the conference: III Jornada de Innovación Docente JIDINF'10

City of event: Valencia, España,

Date of event: 04/10/2010

Sergio Navalon; Roberto Martín; Mercedes Alvaro; Hermenegildo Garcia. "Abstracts". pp. 2 - 2. UPV,

25 Title of the work: Evaluación continua formativa durante la realización de un proyecto final de carrera en ingeniería química

Name of the conference: III JIDINF-Jornada de Innovación Docente ETS Ingeniería Informática

City of event: Valencia (España),

Date of event: 04/10/2010

Navalón Oltra Sergio; Martín González Roberto; Alvaro Rodríguez Maria Mercedes; García Gómez Hermenegildo. "Libro de Actas". pp. 1 - 1. UPV,

26 Title of the work: Novel Photocatalytic systems for environmental remediation and hydrogen generation

Name of the conference: i-Cat

City of event: Messina, Italia,

Date of event: 05/09/2010

Hermenegildo Garcia. "Book of abstracts". pp. 1 - 10. organizacion del congreso,

27 Title of the work: GOLD ON DIAMOND NANOPARTICLES AS A HIGHLY EFFICIENT VISIBLE LIGHT PHOTO-FENTON CATALYST

Name of the conference: XXIII IUPAC Symposium on Photochemistry

City of event: Ferrara (ITALIA),

Date of event: 11/07/2010

Sergio Navalon; Roberto Martín; Maykel de Miguel; Mercedes Alvaro; Belén Ferrer; Hermenegildo Garcia. "Libro de Abstracts". pp. 208 - 208. organización del congreso,

28 Title of the work: PHOTOPHYSICS OF FLUORENE COPOLYMERS: CONTROL OF FLUORESCENCE AND CHARGE SEPARATION BY THE PRESENCE OF CARBAZOLE, OXADIAZOLE OR BIPHENYL UNITS.

Name of the conference: XXIII IUPAC Symposium on Photochemistry

City of event: Ferrara (ITALIA),

Date of event: 11/07/2010

Maykel de Miguel; Mercedes Alvaro; Hermenegildo Garcia. "Libro de Abstracts". pp. 138 - 138. organización del congreso,

29 Title of the work: Tecnocas de oxidación avanzada

Name of the conference: II Jornadas de Tratamiento de Aguas

City of event: Barcelona, España,

Date of event: 25/06/2010

Hermenegildo Garcia. "book of abstracts". pp. 1 - 10. organizacion del congreso,

30 Title of the work: Catalysis for Green Chemistry

Name of the conference: American Institute of Chemical Engineering Annual Meeting (AIChE) 2010

City of event: San Antonio, Estados Unidos,

Date of event: 21/03/2010

Hermenegildo Garcia. "Book of abstracts". pp. 10 - 12. Organizacion del congreso,



