



José Luis Tirado Coello

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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.

José Luis Tirado Coello (JLT) completó su Doctorado en Química en 1982, obteniendo varios premios, incluyendo el Tolsa sobre materiales cerámicos. Realizó una estancia post-doctoral en Cambridge (Reino Unido) y obtuvo plaza de Profesor Titular en la Universidad de Córdoba (UCO) en 1986. En la actualidad es Catedrático de Química Inorgánica y director del grupo de investigación "Química y Electroquímica de Materiales Inorgánicos", Grupo FQM 288 del Plan Andaluz de Investigación (www.uco.es/investiga/grupos/QEMI/). Durante más de veinte años, su actividad de investigación se ha relacionado con el campo de los materiales inorgánicos para baterías recargables, con especial énfasis en las baterías de iones de litio y de sodio.

JLT ha liderado el grupo de investigación de la UCO participante y/o coordinado varios proyectos de investigación europeos: JOU2-CT93-0326, ERB-CIPA-CT92-0131, ERB-CIPD-CT94-0501, ENK6-CT2000-00082, ERB-FMBI-CT98-3020 y SES6-CT2003-503532, así como proyectos del Programa Nacional de Materiales MAT1994-1155-CE, MAT1999-0741, MAT2000-2721-CE, MAT2002-00434, MAT2005-00374, MAT2008-05880, MAT2011-22753, y un proyecto de Excelencia del Plan Andaluz de Investigación. También ha conseguido financiación mediante contratos con empresas internacionales, SAFT (Francia), Umicore (Bélgica), grupo Antolín, Repsol (Madrid), Investigación ABENGOA (Sevilla), etc. También fue uno de los miembros fundadores de la Red Europea de Excelencia ALISTORE, lo que llevó a la creación del Instituto Europeo del mismo nombre. Ha disfrutado de valiosas colaboraciones con diversos grupos de investigación internacionales, que incluyen las Universidades de Marsella y Montpellier II (Francia), Kent (Reino Unido), Universidad Técnica de Darmstadt (Alemania), Universidad Tecnológica de Delft (Holanda), Instituto de Química General e Inorgánica (Sofía, Bulgaria), INCAR (Oviedo) y UCM (Madrid), entre otros.

La actividad de investigación de JLT ha producido una amplia literatura científica con más de trescientas publicaciones en revistas internacionales, algunas de ellas en revistas de alto impacto, como Mater. Sci. Eng. R (IF > 12), o Chem. Mater. (IF > 8), numerosas comunicaciones a congresos internacionales, un porcentaje significativo de conferencias invitadas, patentes, un libro y varios capítulos de libros sobre las baterías, etc. Sus publicaciones han recibido más de 6500 citas. Es miembro del Consejo Editorial de la revista Journal of Solid State Electrochemistry (Springer).

En cuanto a las capacidades de formación de JLT, cabe señalar que desde hace diez años es el director en España del Máster Internacional "Materiales para el almacenamiento y conversión de energía (MESC)", que recientemente fue renovado por un segundo periodo de cinco años en el programa Erasmus Mundus, y Coordinador del programa de doctorado de la Universidad de Córdoba, "Materiales y Energía". JLT ha dirigido más de 20 Tesis Doctorales, algunas de ellas recibieron premio extraordinario y/o mención internacional. y un buen número de investigadores post-doctorales nacionales e internacionales, entre ellos cuatro FPI y dos Ramón y Cajal.

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.

Nº de sexenios de investigación = 5 (3TU + 2CU)

Fecha de finalización del próximo sexenio: 31/12/2016

Nº de publicaciones en revistas Q1 desde 01/01/2011 = 58

<http://orcid.org/0000-0002-8317-2726>

Nº de quinquenios docentes = 6 (3TU + 3CU)

Tesis Doctorales dirigidas = 22

Proyectos europeos dirigidos y coordinados = 4 (1 JOULE2, 2 COPERNICO, 1 MARIE CURIE)

Proyectos europeos dirigidos = 2 (1 ENERGY, 1 NOE)

Proyectos dirigidos (Programa Nacional de Materiales) = 6 MAT

Datos RESEACHER ID J-9904-2014

Total Articles in Publication List: 358

Articles With Citation Data: 341

Sum of the Times Cited: 7544

Average Citations per Article: 22.12

h-index: 41

Last Updated: 05/11/2017

<http://www.researcherid.com/rid/J-9904-2014>

Datos SCOPUS Author ID: 7005171029

Documents: 340

Citations: 7625 total citations by 4974 documents

h-index: 43

<http://www.scopus.com/authid/detail.uri?authorId=7005171029>

Datos GOOGLE ACADEMICO

Índices de citas	Total	Desde 2011
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Citas	9446	5164
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Índice h	46	37
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Índice i10	200	126
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<https://scholar.google.es/citations?user=mtiU4ioAAAAJ&hl=es>

ORCID: <http://orcid.org/0000-0002-8317-2726>

José Luis Tirado Coello

Surname(s): **Tirado Coello**
Name: **José Luis**
Gender: **Male**
Nationality: **Spain**
Land line phone: **(34) 957218637**
Email: **iq1ticoj@uco.es**

Current professional situation

Employing entity: Universidad de Córdoba
Professional category: Catedrático de Universidad
Start date: 06/11/2004
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 230300 - Inorganic chemistry

Employing entity: Universidad de Córdoba
Department: Química Inorgánica e Ingeniería Química
Professional category: Otros
City employing entity: Córdoba, Andalusia, Spain
Phone: 957218637

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Córdoba	Profesor Titular de Universidad	01/05/1986
2	Universidad de Córdoba	Profesor Agregado de Universidad	01/12/1982
3	Universidad de Córdoba	Docente Ayudante	01/10/1980
4	Universidad de Córdoba	Coordinador del Programa de Doctorado "Materiales y Energía"	01/01/2008
5	Universidad de Córdoba	Director del Máster Erasmus Mundus "Materials for energy storage and conversion (MESC)"	01/09/2004

1 **Employing entity:** Universidad de Córdoba
Professional category: Profesor Titular de Universidad
Start-End date: 01/05/1986 - 05/11/2004
Type of contract: Civil servant

2 **Employing entity:** Universidad de Córdoba **Type of entity:** University
Professional category: Profesor Agregado de Universidad
Start-End date: 01/12/1982 - 30/04/1986
Type of contract: Temporary



- 3** **Employing entity:** Universidad de Córdoba **Type of entity:** University
Professional category: Docente Ayudante
Start-End date: 01/10/1980 - 30/11/1982
Type of contract: Temporary employment contract
- 4** **Employing entity:** Universidad de Córdoba **Type of entity:** University
City employing entity: - UNIVERSIDAD DE CÓRDOBA,
Professional category: Coordinador del Programa de Doctorado "Materiales y Energía" **Educational Management (Yes/No):** Yes
Start date: 01/01/2008 **Duration:** 3286 days
- 5** **Employing entity:** Universidad de Córdoba
City employing entity: - UNIVERSIDAD DE CÓRDOBA,
Professional category: Director del Máster Erasmus Mundus "Materials for energy storage and conversion (MESC)" **Educational Management (Yes/No):** Yes
Start date: 01/09/2004



Education

University education

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

1 University degree: Doctorate

Name of qualification: Supervisor de Instalaciones Radiactivas

Degree awarding entity: Consejo de Seguridad Nuclear **Type of entity:** State agency

Date of qualification: 01/01/1990

2 Name of qualification: Licenciado en Ciencias Químicas

Degree awarding entity: Universidad de Córdoba **Type of entity:** University

Date of qualification: 07/06/1980

Prize: Special award for degree

Doctorates

Doctorate programme: Facultad de Ciencias

Degree awarding entity: Universidad de Córdoba **Type of entity:** University

Date of degree: 30/10/1982

Special doctorate award: Yes

Language skills

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

Teaching experience

Experience supervising doctoral thesis and/or final year projects

1 Project title: Avances en la utilización del fosfato de sodio y vanadio como electrodo positivo en baterías de ion sodio