- 31** **Title of the work:** FOTOQUÍMICA EN ESPACIOS CONFINADOS. DESDE ESTUDIOS BÁSICOS HACIA APLICACIONES
Name of the conference: IX Congreso de Fotoquímica
City of event: Leioa, Vizcaya, España,
Date of event: 21/09/2009
H. Garcia. "libro de abstracts". pp. 33 - 34. organizacion del congreso,
- 32** **Title of the work:** Fotoquímica de agregados de plata en cucurbituriles
Name of the conference: IX Congreso de Fotoquímica
City of event: Leioa, Vizcaya, España,
Date of event: 21/09/2009
M. de Miguel; M. Alvaro; H. Garcia. "libro de abstracts". pp. 51 - 52. organizacion del congreso,
- 33** **Title of the work:** Layered Double hydroxides as photocatalysts for visible light oxygen generation from water
Name of the conference: IX Congreso de Fotoquímica
City of event: Leioa, Vizcaya, España,
Date of event: 21/09/2009
C. G. Silva; V. Fornes; H. Garcia. "libro de abstracts". pp. 53 - 54. organizacion del congreso,
- 34** **Title of the work:** "One-pot" aerobic epoxidation of alkenes over Au/CeO₂ and Ti-mesoporous material by "in situ" generation of organic peroxides
Name of the conference: 9th European Congress on Catalysis (EuropaCAT 2009)
City of event: Salamanca, España,
Date of event: 31/08/2009
Carmela Aprile; Marcelo E. Domine; Avelino Corma; Hermenegildo García; Chris Mitchell. "Libro de abstracts". pp. 139 - 141. Desconocida,
- 35** **Title of the work:** ENHANCED EFFICIENCY IN VISIBLE LIGHT PHOTOCATALYTIC HYDROGEN GENERATION OF RUTHENIUM TRIS(2,2'-BIPYRIDYL)/METHYL VIOLOGEN SYSTEM BY THE PRESENCE OF CUCURBITURILS
Name of the conference: XXIV International Conference on Photochemistry
City of event: Toledo, España,
Date of event: 19/07/2009
C. G. Silva; M. de Miguel; R. Ferrer; M. Alvaro; H. Garcia. "Libro de abstracts". pp. 343 - 344. Organizacion del congreso,
- 36** **Title of the work:** ENHANCEMENT OF THE PHOTOCATALYTIC ACTIVITY OF TITANIA BY APPLYING PHYSICAL CONCEPTS
Name of the conference: XXIV International Conference on Photochemistry
City of event: Toledo, España,
Date of event: 19/07/2009
H. Garcia. "Libro de abstracts". pp. 60 - 61. Organizacion del congreso,
- 37** **Title of the work:** HYDROGEN PRODUCTION USING HYBRID ORGANIC POLYMER/SEMICONDUCTOR PHOTOVOLTAIC DEVICES
Name of the conference: XXIV International Conference on Photochemistry
City of event: Toledo, España,
Date of event: 19/07/2009
C. G. Silva; J. Ding; H. Garcia. "Libro de abstracts". pp. 340 - 341. Organizacion del congreso,



- 38** **Title of the work:** Metal organic frameworks beyond adsorption
Name of the conference: 32ª Reunião Anual da Sociedade Brasileira de Química
City of event: Fortaleza, Brasil,
Date of event: 29/05/2009
H. Garcia. "Libro de abstracts". pp. 10 - 17. organizacion del congreso,
- 39** **Title of the work:** Use of zeolites as photocatalysts
Name of the conference: 32ª Reunião Anual da Sociedade Brasileira de Química
City of event: Fortaleza, Brasil,
Date of event: 29/05/2009
H. Garcia. "Libro de abstracts". pp. 60 - 65. organizacion del congreso,
- 40** **Title of the work:** Combining different MOFs for the selective oxidation of cycloalkanes
Name of the conference: 1st International Conference on Metal organic frameworks and open framework compounds (MOF 2008)
City of event: Augsburg, Alemania,
Date of event: 08/10/2008
F. X. Llabrés i Xamena; O. Casanova; R. Galiasso; H. Garcia; A. Corma. "libro de actas". pp. 1 - 1. Organizacion del Congreso,
- 41** **Title of the work:** Hydrophobic metal-organic Ln(III) based nanoporous materials with high photoluminescent efficiency and good thermal stability
Name of the conference: 1st International Conference on Metal organic frameworks and open framework compounds (MOF 2008)
City of event: Augsburg, Alemania,
Date of event: 08/10/2008
Bogdan V. Harbuzaru; Fernando Rey; Pedro E. Etienzar; Jose L. Jorda; Hermenegildo García; Duarte Ananias; Luis D. Carlos; Joao Rocha. "libro de actas". pp. 87 - 89. Organizacion del Congreso,
- 42** **Title of the work:** Photoinduced Electron Transfer in Ionic Liquids. Photoactive gold nanoparticles in the submillisecond time scale.
Name of the conference: XXII IUPAC Symposium on Photochemistry
City of event: Goteborg, Suecia,
Date of event: 28/07/2008
1; 2; 3; 4; 5. "Libro de Actas". pp. 251 - 251. Organización del Congreso,
- 43** **Title of the work:** Unexpected photochemistry of carboranes
Name of the conference: XXII IUPAC Symposium on Photochemistry
City of event: Goteborg, Suecia,
Date of event: 28/07/2008
B. Ferrer; M. Alvaro; F. X. Llabrés i Xamena; L. Teruel; H. Garcia. "Libro de Actas". pp. 1 - 1. Organización del Congreso,
- 44** **Title of the work:** Novel Photocatalytic systems for hydrogen production and water splitting
Name of the conference: 2nd IDECAT Conference on Catalysis: Concepts, Complexity and Diversity in Catalysis
City of event: Porquerolles, Francia,
Date of event: 31/05/2008
Hermenegildo Garcia. "Book of Abstracts". pp. 1 - 5. IDECAT,



- 45** **Title of the work:** Metal Oxide Nanoparticles as Building Blocks for Periodic Mesoporous Materials: Application in Nanotechnology
Name of the conference: 5th International Symposium Nanoporous Materials
City of event: Vancouver, Canada,
Date of event: 25/05/2008
1; 2; 3. "Libro de resúmenes". pp. 58 - 58. Desconocida,
- 46** **Title of the work:** Efficient and green catalytic oxidation of tetralin using copper(II) and cobalt(II) Metal-Organic Frameworks (MOFs)
Name of the conference: III Conference on Supramolecular Approaches to Catalysis (SUPRACAT 2008)
City of event: Barcelona España,
Date of event: 02/03/2008
F. X. Llabrés i Xamena; O. Casanova; R. Galiasso; H. García; A. Corma. "Libro de Abstracts". pp. 1 - 9. ICIQ,
- 47** **Title of the work:** Physical Concepts in Photocatalysis
Name of the conference: III NIS Colloquium: Solar energy conversion in nanostructured photocatalysts
City of event: Turin, Italia,
Date of event: 18/10/2007
Hermenegildo Garcia. "Book of abstracts". pp. 21 - 22. Desconocida,
- 48** **Title of the work:** Improved photovoltaic performance of SWNT having covalently-attached 4,4'-bipyridinium ions as electron attracting groups
Name of the conference: 2nd International Conference on Semiconductor Photochemistry (SP-2)
City of event: Aberdeen, Reino Unido,
Date of event: 23/07/2007
F. X. Llabrés i Xamena; C. Aprile; P. Atienzar; A. Corma; L. Teruel; H. Garcia. "Book of Abstracts". pp. 112 - 112. The Robert Gordon University,
- 49** **Title of the work:** Zeolite-Based Photocatalysts
Name of the conference: V International Symposium of Romanian Society of Catalysis (ROMCAT 2007)
City of event: Bucarest, Rumania,
Date of event: 27/06/2007
Hermenegildo Garcia. "Books of Abstracts". pp. 2 - 8. Desconocida,
- 50** **Title of the work:** Direct and reverse shape-selective catalysis by metal-organic frameworks
Name of the conference: 1st IDECAT CONFERENCE CONCEPTS, COMPLEXITY AND DIVERSITY ON CATALYSIS
City of event: Porquerolles, Francia,
Date of event: 12/05/2007
F. X. Llabrés i Xamena; A. Corma; H. Garcia. "Book of Abstracts". pp. 1 - 1. IDECAT,
- 51** **Title of the work:** Differences between internal and external surfaces in the catalytic activity of metal-organic frameworks: ¿direct¿ and ¿reverse¿ shape-selectivities
Name of the conference: 1st ERA Chemistry Flash Conference: Molecules at the interface: from single molecule to functional assemblies
City of event: Autrans, Francia,
Date of event: 12/03/2007
F. X. Llabrés i Xamena; A. Corma; H. Garcia. "Book of abstracts". pp. 68 - 68. ERA-CHEMISTRY,