Type of project: Doctoral thesis

Co-director of thesis: José Luis Tirado Coello; Pedro Lavela Cabello

Entity: Universidad de Córdoba

Type of entity: University

Student: Rafael Klee Morán

Obtained qualification: Sobresaliente cum laude

Date of reading: 17/02/2017



- 2** **Project title:** Diseño racional de electrodos positivos de alto rendimiento de fosfato de litio y hierro con polímero conductor para baterías de ión litio
Entity: Universidad de Córdoba **Type of entity:** University
Student: Daniel Cíntora Juárez
Obtained qualification: Sobresaliente cum laude
Date of reading: 06/05/2016
- 3** **Project title:** Nanomateriales estructurados obtenidos mediante electroquímica y sonoquímica y su aplicación como electrodos de baterías de iones alcalinos
Entity: Universidad de Córdoba **Type of entity:** University
Student: José Ramón González Jiménez
Obtained qualification: Sobresaliente cum laude. Premio Extraordinario de Doctorado
Date of reading: 22/09/2015
European doctorate: Yes
- 4** **Project title:** Optimización de la nanoestructura y efecto de la funcionalización en aerogeles de carbono ultraporosos para la eliminación electro-asistida de cloruro sódico de agua salobre
Entity: Universidad de Córdoba **Type of entity:** University
Student: Gloria Rasines Calonge
Date of reading: 24/07/2015
- 5** **Project title:** Síntesis y caracterización de xerogeles y aerogeles de carbono con aplicación en desionización capacitiva en aguas salinas
Entity: Universidad de Córdoba **Type of entity:** University
Student: María del Carmen Zafra Jiménez
Date of reading: 15/04/2015
- 6** **Project title:** Nanomateriales para baterías de ión litio e ión sodio basados en nuevos diseños arquitecturados.
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: María del Carmen López Luna
Obtained qualification: Apto cum laude. Premio Extraordinario de Doctorado
Date of reading: 26/09/2014
- 7** **Project title:** Materiales para baterías de ión litio e ión sodio: óxidos mixtos para ánodos de conversión y fosfatos para cátodos de intercalación
Type of project: Doctoral thesis
Entity: Universidad de Córdoba
Student: CANDELA VIDAL-ABARCA GARRIDO
Obtained qualification: SOBRESALIENTE CUM LAUDE. TESIS INTERNACIONAL
Date of reading: 21/05/2012
European doctorate: Yes
- 8** **Project title:** Developent of nanoparticulate forms of tin-based alloy materials for high energy density anodes in lithium-ion batteries
Type of project: Doctoral thesis
Entity: Universidad de Córdoba
Student: UCHE GODSWILL NWOKEKE
Obtained qualification: APTO CUM LAUDE
Date of reading: 03/05/2012



- 9** **Project title:** Oxisales de elementos metálicos: nuevos electrodos para baterías de ion-litio
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: MARÍA JOSÉ ARAGÓN ALGARRA
Obtained qualification: Sobresaliente cum laude
Date of reading: 17/05/2010
European doctorate: Yes
- 10** **Project title:** Compuestos intermetálicos micro- y nano-estructurados basados en el estaño para baterías de ion litio
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: INÉS RODRÍGUEZ SÁNCHEZ
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 18/12/2008
- 11** **Project title:** Estudio de materiales de electrodo para celdas de ion-litio que incorporan el fosfuro de estaño
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: BERNARDO LEÓN MOHEDANO
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 05/03/2007
- 12** **Project title:** Materiales de carbono micro y nanoestructurados alternativos para el electrodo negativo de baterías de ión litio y sodio de alto rendimiento
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 20/03/2006
- 13** **Project title:** Óxidos mixtos de metales de transición para electrodos de baterías tipo ión-litio e ión sodio
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: MARGARITA JARABA CABALLERO
Obtained qualification: Sobresaliente cum laude
Date of reading: 19/12/2003
- 14** **Project title:** Estudio de materiales anódicos para baterías recargables de ión-litio
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: FRANCISCO JAVIER FERNANDEZ MADRIGAL
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 19/12/2001
- 15** **Project title:** Desarrollo y estudio de óxidos laminares para baterías avanzadas de litio
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: RICARDO ALCÁNTARA ROMÁN
Obtained qualification: Sobresaliente cum laude



Date of reading: 20/05/1998

European doctorate: Yes

16 Project title: Reacciones de intercalación en calcogenuros del grupo 5

Type of project: Doctoral thesis

Entity: Universidad de Córdoba

Type of entity: University

Student: Rafael Guzmán Cruz

Obtained qualification: Sobresaliente cum laude

Date of reading: 11/07/1995

17 Project title: Intercalación de metales alcalinos en calcogenuros de estaño

Type of project: Doctoral thesis

Entity: Universidad de Córdoba

Type of entity: University

Student: CARLOS PEREZ VICENTE

Obtained qualification: Apto cum laude

Date of reading: 02/03/1995

18 Project title: Intercalación de especies donadoras de electrones en calcogenuros con estructura laminar desajustada

Type of project: Doctoral thesis

Entity: Universidad de Córdoba

Type of entity: University

Student: LUIS SANCHEZ GRANADOS

Obtained qualification: SOBRESALIENTE CUM LAUDE

Date of reading: 18/11/1994

19 Project title: Preparación y propiedades de compuestos de inserción de metales alcalinos en sulfuros ternarios de metales de transición.

Type of project: Doctoral thesis

Entity: Universidad de Córdoba

Type of entity: University

Student: Pedro Javier Lavela Cabello

Obtained qualification: Apto cum laude

Date of reading: 12/11/1993

20 Project title: Preparación y caracterización de óxidos mixtos de Mn, Fe y Co mediante el uso de carbonatos y oxihidróxidos precursores

Type of project: Doctoral thesis

Entity: Universidad de Córdoba

Type of entity: University

Student: Juan Miguel Jimenez Mateos

Obtained qualification: Apto cum laude

Date of reading: 02/04/1990

21 Project title: Síntesis, caracterización y reactividad de óxidos de hierro y cobalto litiados

Type of project: Doctoral thesis

Entity: Universidad de Córdoba

Type of entity: University

Student: JOSE MARIA FERNANDEZ RODRIGUEZ

Obtained qualification: SOBRESALIENTE CUM LAUDE

Date of reading: 08/06/1988

22 Project title: Influencia de la deformación mecánica en la transformación de fase vaterita calcita

Type of project: Doctoral thesis

Entity: Universidad de Córdoba

Type of entity: University



Student: Cristobalina Barriga Carrasco
Obtained qualification: SOBRESALIENTE CUM LAUDE
Date of reading: 22/03/1985

- 23** **Project title:** Descomposición térmica del oxihidróxido de cobalto CoOOH: Cinética y evolución de la cristalinidad del Co₃O₄ resultante
Type of project: Doctoral thesis
Entity: Universidad de Córdoba **Type of entity:** University
Student: Lourdes Hernán Paadín
Obtained qualification: Sobresaliente cum laude
Date of reading: 15/10/1984

Educational or pedagogical publications, books, articles, etc.

P. Simon; P. Knauth; J.L. Tirado; J. Plochanski; W Wieczorek; A Barnabe; J.M. Tarascon; C. Masquelier. Journal of Chemical Education. 88, pp. 1203 - 1206. ACS, 2011.

Name of the materials: Give Energy to Your Study: Students Worldwide Gather in Europe To Design Future Materials for Energy Storage and Conversion.

Date of drafting: 2011

Format: Article(s)

Participation in innovative teaching projects

- 1** **Project title:** Técnicas de Caracterización en Química Inorgánica: Desarrollo de módulos interactivos de aprendizaje (e-Learning) e Integración en Dispositivos Móviles (m-Learning)
Type of participation: Team member
Name of the main researcher: Carlos Pérez Vicente
Funding entity: Universidad de Córdoba **Type of entity:** University
Start-End date: 01/06/2013 - 31/12/2014
- 2** **Project title:** Creación de repositorio para enseñanza y aprendizaje de Análisis Térmico
Type of participation: Team member
Name of the main researcher: Ricardo Alcántara Román
Funding entity: Universidad de Córdoba **Type of entity:** University
Start-End date: 01/01/2012 - 31/12/2012
- 3** **Project title:** Desarrollo de herramientas para el fomento del autoaprendizaje de química inorgánica en un entorno virtual
Type of participation: Team member
Name of the main researcher: Pedro Javier Lavela Cabello
Number of participants: 4
Funding entity: Universidad de Córdoba **Type of entity:** University
End date: 31/12/2011

Scientific and technological experience

Research and development groups/teams

Name of the group: Química y Electroquímica de Materiales Inorgánicos

Aims of the group: Plan Andaluz de Investigación, Desarrollo e Innovación

Name of principal investigator: José Luis Tirado Coello

Standardised code: FQM288

Type of collaboration: Co-authorship of projects and their development

Affiliation entity: Universidad de Córdoba

Type of entity: University

Start date: 2000

Scientific or technological activities

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

- 1** **Name of the project:** Baterías post ion-Li: del sodio al aluminio
Entity where project took place: Universidad de Córdoba
Type of entity: University
Name principal investigator (PI, Co-PI....): Pedro Lavela Cabello; Ricardo Alcántara Román
Start-End date: 01/01/2015 - 31/12/2017
Total amount: 150.000 €
- 2** **Name of the project:** Hacia una batería ion-Li de estado sólido: materiales nanoestructurados obtenidos por vía electroquímica (MAT2011-22753)
Entity where project took place: Universidad de Córdoba
Type of entity: University
Name principal investigator (PI, Co-PI....): José Luis Tirado Coello
Start-End date: 01/01/2012 - 30/06/2015
Total amount: 280.000 €
- 3** **Name of the project:** Oxisales para los electrodos de inserción/conversión de baterías avanzadas de ión litio e ión sodio (MAT2008-05880)
Entity where project took place: Universidad de Córdoba
Type of entity: University
Name principal investigator (PI, Co-PI....): José Luis Tirado Coello
Start-End date: 01/01/2009 - 31/12/2011
Total amount: 249.260 €
- 4** **Name of the project:** Preparación de nanomateriales para las baterías de ión litio mediante el uso de micelas inversas (Junta de Andalucía. Proyecto de Excelencia P06-FQM-01447)
Entity where project took place: Universidad de Córdoba
Name principal investigator (PI, Co-PI....): José Luis Tirado Coello
Start-End date: 01/01/2007 - 31/12/2009
Total amount: 217.999,88 €