- 52** **Title of the work:** Bridging the Gap between Homogeneous and Heterogeneous Catalysis
Name of the conference: 1st ERA-Chemistry Flash Conference 2007
City of event: Autrans, Francia,
Date of event: 11/03/2007
Hermenegildo Garcia. "Book of abstracts". pp. 10 - 12. Desconocida,
- 53** **Title of the work:** Zeolites in Nanotechnology
Name of the conference: International Conference on Materials For the Millennium 2007
City of event: Kochin, India,
Date of event: 01/03/2007
Hermenegildo Garcia. "book of abstracts". pp. 3 - 10. desconocida,
- 54** **Title of the work:** La Química en el cambio de milenio: un pasado brillante y un futuro prometedor
Name of the conference: II Semana de la Ciencia de la Rioja
City of event: Logroño, España,
Date of event: 17/11/2006
Hermenegildo Garcia. "Reumen". pp. 1 - 1. LR,
- 55** **Title of the work:** Comportamiento del MOF-5 como semiconductor cuántico: diseño de nuevas aplicaciones en nanotecnología
Name of the conference: III Simposium de Investigadores Jóvenes Real Sociedad Española Química
City of event: Tarragona, España,
Date of event: 16/11/2006
F. X. Llabrés i Xamena; A. Corma; H. García. "Resumen". pp. 1 - 1. SIJ,
- 56** **Title of the work:** Aerobic oxidation of alcohols using gold nanoparticles as catalysts
Name of the conference: 1st International IUPAC Conference on Green-Sustainable Chemistry
City of event: Dresden, Alemania,
Date of event: 10/09/2006
Garcia H."Abstracts". pp. 1 - 1. IUPAC,
- 57** **Title of the work:** Applications of Zeolites in Nanotechnology
Name of the conference: Congress IAP Supramolecular Chemistry and Catalysis 2006
City of event: Lieja, Bélgica,
Date of event: 09/09/2006
Hermenegildo Garcia. "Abstracts". pp. 1 - 1. IAP,
- 58** **Title of the work:** Hybrid organic-Inorganic materials in Catalysis
Name of the conference: 2nd European Summer School on Functional Advanced Materials
City of event: Tenerife, España,
Date of event: 06/09/2006
Hermenegildo Garcia. "Abstracts". pp. 1 - 1. ESSFAM,
- 59** **Title of the work:** Ionic liquids as solvents for photochemical reactions
Name of the conference: 20th International Symposium on Radical Ion Reactivity (ISRIR 2006)
City of event: Roma, Italia,
Date of event: 26/06/2006
Garcia H."Abstracts". pp. 1 - 1. ICRI,