- 5** **Name of the project:** Advanced lithium energy storage systems based on the use of nano-powders and nano-composite electrodes/electrolytes (Red de Excelencia ALISTORE. Sexto Programa Marco. SES6-CT2003-503532)
Name principal investigator (PI, Co-PI....): Jean Marie Tarascon
Funding entity or bodies:
Union Europea
Start-End date: 01/01/2006 - 31/12/2008
Total amount: 5.000.000 €
- 6** **Name of the project:** Materiales electroactivos para baterías de ion-litio obtenidos por nanodispersión in situ o ex situ (MAT2005-00374)
Entity where project took place: Universidad de Córdoba
Name principal investigator (PI, Co-PI....): José Luis Tirado Coello
Start-End date: 01/01/2006 - 31/12/2008
Total amount: 228.480 €
- 7** **Name of the project:** Desarrollo de nuevos materiales electrónicos para su uso en baterías de ion-litio e ion-sodio
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): PEDRO JAVIER LAVELA CABELLO
Nº of researchers: 3
Name of the programme: PROYECTOS DE INVESTIGACIÓN DE EXCELENCIA DE LA JUNTA DE ANDALUCÍA
Code according to the funding entity: FQM-6017
Start date: 25/02/2011 **Duration:** 1095 days
- 8** **Name of the project:** Nanomaterials for Li-ion Batteries based on architected electrode designs
Degree of contribution: Researcher
Nº of researchers: 2
Name of the programme: Ramón y Cajal
Code according to the funding entity: RYC-2010-05596
Start date: 01/12/2010 **Duration:** 1825 days
- 9** **Name of the project:** EQUIPO MULTIDISCIPLINAR PARA SENSORES ELECTROQUÍMICOS Y MATERIAL NANOESTRUCTURADO
Geographical area: Regional
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): JOSE MIGUEL RODRIGUEZ MELLADO
Nº of researchers: 4
Name of the programme: INCENTIVOS PARA LA MEJORA DE INFRAESTRUCTURAS, EQUIPAMIENTO Y FUNCIONAMIENTO, JUNTA DE ANDALUCÍA
Code according to the funding entity: 26135
Start date: 11/02/2010 **Duration:** 1460 days
Total amount: 246.917 €
- 10** **Name of the project:** OXISALES PARA LOS ELECTRODOS DE INSERCIÓN/CONVERSIÓN DE BATERÍAS AVANZADAS DE IÓN LITIO E IÓN SODIO
Geographical area: National
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 8



Name of the programme: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA

Code according to the funding entity: MAT2008-05880/MAT

Start date: 01/01/2009

Duration: 1094 days

Total amount: 249.260 €

11 Name of the project: PREPARACIÓN DE NANOMATERIALES PARA LAS BATERÍAS DE IÓN LITIO MEDIANTE EL USO DE MICELAS INVERSAS

Geographical area: Regional

Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO

Nº of researchers: 7

Name of the programme: PROYECTOS DE EXCELENCIA, JUNTA DE ANDALUCÍA

Code according to the funding entity: P06-FQM-01447

Start date: 01/05/2007

Duration: 1095 days

Total amount: 217.999,88 €

12 Name of the project: QUIMICA Y ELECTROQUIMICA DE MATERIALES INORGANICOS

Geographical area: Regional

Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO

Nº of researchers: 1

Name of the programme: PLAN PROPIO, UNIVERSIDAD DE CÓRDOBA

Code according to the funding entity: XII P.Propio Mod.1 FQM-288

Start date: 01/01/2007

Duration: 364 days

Total amount: 13.481,76 €

13 Name of the project: SURFACE AND BULK ANALYSIS OF NANO AND MICRO SIZED MATERIALS FOR ELECTRODES IN LI-ION BATTERIES

Geographical area: National

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): PEDRO JAVIER LAVELA CABELLO

Nº of researchers: 5

Name of the programme: PROGRAMA DE COOPERACIÓN INTERNACIONAL (ACCIONES INTEGRADAS), MINISTERIO DE EDUCACIÓN Y CIENCIA

Code according to the funding entity: HF2006-0141

Start date: 01/01/2007

Duration: 730 days

Total amount: 11.050 €

14 Name of the project: CARACTERIZACIÓN ELECTROQUÍMICA DE MATERIALES DE CARBONO PARA BATERIAS DE ION-LI

Geographical area: National

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): PEDRO JAVIER LAVELA CABELLO

Nº of researchers: 4

Name of the programme: PROYECTOS DE ESTÍMULO A LA TRANSFERENCIA RESULTADOS DE INVESTIGACIÓN (PETRI), MINISTERIO DE EDUCACIÓN Y CIENCIA

Code according to the funding entity: PET2005_0670_01

Start date: 19/12/2006

Duration: 730 days

Total amount: 52.562 €



- 15** **Name of the project:** QUÍMICA Y ELECTROQUÍMICA DE MATERIALES INORGÁNICOS
Geographical area: Regional
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 1
Name of the programme: PLAN PROPIO, UNIVERSIDAD DE CÓRDOBA
Code according to the funding entity: FQM-288
Start date: 22/03/2006 **Duration:** 365 days
Total amount: 13.544,31 €
- 16** **Name of the project:** QUÍMICA Y ELECTROQUÍMICA DE MATERIALES INORGÁNICOS
Geographical area: Regional
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 1
Name of the programme: OTROS PROGRAMAS, JUNTA DE ANDALUCÍA
Code according to the funding entity: FQM-288
Start date: 01/01/2006 **Duration:** 1460 days
Total amount: 10.841,19 €
- 17** **Name of the project:** MATERIALES ELECTROACTIVOS PARA BATERÍAS DE IÓN-LITIO OBTENIDOS POR NANODISPERSIÓN IN SITU O EX SITU
Geographical area: National
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 7
Name of the programme: OTROS PROGRAMAS, MINISTERIO DE EDUCACIÓN Y CIENCIA
Code according to the funding entity: MAT2005-00374
Start date: 31/12/2005 **Duration:** 1096 days
Total amount: 228.480 €
- 18** **Name of the project:** ADVANCED LITHIUM ENERGY STORAGE SYSTEM BASED ON THE USE OF NANO-POWDERS AND NANO-COMPOSITES ELECTRODES/ELECTROLYTES
Geographical area: European Union
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 8
Name of the programme: IV PROGRAMA MARCO DE LA UNIÓN EUROPEA, COMISIÓN EUROPEA
Code according to the funding entity: SES6-CT2003-503532
Start date: 01/01/2004
Total amount: 144.424 €
- 19** **Name of the project:** ESPECTRÓMETRO MÖSSBAUER
Geographical area: National
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 3
Name of the programme: FONDO EUROPEO DE DESARROLLO REGIONAL (FEDER), COMISIÓN EUROPEA
Code according to the funding entity: UNCO-E001
Start date: 01/01/2003 **Duration:** 731 days
Total amount: 62.084,55 €
- 20** **Name of the project:** THIN-FILM POSITIVE ELECTRODES FOR LITHIUM-ION BATTERIES
Geographical area: Non EU International
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO



Nº of researchers: 4

Name of the programme: PROGRAMA DE COOPERACIÓN INTERNACIONAL (ACCIONES INTEGRADAS), MINISTERIO DE EDUCACIÓN Y CIENCIA

Code according to the funding entity: HA2002-0051

Start date: 01/01/2003

Total amount: 10.400 €

- 21** **Name of the project:** MATERIALES INORGÁNICOS PARA BATERÍAS DE IONES LITIO Y SODIO DE ALTO RENDIMIENTO
Geographical area: National
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 7
Name of the programme: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA
Code according to the funding entity: MAT2002-00434
Start date: 01/12/2002 **Duration:** 1095 days
Total amount: 133.980 €
- 22** **Name of the project:** MATERIALES PARA UNA NUEVA GENERACIÓN DE ACUMULADORES DE ION-LITIO
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 6
Name of the programme: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA
Code according to the funding entity: MAT2000-2721-CE
Start date: 01/01/2001 **Duration:** 1094 days
Total amount: 21.997,04 €
- 23** **Name of the project:** NEGELIA
Geographical area: European Union
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 6
Name of the programme: IV PROGRAMA MARCO DE LA UNIÓN EUROPEA, COMISIÓN EUROPEA
Code according to the funding entity: ENK6-CT2000-00082
Start date: 01/11/2000 **Duration:** 1094 days
Total amount: 258.019 €
- 24** **Name of the project:** TIN BASED ANODIC MATERIALS FOR NEW LITHIUM-ION BATTERIES
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 3
Name of the programme: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA
Code according to the funding entity: SAB1999-0128
Start date: 01/06/2000 **Duration:** 363 days
Total amount: 27.045,54 €
- 25** **Name of the project:** BATERÍAS AVANZADAS
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 2
Name of the programme: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA
Code according to the funding entity: TXT99-1567



Start date: 29/02/2000
Total amount: 817,38 €

Duration: 365 days

- 26** **Name of the project:** NUEVOS MATERIALES PARA ELECTRODOS NEGATIVOS DE BATERIAS AVANZADAS TIPO ION-LITIO
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 5
Name of the programme: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA
Code according to the funding entity: MAT1999-0741
Start date: 01/01/2000 **Duration:** 1095 days
Total amount: 66.640,22 €
- 27** **Name of the project:** SKUTTERUDITAS: NUEVOS MATERIALES ANÓDICOS PARA BATERÍAS ION-LITIO
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 5
Name of the programme: PROGRAMA DE COOPERACIÓN INTERNACIONAL (ACCIONES INTEGRADAS), MINISTERIO DE EDUCACIÓN Y CIENCIA
Code according to the funding entity: HF99-0002
Start date: 01/01/2000 **Duration:** 730 days
Total amount: 7.753,06 €
- 28** **Name of the project:** TIN BASED ANODIC MATERIALS FOR NEW LITHIUM-ION BATTERIES
Geographical area: European Union
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 2
Name of the programme: IV PROGRAMA MARCO DE LA UNIÓN EUROPEA, COMISIÓN EUROPEA
Code according to the funding entity: ERBFMBI-CT98-3020
Start date: 01/07/1998 **Duration:** 364 days
Total amount: 47.292 €
- 29** **Name of the project:** MATERIALES ANÓDICOS PARA BATERÍAS DE LITIO BASADOS EN EL ESTAÑO
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 4
Name of the programme: OTROS PROGRAMAS, OTROS ORGANISMOS
Code according to the funding entity: 0
Start date: 01/06/1998 **Duration:** 365 days
Total amount: 4.507,59 €
- 30** **Name of the project:** ACCIÓN INTEGRADA HISPANO-FRANCESA HF97-30
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 3
Name of the programme: PROGRAMA DE COOPERACIÓN INTERNACIONAL (ACCIONES INTEGRADAS), MINISTERIO DE EDUCACIÓN Y CIENCIA
Code according to the funding entity: HF1997-0030
Start date: 01/01/1998 **Duration:** 364 days
Total amount: 3.606,07 €



- 31** **Name of the project:** BATERIAS AVANZADAS
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 2
Name of the programme: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA
Code according to the funding entity: TXT96-2489
Start date: 21/04/1997 **Duration:** 365 days
Total amount: 1.202,02 €
- 32** **Name of the project:** MATERIALES INORGÁNICOS PARA BATERÍAS AVANZADAS DE LITIO
Geographical area: National
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): JULIAN MORALES PALOMINO
Nº of researchers: 6
Name of the programme: OTROS PROGRAMAS, MINISTERIO DE EDUCACIÓN Y CIENCIA
Code according to the funding entity: PB95-0561
Start date: 09/11/1996 **Duration:** 1095 days
Total amount: 36.060,73 €
- 33** **Name of the project:** STRUCTURAL VARIETIES OF LITHIUM TRANSITION METAL OXIDES AS ELECTRODE MATERIALS IN ADVANCED BATTERIES
Geographical area: European Union
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 5
Name of the programme: OTROS PROGRAMAS, OTROS ORGANISMOS
Code according to the funding entity: ERB-CIPD-C
Start date: 01/01/1995 **Duration:** 700 days
Total amount: 50.000 €
- 34** **Name of the project:** MATERIALS FOR HIGH PERFORMANCE ROCKING-CHAIR BATTERIES
Geographical area: European Union
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 8
Name of the programme: III PROGRAMA MARCO DE LA UNIÓN EUROPEA, COMISIÓN EUROPEA
Code according to the funding entity: JOU2-CT93-0326
Start date: 01/01/1994 **Duration:** 729 days
Total amount: 100.000 €
- 35** **Name of the project:** QUÍMICA DE INTERCALACIÓN DE ESPECIES DONADORAS DE ELECTRONES EN OXIDOS Y CALCOGENUROS CON ESTRUCTURAS DE DIFERENTE DIMENSIONALIDAD
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): JULIAN MORALES PALOMINO
Nº of researchers: 6
Name of the programme: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA
Code according to the funding entity: MAT93-1204
Start date: 07/06/1993 **Duration:** 1096 days
Total amount: 97.964,97 €



36 **Name of the project:** ACCIÓN INTEGRADA HISPANO-ITALIANA 13A
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): CRISTOBALINA BARRIGA CARRASCO
Nº of researchers: 3
Name of the programme: OTROS PROGRAMAS, OTROS ORGANISMOS
Code according to the funding entity: 0
Start date: 01/01/1991 **Duration:** 730 days
Total amount: 1.502,53 €

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

1 **Name of the project:** Nuevos materiales fosfatos para los cátodos de baterías de metales alcalinos de alto rendimiento
Name principal investigator (PI, Co-PI....): Shahzada Ahmad; José Luis Tirado Coello
Funding entity or bodies:
ABENGOA RESEARCH **Type of entity:** Business
Start date: 01/09/2012 **Duration:** 3 years
Total amount: 115.000 €

2 **Name of the project:** ESTUDIO DE RESIDUO SÓLIDO EN CONDUCCION DE AGUA.
Geographical area: National
Name principal investigator (PI, Co-PI....): RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO
Nº of researchers: 2
Code according to the funding entity: 12008032
Start date: 13/03/2008 **Duration:** 30 days - 23 hours
Total amount: 696 €

3 **Name of the project:** ESTUDIO DE VGCF EN BATERÍAS DE LITIO
Geographical area: National
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 4
Funding entity or bodies:
Grupo Antolin-Irausa, S.A. **Type of entity:** Business
City funding entity: Burgos, Castile and León, Spain
Code according to the funding entity: CONTRATO ANTOLIN-UCO
Start date: 01/01/2003
Total amount: 6.380 €

4 **Name of the project:** MATERIALS FOR THE POSITIVE ELECTRODE OF LITHIUM-ION BATTERIES
Geographical area: Non EU International
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO
Nº of researchers: 3
Participating entity/entities: SAFT BATERIAS SL
Funding entity or bodies:
SAFT BATTERIES
Code according to the funding entity: CONTRATO SAFT-UCO



Start date: 01/01/2003

Total amount: 21.600 €

5 Name of the project: MATERIALES DE CARBONO COMO ÁNODOS PARA BATERÍAS IÓN-LITIO

Geographical area: National

Degree of contribution: Scientific coordinator

Name principal investigator (PI, Co-PI....): JOSE LUIS TIRADO COELLO

Nº of researchers: 4

Funding entity or bodies:

Instituto Nacional del Carbón

Type of entity: State agency

Code according to the funding entity: INCAR-UCO-02

Start date: 01/01/2002

Duration: 729 days

Total amount: 15.000 €

6 Name of the project: MATERIALES PARA UNA NUEVA GENERACIÓN DE ACUMULADORES IÓN-LITIO

Geographical area: National

Degree of contribution: Researcher

Nº of researchers: 1

Code according to the funding entity: MAT2000-2721-CE

Start date: 01/04/2001

Duration: 942 days - 1 hour

Total amount: 2.199.704 €

7 Name of the project: PREPARACIÓN Y PROPIEDADES DE COMPUESTOS DE INSERCIÓN (INTERCALACIÓN)/DESINSERCIÓN DE METALES ALCALINOS EN CALCOGENUROS DE ELEMENTOS METÁLICOS

Geographical area: National

Degree of contribution: Researcher

Nº of researchers: 3

Code according to the funding entity: CARGA CORDOBA

Start date: 01/01/1989

Duration: 1460 days

Total amount: 8.296.972 €

8 Name of the project: CARACTERIZACION ESTRUCTURAL Y PROPIEDADES CONDUCTORAS Y ELECTROQUÍMICAS DE COMPUESTOS DE INTERCALACIÓN E INSERCCIÓN DE CATIONES DE METALES ALCALINOS EN DIVERSOS ÓXIDOS DE METALES DE TRANSICIÓN

Geographical area: National

Degree of contribution: Researcher

Nº of researchers: 4

Code according to the funding entity: PB85-0480

Start date: 01/01/1987

Duration: 1095 days

Total amount: 2.373.998 €

9 Name of the project: DESARROLLO Y ESTUDIO DE NUEVAS FORMAS DE PREPARACIÓN DE LA FASE GAMMA- Fe_2O_3 (MAGHEMITA) Y CARACTERIZACIÓN DE SU TEXTURA, ESTRUCTURA, PROPIEDADES MAGNÉTICAS Y REACTIVIDAD

Geographical area: National

Degree of contribution: Researcher

Nº of researchers: 3

Code according to the funding entity: PR84_0982

Start date: 01/01/1985

Duration: 1460 days

Total amount: 4.775.041 €

- 10** **Name of the project:** ESTUDIO DE TRANSFORMACIONES DE FASE DE SÓLIDOS INORGÁNICOS MEDIANTE CALORIMETRÍA
Geographical area: National
Degree of contribution: Researcher
Nº of researchers: 3
Code according to the funding entity: 6008/81
Start date: 01/01/1982 **Duration:** 1460 days
Total amount: 4.195.064 €