- 60** **Title of the work:** Zeolites from basic science to applications
Name of the conference: XXV The Ottawa-Carleton Chemistry Institute OCCI Symposium
City of event: Ottawa, Canada,
Date of event: 25/05/2006
Garcia H."Abstracts". pp. 1 - 1. OO,
- 61** **Title of the work:** Green aerobic oxidations using gold catalysts
Name of the conference: 2nd International Symposium on Green-Sustainable Chemistry
City of event: New Delhi, India,
Date of event: 14/01/2006
Garcia H."Abstracts". pp. 1 - 1. IUPAC,
- 62** **Title of the work:** Use of MOFs as Heterogeneous Catalysts for Fine Chemicals
Name of the conference: 7th International Symposium on Catalysis Applied to Fine Chemicals (CAFC 2005)
City of event: Bingen/Mainz, Alemania,
Date of event: 30/10/2005
Hermenegildo Garcia. "Book of abstracts". pp. 20 - 25. Dechema,
- 63** **Title of the work:** Instrumento para la medida automatizada de variables características de diodos electroluminiscentes orgánicos (OLED_{¿s})
Name of the conference: XII Seminario Anual de Automática, Electrónica Industrial e Instrumentación (SAAEI 2005)
City of event: Santander, España,
Date of event: 28/09/2005
D. Fabuel; E. Guijarro; J. L. Martinez de Juan; J.F Cabeza; H. Garcia; M. Alvaro. "Resúmenes de los trabajos". pp. 1 - 9. SP Universidad de Cantabria,
- 64** **Title of the work:** POLIETILENGLICOL COMO NUEVO MEDIO PARA LLEVAR A CABO REACCIONES DE ACOPLAMIENTO C-C: DESARROLLO DE UN SISTEMA CATALÍTICO REUTILIZABLE DE PALADIO.
Name of the conference: XXX Reunión Bienal de la Real Sociedad Española de Química (RSEQ)
City of event: Lugo, España,
Date of event: 19/09/2005
A. Leyva; H. García; A. Corma. "Libro de Actas". pp. 0 - 0. RSEQ,
- 65** **Title of the work:** Synthesis of periodic mesoporous material contituted by gold nanoparticles and its catalytic applications
Name of the conference: 7th European Congress on Catalysis (EuropaCAT 2005)
City of event: Sofía, Bulgaria,
Date of event: 01/09/2005
C. Aprile; A. Abad; Alvaro M.; H. García; A. Corma. "libro de abstracts". pp. 34 - 34. EFCATS,
- 66** **Title of the work:** Fotoquímica
Name of the conference: VII Congreso de Fotoquímica
City of event: Logroño, España,
Date of event: 22/06/2005
Pedro Atienzar; Pedro Atienzar. "Libro de Resúmenes". pp. 65 - 65. Universidad de La Rioja,
- 67** **Title of the work:** Transition Metal and Rare-Earth Oxide Inverse Opals
Name of the conference: International Symposium on Photonic and Electromagnetic Crystal Structures (PECS-VI)



City of event: Aghia Pelagia, Grecia,

Date of event: 19/06/2005

I. Rodriguez; F. Meseguer; A. Corma; H. Garcia. "Proceedings". pp. 1 - 1. PECS,

68 Title of the work: Transition metal complexes in imidazolium liquids as recoverable catalysts in organic synthesis: Catalysis for cyanosilylation, Suzuki coupling and CO₂ fixation

Name of the conference: 223rd American Chemical Society National Meeting (ACS)

City of event: Orlando, Estados Unidos,

Date of event: 30/04/2002

H. Garcia. "Abstracts of papers". pp. 281 - 281. ACS,

69 Title of the work: Laser Flash Fotólisis del Catalizador de Jacobsen y otros Complejos Derivados Mn(III)salen. Relevancia en Catálisis

Name of the conference: V Congreso de fotoquímica

City of event: Torremolinos, España,

Date of event: 04/04/2001

María J. Sabater; H. García. "libro de actas". pp. 34 - 34. Universidad de Málaga,

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

1 Committee title: Nanomaterials

Start date: 2018

2 Committee title: CHEMISTRY-A EUROPEAN JOURNAL. Tipo participación: Comité de edición. ISSN: 0947-6539

Start date: 2015

3 Committee title: ChemCatChem. Tipo participación: Comité de edición. ISSN: 1867-3880

Start date: 2015

4 Committee title: ChemPlusChem. Tipo participación: Comité de edición. ISSN: 2192-6506

Start date: 2015

5 Committee title: Energy and Environmental Science. Tipo participación: Comité de edición. ISSN: 1754-5692

Start date: 2015

6 Committee title: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES . Tipo participación: Comité de edición. ISSN: 1422-0067

Start date: 2015

7 Committee title: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL. Tipo participación: Comité de edición. ISSN: 1381-1169