Results

Industrial and intellectual property

- 1** **Title registered industrial property:** Alkali Ion Battery and Method for Producing the Same
Inventors/authors/obtainers: Daniel Cíntora Juárez; Shahzada Ahmad; Carlos Pérez Vicente; José Luis Tirado Coello; Samrana Kazim; Manuel Doblaré Castellano
Entity holder of rights: ABENGOA RESEARCH S.L.
Nº of application: WO 2015/082711 A1
Country of inscription: Spain, Andalusia
Date of register: 05/12/2014
Conferral date: 11/06/2015
- 2** **Title registered industrial property:** Batería de iones alcalinos y método para producir la misma
Inventors/authors/obtainers: Daniel Cíntora Juárez; Shahzada Ahmad; Carlos Pérez Vicente; José Luis Tirado Coello; Samrana Kazim; Manuel Doblaré Castellano
Entity holder of rights: ABENGOA RESEARCH S.L.
Nº of application: 201331793
Country of inscription: Spain
Date of register: 05/12/2013
Conferral date: 09/06/2015
- 3** **Title registered industrial property:** Composite negative material comprising a transition metal malonate
Inventors/authors/obtainers: José Luis Tirado Coello; Pedro Lavela Cabello; Carlos Pérez Vicente; Ricardo Alcántara Román; Bernardo León Mohedano; María José Aragón Algrá
Entity holder of rights: Universidad de Córdoba
Nº of application: WO2011/124644 A1
Country of inscription: United States of America
Date of register: 07/04/2011
Conferral date: 13/10/2011
- 4** **Title registered industrial property:** High voltage inorganic electrode for lithium batteries
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Lloris, Manuel; CARLOS PEREZ VICENTE; MARGARITA JARABA CABALLERO; MARÍA JOSÉ ARAGÓN ALGARRA; JOSE LUIS TIRADO COELLO; PEDRO JAVIER LAVELA CABELLO; RICARDO ALCÁNTARA ROMÁN
Nº of application: 60/410,824

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Rafael Klee; Maciej Wiatrowski; María J. Aragón; Pedro Lavela; Gregorio F. Ortiz; Ricardo Alcántara; José L. Tirado. Improved Surface Stability of $C+MxOy@Na_3V_2(PO_4)_3$ Prepared by Ultrasonic Method as Cathode for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*. 9 - 2, pp. 1471 - 1478. 2017. Available on-line at: <http://dx.doi.org/10.1021/acsami.6b12688>.

Type of production: Scientific paper **Format:** Journal
- 2** María José Aragón; Pedro Lavela; Gregorio F. Ortiz; Ricardo Alcántara; José Luis Tirado. Induced rate performance enhancement in off-stoichiometric $Na_{3+3x}V_2-x(PO_4)_3$ with potential applicability as cathode for sodium-ion batteries. *Chemistry – A European Journal*. pp. n/a - n/a. 2017. Available on-line at: <http://dx.doi.org/10.1002/chem.201700716>. ISSN 1521-3765

Type of production: Scientific paper **Format:** Journal
- 3** M.J. Aragón; J. Gutiérrez; R. Klee; P. Lavela; R. Alcántara; J.L. Tirado. On the effect of carbon content for achieving a high performing $Na_3V_2(PO_4)_3/C$ nanocomposite as cathode for sodium-ion batteries. *Journal of Electroanalytical Chemistry*. 784, pp. 47 - 54. 2017. Available on-line at: <http://www.sciencedirect.com/science/article/pii/S1572665716306919>. ISSN 1572-6657

Type of production: Scientific paper **Format:** Journal
- 4** Marta Cabello; Taras Chyrka; Rafael Klee; María J. Aragón; Xue Bai; Pedro Lavela; Gennadiy M. Vasylenko; Ricardo Alcántara; José L. Tirado; Gregorio F. Ortiz. Treasure Na-ion anode from trash coke by adept electrolyte selection. *Journal of Power Sources*. 347, pp. 127 - 135. 2017. Available on-line at: <http://www.sciencedirect.com/science/article/pii/S0378775317302392>. ISSN 0378-7753

Type of production: Scientific paper **Format:** Journal
- 5** Marta Cabello; Francisco Nacimiento; José R. González; Gregorio Ortiz; Ricardo Alcántara; Pedro Lavela; Carlos Pérez-Vicente; José L. Tirado. Advancing towards a veritable calcium-ion battery: $CaCo_2O_4$ positive electrode material. *Electrochemistry Communications*. 67, pp. 59 - 64. 2016. Available on-line at: <http://www.sciencedirect.com/science/article/pii/S1388248116300650>. ISSN 1388-2481

Type of production: Scientific paper **Format:** Journal
- 6** R. Klee; P. Lavela; M.J. Aragón; R. Alcántara; J.L. Tirado. Enhanced high-rate performance of manganese substituted $Na_3V_2(PO_4)_3/C$ as cathode for sodium-ion batteries. *Journal of Power Sources*. 313, pp. 73 - 80. 2016. Available on-line at: <http://www.sciencedirect.com/science/article/pii/S0378775316301732>. ISSN 0378-7753

Type of production: Scientific paper **Format:** Journal
- 7** G. F. Ortiz; M. C. Lopez; Y. Li; M. J. McDonald; M. Cabello; J. L. Tirado; Y. Yang. Enhancing the energy density of safer Li-ion batteries by combining high-voltage lithium cobalt fluorophosphate cathodes and nanostructured titania anodes. *Sci Rep*. 6, pp. 20656 - 20656. 2016. Available on-line at: <http://dx.doi.org/10.1038/srep20656>. ISSN 2045-2322

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

- 8** Gregorio F. Ortiz; Marta Cabello; María C. López; José L. Tirado; Matthew J. McDonald; Yong Yang. Exploring a Li-ion battery using surface modified titania nanotubes versus high voltage cathode nanowires. *Journal of Power Sources*. 303, pp. 194 - 202. 2016. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0378775315304912>>. ISSN 0378-7753
Type of production: Scientific paper **Format:** Journal
- 9** Rafael Klee; María José Aragón; Ricardo Alcántara; José L. Tirado; Pedro Lavela. High-Performance Na₃V₂(PO₄)₃/C Cathode for Sodium-Ion Batteries Prepared by a Ball-Milling-Assisted Method. *European Journal of Inorganic Chemistry*. 2016 - 19, pp. 3212 - 3218. 2016. Available on-line at: <<http://dx.doi.org/10.1002/ejic.201600241>>. ISSN 1099-0682
Type of production: Scientific paper **Format:** Journal
- 10** Attila Gören; Daniel Cíntora-Juárez; Pedro Martins; Stanislav Ferdov; Maria Manuela Silva; José Luís Tirado; Carlos M. Costa; Senentxu Lanceros-Méndez. Influence of Solvent Evaporation Rate in the Preparation of Carbon-Coated Lithium Iron Phosphate Cathode Films on Battery Performance. *Energy Technology*. 4 - 5, pp. 573 - 582. Wiley Online Library, 2016. Available on-line at: <<http://dx.doi.org/10.1002/ente.201500392>>. ISSN 2194-4296
Type of production: Scientific paper **Format:** Journal
- 11** Carlos Macías; Gloria Rasines; Pedro Lavela; María C. Zafra; José L. Tirado; Conchi O. Ania. Mn-Containing N-Doped Monolithic Carbon Aerogels with Enhanced Macroporosity as Electrodes for Capacitive Deionization. *ACS Sustainable Chemistry & Engineering*. 4 - 5, pp. 2487 - 2494. 2016. Available on-line at: <<http://dx.doi.org/10.1021/acssuschemeng.5b01444>>. **Type of production:** Scientific paper **Format:** Journal
- 12** Rafael Klee; María José Aragón; Pedro Lavela; Ricardo Alcántara; José Luis Tirado. Na₃V₂(PO₄)₃/C Nanorods with Improved Electrode-Electrolyte Interface As Cathode Material for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*. 8 - 35, pp. 23151 - 23159. 2016. Available on-line at: <<http://dx.doi.org/10.1021/acsami.6b07950>>. **Type of production:** Scientific paper **Format:** Journal
- 13** Marta Cabello; Francisco Nacimiento; Ricardo Alcántara; Pedro Lavela; Gregorio Ortiz; José Luis Tirado. Nanobelts of Beta-Sodium Vanadate as Electrode for Magnesium and Dual Magnesium-Sodium Batteries. *Journal of The Electrochemical Society*. 163 - 13, pp. A2781 - A2790. 2016. Available on-line at: <<http://jes.ecsdl.org/content/163/13/A2781.abstract>>. **Type of production:** Scientific paper **Format:** Journal
- 14** C. Macías; P. Lavela; G. Rasines; M.C. Zafra; J.L. Tirado; C.O. Ania. On the correlation between the porous structure and the electrochemical response of powdered and monolithic carbon aerogels as electrodes for capacitive deionization. *Journal of Solid State Chemistry*. 242, Part 1, pp. 21 - 28. 2016. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0022459616302468>>. ISSN 0022-4596
Type of production: Scientific paper **Format:** Journal
- 15** C. Macías; G. Rasines; T.E. García; C. Rodríguez; P. Lavela; J.L. Tirado; C.O. Ania. On the use of diatomite as antishrinkage additive in the preparation of monolithic carbon aerogels. *Carbon*. 98, pp. 280 - 284. 2016. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0008622315304267>>. ISSN 0008-6223
Type of production: Scientific paper **Format:** Journal
- 16** J. R. Gonzalez; F. Nacimiento; M. Cabello; R. Alcántara; P. Lavela; J. L. Tirado. Reversible intercalation of aluminium into vanadium pentoxide xerogel for aqueous rechargeable batteries. *RSC Adv.* 6, pp. 62157 - 62164. The Royal Society of Chemistry, 2016. Available on-line at: <<http://dx.doi.org/10.1039/C6RA11030D>>. **Type of production:** Scientific paper **Format:** Journal

- 17** Carlos Macias; Gloria Rasines; Tomas E. García; María C. Zafra; Pedro Lavela; José L. Tirado; Conchi O. Ania. Synthesis of Porous and Mechanically Compliant Carbon Aerogels Using Conductive and Structural Additives. Gels. 2 - 1, pp. 4 - 4. 2016. Available on-line at: <<http://www.mdpi.com/2310-2861/2/1/4>>. ISSN 2310-2861
Type of production: Scientific paper **Format:** Journal
- 18** Jijeesh R. Nair; Daniel Cíntora-Juárez; Carlos Pérez-Vicente; José L. Tirado; Shahzada Ahmad; Claudio Gerbaldi. Truly quasi-solid-state lithium cells utilizing carbonate free polymer electrolytes on engineered LiFePO₄. Electrochimica Acta. 199, pp. 172 - 179. 2016. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0013468616307277>>. ISSN 0013-4686
Type of production: Scientific paper **Format:** Journal
- 19** Jose R. Gonzalez; Ekaterina Zhecheva; Radostina Stoyanova; Diana Nihtianova; Pavel Markov; Regis Ravelle Chapuis; Ricardo Alcantara; Francisco Nacimiento; Jose L. Tirado; Gregorio F. Ortiz. A fractal-like electrode based on double-wall nanotubes of anatase exhibiting improved electrochemical behaviour in both lithium and sodium batteries. Phys. Chem. Chem. Phys. 17, pp. 4687 - 4695. The Royal Society of Chemistry, 2015. Available on-line at: <<http://dx.doi.org/10.1039/C4CP04572F>>.
Type of production: Scientific paper **Format:** Journal
- 20** Maria J. Aragon; Pedro Lavela; Gregorio F. Ortiz; Jose L. Tirado. Benefits of Chromium Substitution in Na₃V₂(PO₄)₃ as a Potential Candidate for Sodium-Ion Batteries. Chemelectrochem. 2 - 7, pp. 995 - 1002. 2015. Available on-line at: <<http://dx.doi.org/10.1002/celec.201500052>>.
Type of production: Scientific paper **Format:** Journal
- 21** M. J. Aragón; P. Lavela; G. F. Ortiz; J. L. Tirado. Effect of Iron Substitution in the Electrochemical Performance of Na₃V₂(PO₄)₃ as Cathode for Na-Ion Batteries. Journal of The Electrochemical Society. 162 - 2, pp. A3077 - A3083. 2015. Available on-line at: <<http://jes.ecsdl.org/content/162/2/A3077.abstract>>.
Type of production: Scientific paper **Format:** Journal
- 22** M.J. Aragón; P. Lavela; R. Alcántara; J.L. Tirado. Effect of aluminum doping on carbon loaded Na₃V₂(PO₄)₃ as cathode material for sodium-ion batteries. Electrochimica Acta. 180, pp. 824 - 830. 2015. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0013468615304564>>. ISSN 0013-4686
Type of production: Scientific paper **Format:** Journal
- 23** A. Gören; C.M. Costa; M.N. Tamaño Machiavello; D. Cíntora-Juárez; J. Nunes-Pereira; J.L. Tirado; M.M. Silva; J.L. Gomez Ribelles; S. Lanceros-Méndez. Effect of the degree of porosity on the performance of poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blend membranes for lithium-ion battery separators. Solid State Ionics. 280, pp. 1 - 9. 2015. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0167273815003008>>. ISSN 0167-2738
Type of production: Scientific paper **Format:** Journal
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Type of production: Scientific paper **Format:** Journal
- 330** L HERNAN; J MORALES; JL TIRADO. RELATIONSHIPS BETWEEN COMPOSITION AND SURFACE-PROPERTIES OF THE DEHYDRATION PRODUCTS OF SYNTHETIC MANGANITE. *Surface & Coatings Technology*. 27 - 4, pp. 343 - 350. 1986.
Type of production: Scientific paper **Format:** Journal
- 331** L. Hernan; J. Morales; J. L. Tirado. TEXTURE, CRYSTALLINITY, AND CATALYTIC PROPERTIES OF CO₃O₄ OBTAINED BY THERMAL AND MECHANICAL TREATMENTS. *Journal of Colloid and Interface Science*. 110 - 1, pp. 172 - 180. 1986.
Type of production: Scientific paper **Format:** Journal
- 332** JMJ MATEOS; J MORALES; JL TIRADO. X-RAY-LINE BROADENING IN HEMATITE DERIVED FROM DELTA-FeOOH BY THERMAL AND MECHANICAL PROCEDURES. *Journal of Materials Science Letters*. 5 - 12, pp. 1295 - 1297. 1986.
Type of production: Scientific paper **Format:** Journal
- 333** J MORALES; JL TIRADO. A PROCEDURE FOR THE ANALYSIS OF GAS-ADSORPTION MEASUREMENTS. *Computers & Chemistry*. 9 - 1, pp. 7 - 9. 1985.
Type of production: Scientific paper **Format:** Journal
- 334** C BARRIGA; J MORALES; JL TIRADO. CHANGES IN CRYSTALLINITY AND THERMAL EFFECTS IN GROUND VATERITE. *Journal of Materials Science*. 20 - 3, pp. 941 - 946. 1985.
Type of production: Scientific paper **Format:** Journal
- 335** L HERNAN; J MORALES; JL TIRADO. CRYSTALLITE SIZE AND MICROSTRAINS OF CO₃O₄ DERIVED FROM COOOH AND CO(OH)₂. *Journal of Solid State Chemistry*. 59 - 3, pp. 388 - 392. 1985.
Type of production: Scientific paper **Format:** Journal
- 336** C BARRIGA; J MORALES; JL TIRADO. EFFECT OF GRINDING ON THE KINETICS OF THE TRANSFORMATION VATERITE-CALCITE. *Thermochimica Acta*. 92 - SEP, pp. 211 - 214. 1985.
Type of production: Scientific paper **Format:** Journal
- 337** J MORALES; JL TIRADO; M MACIAS; A ORTEGA. INFLUENCE OF CRYSTALLINITY ON THE KINETICS OF THE LITHARGE-MASSICOT PHASE-TRANSITION. *Reactivity of Solids*. 1 - 1, pp. 43 - 55. 1985.
Type of production: Scientific paper **Format:** Journal
- 338** C BARRIGA; L HERNAN; J MORALES; JL TIRADO. KINETICS OF THE RECOVERY OF CRYSTALLINITY IN GROUND DOLOMITE. *Materials Chemistry and Physics*. 13 - 5, pp. 477 - 482. 1985.
Type of production: Scientific paper **Format:** Journal
- 339** R GOMEZVILLACIEROS; L HERNAN; J MORALES; A ORTEGA; JL TIRADO. LIMITATIONS IN THE FORMAL KINETIC-ANALYSIS OF ISOTHERMAL AND THERMOGRAVIMETRIC DATA. *Thermochimica Acta*. 85 - APR, pp. 283 - 286. 1985.
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- 340** JMF RODRIGUEZ; J MORALES; JL TIRADO. TEXTURE AND MICROSTRUCTURE OF NIO DERIVED FROM $\text{Ni}(\text{OH})_2$ IN VACUUM. Surface Technology. 26 - 3, pp. 261 - 268. 1985.
Type of production: Scientific paper **Format:** Journal
- 341** MD MERONO; J MORALES; JL TIRADO. THERMAL-BEHAVIOR OF SYNTHETIC AKAGANEITE UNDER DIFFERENT EXPERIMENTAL CONDITIONS. Thermochimica Acta. 92 - SEP, pp. 525 - 528. 1985.
Type of production: Scientific paper **Format:** Journal
- 342** J MORALES; JL TIRADO; M MACIAS. CHANGES IN CRYSTALLITE SIZE AND MICROSTRAINS OF HEMATITE DERIVED FROM THE THERMAL-DECOMPOSITION OF SYNTHETIC AKAGANEITE. Journal of Solid State Chemistry. 53 - 3, pp. 303 - 312. 1984.
Type of production: Scientific paper **Format:** Journal
- 343** RG VILLACIEROS; L HERNAN; J MORALES; JL TIRADO. IRON-MANGANESE OXIDE CATALYST FOR FISCHER-TROPSCH SYNTHESIS .1. STRUCTURAL AND TEXTURAL CHANGES BY CALCINATION, REDUCTION AND SYNTHESIS - COMMENTS. Applied Catalysis. 9 - 1, pp. 133 - 135. 1984.
Type of production: Scientific paper **Format:** Journal
- 344** L. Hernan; J. Morales; A. Ortega; J. L. Tirado. KINETIC-STUDY OF THE THERMAL-DECOMPOSITION OF COBALT(III) OXYHYDROXIDE .1. ISOTHERMAL KINETIC DATA. Journal of Thermal Analysis. 29 - 3, pp. 479 - 489. 1984.
Type of production: Scientific paper **Format:** Journal
- 345** L HERNAN; J MORALES; A ORTEGA; JL TIRADO. KINETIC-STUDY OF THE THERMAL-DECOMPOSITION OF COBALT(III) OXYHYDROXIDE .2. THERMOGRAVIMETRIC, TEXTURAL AND STRUCTURAL DATA. Journal of Thermal Analysis. 29 - 3, pp. 491 - 501. 1984.
Type of production: Scientific paper **Format:** Journal
- 346** R. Gomezvillacieros; J. Morales; J. L. Tirado. MECHANICAL DEHYDRATION OF GAMMA-FE(OH)3 BY WET GRINDING PROCEDURES. Journal of the Chemical Society-Chemical Communications. 8, pp. 559 - 560. 1984.
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- 347** R GOMEZVILLACIEROS; L HERNAN; J MORALES; JL TIRADO. TEXTURAL EVOLUTION OF SYNTHETIC GAMMA-FE(OH)3 DURING THERMAL-TREATMENT BY DIFFERENTIAL SCANNING CALORIMETRY. Journal of Colloid and Interface Science. 101 - 2, pp. 392 - 400. 1984.
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- 348** J MORALES; JL TIRADO. THERMAL EFFECTS INDUCED BY GRINDING IN DOLOMITE. Materials Chemistry and Physics. 10 - 3, pp. 225 - 235. 1984.
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- 349** Hernán-, Lourdes; Martínez-, G.; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. EFECTOS MECANOQUÍMICOS PRODUCIDOS POR LA MOLIENDA DE LA DOLOMITA. Boletín de la Sociedad Española de Cerámica y Vidrio. 22, pp. 149 - 156. 1983.
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- 350** Gomez-Villacieros, Rosario; Hernán-, Lourdes; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. ESTUDIO DE LA DESCOMPOSICIÓN TÉRMICA DE MANGANITA Y LEPIDOCROCITA MEDIANTE CALORIMETRÍA DIFERENCIAL DE BARRIDO. Boletín de la Sociedad Española de Mineralogía. 7, pp. 169 - 176. 1983.
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- 351** Rafael Cabanás Pareja; José Luis Tirado Coello; Guillermo Paneque Guerrero. GENESIS DE PIZARRA S ARCILLOSAS EN EL DEVÓNICO DE HINOJOSA DEL DUQUE (CORDOBA). Boletín de la Sociedad Española de Cerámica y Vidrio. 21 - 3, pp. 185 - 187. Sociedad Española de Cerámica y Vidrio, 1982.
Type of production: Scientific paper **Format:** Journal
- 352** NICOLÁS BELLINFANTE CROCCI; JOSE LUIS TIRADO COELLO; GUILLERMO PANEQUE GUERRERO. PROPIEDADES TÉCNICAS DE LAS ARCILLAS DE UN YACIMIENTO DE HINOJOSA DEL DUQUE (CÓRDOBA). Boletín de la Sociedad Española de Cerámica y Vidrio. pp. 123 - 126. 1982.
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Type of production: Scientific paper **Format:** Journal
- 354** Gregorio Ortiz Jiménez; Pedro Lavela Cabello; Ricardo Alcántara Román. Recent Advances in Multidimensional Electrode Nanoarchitecturing for Lithium-Ion and Sodium-Ion Batteries. Electrochemical Nanofabrication Principles and Applications Second Edition. pp. 365 - 416. Pan Stanford, 2016. ISBN 978-981-4613-86-6
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 355** Pedro Lavela Cabello; Ricardo Alcántara Román; Carlos Pérez Vicente; José L. Tirado Coello. Applications of Mossbauer spectroscopy in the study of lithium battery materials. Mossbauer Spectroscopy: Applications in Chemistry, Biology, and Nanotechnology,. pp. 552 - 563. Wiley, 2013. ISBN 978-1-118-71461-4
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 356** Gregorio Ortiz; Ricardo Alcántara; Pedro Lavela; José L. Tirado. Nanoscale Tin Heterostructures for Improved Energy Storage in Lithium Batteries. pp. 1 - 22. 2013. Available on-line at: <<http://pubs.acs.org/doi/abs/10.1021/bk-2013-1140.ch001>>.
Type of production: Book chapter **Format:** Book
- 357** Gregorio Ortiz Jiménez; Pedro Lavela Cabello; José L. Tirado Coello; Ilie Hanzu; Thierry Djenizian; Philippe Knauth. Nanostructured TiO₂ Materials for New-Generation Li-Ion Batteries. Electrochemical Nanofabrication: Principles and Applications. pp. 171 - 221. Pan Stanford, 2012. ISBN 978-981-4303-73-6
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Corresponding author: Yes
- 358** Alcántara Ricardo; Lavela Pedro; Pérez-Vicente Carlos; L. Tirado José. Anode Materials for Lithium-Ion Batteries. Lithium-Ion Batteries: Advanced Materials and Technologies. pp. 97 - 146. CRC Press, 2011. Available on-line at: <<http://dx.doi.org/10.1201/b11292-4>>. ISBN 978-1-4398-4128-0
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 359** Ricardo Alcántara Román; Pedro Lavela Cabello; Carlos Pérez Vicente; José L. Tirado Coello. Nanostructured Electrodes for Lithium Ion Batteries. Solid State Electrochemistry II. pp. 383 - 413. Wiley, 2011. ISBN 978-3-527-63556-6
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 360** RICARDO ALCÁNTARA ROMÁN; FRANCISCO JAVIER FERNANDEZ MADRIGAL; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Jiménez-mateos, Juan Miguel; Gómez-de Salazar, Carlos; Stoyanova, Radostina; Zecheva, Ekaterina. Carbon-based negative electrodes of lithium-ion batteries obtained from residua