Start date: 2015

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- 8** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Editor adjunto. ISSN: 1474-905X
Start date: 2015
- 9** **Committee title:** CHEMISTRY-A EUROPEAN JOURNAL. Tipo participación: Comité de edición. ISSN: 0947-6539
Start date: 2014
- 10** **Committee title:** ChemCatChem. Tipo participación: Comité de edición. ISSN: 1867-3880
Start date: 2014
- 11** **Committee title:** Energy and Environmental Science. Tipo participación: Comité de edición. ISSN: 1754-5692
Start date: 2014
- 12** **Committee title:** INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES . Tipo participación: Comité de edición. ISSN: 1422-0067
Start date: 2014
- 13** **Committee title:** JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL. Tipo participación: Comité de edición. ISSN: 1381-1169
Start date: 2014
- 14** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Editor adjunto. ISSN: 1474-905X
Start date: 2014
- 15** **Committee title:** CHEMISTRY-A EUROPEAN JOURNAL. Tipo participación: Comité de edición. ISSN: 0947-6539
Start date: 2013
- 16** **Committee title:** ChemCatChem. Tipo participación: Comité de edición. ISSN: 1867-3880
Start date: 2013
- 17** **Committee title:** Energy and Environmental Science. Tipo participación: Comité de edición. ISSN: 1754-5692
Start date: 2013
- 18** **Committee title:** INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES . Tipo participación: Comité de edición. ISSN: 1422-0067
Start date: 2013
- 19** **Committee title:** JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL. Tipo participación: Comité de edición. ISSN: 1381-1169
Start date: 2013
- 20** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Editor adjunto. ISSN: 1474-905X
Start date: 2013



- 21** **Committee title:** ChemCatChem. Tipo participación: Comité de edición. ISSN: 1867-3880
Start date: 2012
- 22** **Committee title:** Energy and Environmental Science. Tipo participación: Comité de edición. ISSN: 1754-5692
Start date: 2012
- 23** **Committee title:** INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES . Tipo participación: Comité de edición. ISSN: 1422-0067
Start date: 2012
- 24** **Committee title:** JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL. Tipo participación: Comité de edición. ISSN: 1381-1169
Start date: 2012
- 25** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Editor adjunto. ISSN: 1474-905X
Start date: 2012
- 26** **Committee title:** Energy and Environmental Science. Tipo participación: Comité de edición. ISSN: 1754-5692
Start date: 2011
- 27** **Committee title:** JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL. Tipo participación: Comité de edición. ISSN: 1381-1169
Start date: 2011
- 28** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Editor adjunto. ISSN: 1474-905X
Start date: 2011
- 29** **Committee title:** Energy and Environmental Science. Tipo participación: Comité de edición. ISSN: 1754-5692
Start date: 2010
- 30** **Committee title:** JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL. Tipo participación: Comité de edición. ISSN: 1381-1169
Start date: 2010
- 31** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Comité de edición. ISSN: 1474-905X
Start date: 2010
- 32** **Committee title:** Energy and Environmental Science. Tipo participación: Comité de edición. ISSN: 1754-5692
Start date: 2009
- 33** **Committee title:** JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL. Tipo participación: Comité de edición. ISSN: 1381-1169
Start date: 2009



- 34** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Comité de edición. ISSN: 1474-905X
Start date: 2009
- 35** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Comité de edición. ISSN: 1474-905X
Start date: 2008
- 36** **Committee title:** European Reserch Area. Tipo participación: Miembro del comité de Programa
Start date: 2007
- 37** **Committee title:** Materials for the third Millenium 2007. Tipo participación: Miembro del comité de Programa
Start date: 2007
- 38** **Committee title:** Photochemical and Photobiological Sciences. Tipo participación: Comité de edición. ISSN: 1474-905X
Start date: 2007
- 39** **Committee title:** V International Symposium of Romanian Society of Catalysis. Tipo participación: Miembro del comité de Programa
Start date: 2007

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** UNIVERSITY OF OTTAWA
City of entity: OTTAWA, Canada
Start date: 01/01/2007 **Duration:** 3 months
- 2** **Entity:** CHEMISTRY DEPARTMENT
City of entity: OTTAWA, Canada
Start date: 01/01/2000 **Duration:** 3 months
- 3** **Entity:** CHEMISTRY DEPARTMENT
City of entity: OTTAWA, Canada
Start date: 01/01/1996 **Duration:** 6 months
- 4** **Entity:** CHEMISTRY DEPARTMENT
City of entity: OTTAWA, Canada
Start date: 01/01/1992 **Duration:** 12 months