of the petroleum industry. New trends in Intercalation Compounds for Energy Storage.61, pp. 101 - 108. 2002. Available on-line at: <http://link.springer.com/chapter/10.1007/978-94-010-0389-6_8>.

Type of production: Book chapter

Format: Book

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

- 361** RICARDO ALCÁNTARA ROMÁN; FRANCISCO JAVIER FERNANDEZ MADRIGAL; PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. In situ preparation of composite electrodes: antimony alloys and compounds. New trends in Intercalation Compounds for Energy Storage.61, pp. 193 - 200. 2002. Available on-line at: <http://link.springer.com/chapter/10.1007/978-94-010-0389-6_13>.

Type of production: Book chapter

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

- 362** RICARDO ALCÁNTARA ROMÁN; FRANCISCO JAVIER FERNANDEZ MADRIGAL; PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. On the use of in situ generated tin-based composite materials in lithium ion cells. New trends in Intercalation Compounds for Energy Storage.61, pp. 201 - 208. 2002. Available on-line at: <http://link.springer.com/chapter/10.1007/978-94-010-0389-6_14>.

Type of production: Book chapter

Format: Book

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

- 363** Zecheva, Ekaterina; Stoyanova, Radostina; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. Short-range Co/Mn ordering and electrochemical intercalation of Li into $\text{Li}[\text{Mn}_2\text{yCo}_y]\text{O}_4$ spinels $0 < y < 1$. New trends in Intercalation Compounds for Energy Storage.61, pp. 475 - 482. 2002. Available on-line at: <http://link.springer.com/chapter/10.1007%2F978-94-010-0389-6_33#>.

Type of production: Book chapter

Format: Book

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

- 364** RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Stoyanova-,R; Gorova-,M; Kuzmanova-,E.; Zhecheva-,E. CATHODE MATERIALS FOR LITHIUM ION CELLS PREPARED FROM CITRATE PRECURSORS. BATTERIES FOR PORTABLE APPLICATIONS AND ELECTRIC VEHICLES. pp. 109 - 115. 1997.

Type of production: Book chapter

Format: Book

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

- 365** JOSE LUIS TIRADO COELLO; PEDRO JAVIER LAVELA CABELLO. BATERÍAS AVANZADAS. UNIVERSIDAD DE HUELVA PUBLICACIONES, 1999. ISBN 847801506X

Type of production: Scientific book or monograph

Degree of contribution: Author or co-author of entire book

Works submitted to national or international conferences

- 1** **Title of the work:** Tin anode for Mg-ion batteries versus manganese spinel oxides

Name of the conference: 1st International Symposium on Magnesium Batteries

Corresponding author: Yes

City of event: Blaubeuren, Ulm, Germany

Date of event: 21/07/2016

End date: 22/07/2016

Organising entity: Helmholtz-Institute

City organizing entity: Ulm, Germany

José Luis Tirado Coello. "Tin anode for Mg-ion batteries versus manganese spinel oxides".