Prizes, mentions and distinctions

- 1** **Description:** Premio Nacional “Enrique Moles” de Ciencia y Tecnología Químicas
Awarding entity: Ministerio de Ciencia e Innovación **Type of entity:** Ministerio de Ciencia e Innovación
City awarding entity: Spain
Conferral date: 2021
- 2** **Description:** Lee Hsun Research Award by Chinese Academy of Science
Awarding entity: Institute of Metal Research, Chinese Academy of Sciences **Type of entity:** Innovation and Technology Centres
City awarding entity: China
Conferral date: 2016
- 3** **Description:** Rey Jaime I de Nuevas Tecnologías
Awarding entity: AYUNTAMIENTO DE VALENCIA
City awarding entity: Valencia, Valencian Community, Spain
Conferral date: 2016
- 4** **Description:** Distinguished adjunct Professor
Awarding entity: King Abdullah University **Type of entity:** University
City awarding entity: Saudi Arabia
Conferral date: 2014
- 5** **Description:** Thomson Reuters List of Highly-Cited Chemists
Conferral date: 2014
- 6** **Description:** Doctorado Honoris Causa
Awarding entity: Universidad de Bucharest
Conferral date: 09/09/2011
- 7** **Description:** Distinguished Visiting Professor
Awarding entity: University of Ottawa **Type of entity:** University
City awarding entity: Canada
Conferral date: 2011
- 8** **Description:** Janssen-Cilag Award for Organic Chemistry
Awarding entity: Spanish Royal Society of Chemistry
City awarding entity: Spain
Conferral date: 2011
- 9** **Description:** Alpha Gold Award
Awarding entity: Spanish Society of glass and ceramics
City awarding entity: Spain
Conferral date: 2009
- 10** **Description:** Fellow of the Japan Society for the promotion of science
Awarding entity: Japan Society
City awarding entity: Japan



Conferral date: 2008

Periods of research activity

Nº of recognized periods: 6

Date of recognition: 31/12/2016

Summary of other achievements

Description of the achievement: Miembro Del Comité organizador del XX IUPAC Saymposium on Photochemistry (Granada Julio 2004). Miembro del Management Committee de la Acción Cost D29 on Green Chemistry desde enero del 2003. Miembro del comité de evaluador de proyectos del área de Ciencias y Tecnologías Química del Ministerio de Ciencia y Tecnología. Miembro del comité de evaluadores del área de química de la Generalitat de Catalunya desde septiembre 2003. Miembro del Comité de expertos del área de Química de la Comunidad Autónoma de Murcia. Evaluador ocasional de programas de la Unión Europea (Programa EURY) y de la European Research Area (Programa SONS). Evaluador ocasional de proyectos nacionales de la República Argentina (desde 2004). Evaluador de proyectos para varias Universidades y organismos públicos. Censor habitual en gran número de revistas científicas incluyendo: Angewandte Chemie Chemistry A European Journal The Journal of the American Chemical Society The Journal of Physical Chemistry (A, B y C) ChemPhysChem Advanced Functional Materials The Journal of Organic Chemistry Chemistry of Materials Chemical Communications New Journal of Chemistry Journal of Catalysis Journal of Molecular Catalysis A Applied Catalysis (A y B) Catalysis Letters Catalysis Today Comptes Rendus Tetrahedron y Tetrahedron Letters. Número de proyectos evaluados (Anep u homologables): 16 Profesor curso de doctorado de excelencia cursos 2004/2005, 2005/2006 y 2006/2007: Procesos de Síntesis en la Industria Químico-Farmacéutica. Asignatura impartida: Síntesis en Fase Sólida. Ayuda de la Japanese Society for the Promotion of Science para una estancia en Japón visitando las Universidades de Osaka y Tohoku. Comité Evaluador de Tesis Doctoral en la Unviersidad de Leuven (Diciembre 2003). Miembro de la Comisión de Doctorado de la Universidad de Torino, Departamento de Química Física