- 2** **Title of the work:** On the use of carbon materials derived from side products of the petroleum industry in Na-ion batteries
Name of the conference: International Congress on Green Chemistry and Sustainable Engineering
Corresponding author: No
City of event: Roma, Italy
Date of event: 20/07/2016
End date: 22/07/2016
Organising entity: ScienceKNOW Conferences C.B.
Gregorio Ortiz Jiménez; José Luis Tirado Coello. "On the use of carbon materials derived from side products of the petroleum industry in Na-ion batteries".
- 3** **Title of the work:** Desintercalación reversible de calcio en la cobaltita de calcio con estructura laminar y aplicación en baterías post-litio
Name of the conference: 11ª REUNIÓN CIENTÍFICA PLENARIA DE QUÍMICA DEL ESTADO SÓLIDO
Corresponding author: No
City of event: Torremolinos, Andalusia, Spain
Date of event: 19/06/2016
End date: 22/06/2016
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad
Ricardo Alcántara Román; Pedro Lavela Cabello; José Luis Tirado Coello. "Desintercalación reversible de calcio en la cobaltita de calcio con estructura laminar y aplicación en baterías post-litio".
- 4** **Title of the work:** Efecto del recubrimiento con óxidos metálicos sobre Na₃V₂(PO₄)₃/C con aplicación como cátodos en baterías de ión-sodio
Name of the conference: 11ª REUNIÓN CIENTÍFICA PLENARIA DE QUÍMICA DEL ESTADO SÓLIDO
Corresponding author: No
City of event: Torremolinos, Andalusia, Spain
Date of event: 19/06/2016
End date: 22/06/2016
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad
Pedro Lavela Cabello. "Efecto del recubrimiento con óxidos metálicos sobre Na₃V₂(PO₄)₃/C con aplicación como cátodos en baterías de ión-sodio".
- 5** **Title of the work:** Estrategias eficaces para mejorar el rendimiento del Na₃V₂(PO₄)₃ como cátodos en baterías de ión-sodio.
Name of the conference: 11ª REUNIÓN CIENTÍFICA PLENARIA DE QUÍMICA DEL ESTADO SÓLIDO
Corresponding author: No
City of event: Torremolinos, Andalusia, Spain
Date of event: 19/06/2016
End date: 22/06/2016
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad
Pedro Lavela Cabello. "Estrategias eficaces para mejorar el rendimiento del Na₃V₂(PO₄)₃ como cátodos en baterías de ión-sodio".
- 6** **Title of the work:** Judicious design of lithium iron phosphate electrodes with poly(3,4 ethylenedioxythiophene): Polystyrene sulfonate for high performance battery
Name of the conference: 8th International Conference on Advanced Lithium Batteries for Automobile Applications
City of event: Bilbao, Spain



Date of event: 30/09/2015
End date: 02/10/2015
Organising entity: CIC ENERGIGUNE
Daniel Cíntora Juárez; José Luis Tirado Coello.

- 7** **Title of the work:** Electrochemical response of doped ultrahigh micro/mesoporous carbon aerogel electrodes in saline water
Name of the conference: Carbon 2015—Innovation with carbon materials
City of event: Dresde, Germany
Date of event: 12/07/2015
End date: 17/07/2015
Organising entity: German Carbon Society
Conchi Ania; José Luis Tirado Coello.
- 8** **Title of the work:** Comparative view of ions-storage in nanostructured TiO₂ materials in both non-aqueous and aqueous electrolyte solutions
Name of the conference: 7th Lithium Battery Discussions
City of event: Arcachon, France
Date of event: 21/06/2015
End date: 26/06/2015
Organising entity: Université de Bordeaux
- 9** **Title of the work:** On the electrochemical behavior of chromium doped Na₃V₂(PO₄)₃/C nanocomposites as cathode material for Na-ion batteries
Name of the conference: 7th Lithium Battery Discussions
City of event: Arcachon, France
Date of event: 21/06/2015
End date: 26/06/2015
Organising entity: Université de Bordeaux
- 10** **Title of the work:** Graphene-based transition metal oxide nanocomposites for the anode of Li-ion batteries.
Name of the conference: 10th Annual International Electromaterials Science Symposium
Corresponding author: Yes
City of event: Wollongong, Australia
Date of event: 11/02/2015
End date: 13/02/2015
Organising entity: University of Wollongong
José Luis Tirado Coello.
- 11** **Title of the work:** a new route to prepare graphene/iron oxide composite electrode for batteries
Name of the conference: 10th Annual International Electromaterials Science Symposium
Corresponding author: Yes
City of event: Wollongong, Australia
Date of event: 11/02/2015
End date: 13/02/2015
Organising entity: University of Wollongong
José Ramón González; José Luis Tirado Coello.
- 12** **Title of the work:** Effect of Iron Substitution in the Electrochemical Performance of Na₃V₂(PO₄)₃ As Cathode Material for Na-Ion Batteries
Name of the conference: 17th International Meeting on Lithium Batteries



Type of event: Conference

City of event: COMO (ITALY),

Date of event: 2014

PEDRO JAVIER LAVELA CABELLO; MARÍA JOSÉ ARAGÓN ALGARRA; JOSE LUIS TIRADO COELLO.

- 13 Title of the work:** Improving the Electrochemistry of Anatase for Sodium Ion Batteries By Using Self-Organized TiO₂ Nanotubes Prepared By Anodization Under Variable Voltage

Name of the conference: 17th International Meeting on Lithium Batteries

Type of event: Conference

City of event: COMO (ITALIA),

Date of event: 2014

José Ramón González Jiménez; RICARDO ALCÁNTARA ROMÁN; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; FRANCISCO JOSÉ NACIMIENTO COBOS; JOSE LUIS TIRADO COELLO.

- 14 Title of the work:** Investigation of Li_{3-x}NaxPO₄ Solid Electrolytes for Alkali-Ion Batteries: Lithium Diffusion in Nalipoite Li₂NaPO₄

Name of the conference: Materials Research Society Meeting Boston 2014

Type of event: Conference

City of event: BOSTON - MASSACHUSETTS; ESTADOS UNIDOS DE AMERICA,

Date of event: 2014

María del Carmen López Luna; Arroyo, Elena; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO.

- 15 Title of the work:** Microbaterías tipo mecedora de fosfato de hierro y litio frente a óxido de titanio nanoestructurado con fosfato de litio

Name of the conference: 16a Reunión Plenaria de Química Inorgánica. 10a de Estado Sólido

Type of event: Conference

Date of event: 2014

María del Carmen López Luna; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; José Ramón González Jiménez; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO.

- 16 Title of the work:** Nanostructured transition metal oxides prepared at moderate temperatures as Li- and Na-ion battery materials

Name of the conference: Materials Challenges in Alternative & Renewable Energy 2014 Conference

Type of event: Conference

City of event: Clearwater, Florida, USA,

Date of event: 2014

María del Carmen López Luna; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO.

- 17 Title of the work:** Improved Lithium-ion transport in NASICON-type lithium titanium phosphate by calcium and iron doping

Name of the conference: Solid State Ionics 19

Type of event: Conference

City of event: KYOTO (JAPÓN),

Date of event: 2013

GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; María del Carmen López Luna; PEDRO JAVIER LAVELA CABELLO; CANDELA VIDAL-ABARCA GARRIDO; JOSE LUIS TIRADO COELLO.

- 18 Title of the work:** Improved cycling performance of nanoarchitected thin film conversion electrodes.

Name of the conference: 6th Lithium Battery Discussion Electrode Materials.

Type of event: Conference



City of event: Arcachón, Francia,

Date of event: 2013

López, María Carmen; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO.

- 19 Title of the work:** Improving the electrochemical performance in sodium batteries of titanium phosphate based electrodes by lithium substitution.

Name of the conference: 1st symposium on Na Batteries

Type of event: Conference

Date of event: 2013

MARÍA JOSÉ ARAGÓN ALGARRA; CANDELA VIDAL-ABARCA GARRIDO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO.

- 20 Title of the work:** Influence of compositional modification of NASICON $\text{Ca}_{0.5-x}\text{Mg}_x\text{Ti}_2(\text{PO}_4)_3$ ($0.0 \leq x \leq 0.5$) on the electrochemical performance for their use as electrodes for lithium batteries.

Name of the conference: 6th Lithium Battery Discussion Electrode Materials.

Type of event: Conference

Date of event: 2013

CANDELA VIDAL-ABARCA GARRIDO; MARÍA JOSÉ ARAGÓN ALGARRA; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO.

- 21 Title of the work:** Recent advances in the use of self-organized titania nanotubes as electrode materials in lithium-ion batteries

Name of the conference: INTERNATIONAL BATTERY ASSOCIATION MEETING 2013

Type of event: Conference

City of event: . BARCELONA, ESPAÑA,

Date of event: 2013

RICARDO ALCÁNTARA ROMÁN; José Ramón González Jiménez; PEDRO JAVIER LAVELA CABELLO; FRANCISCO JOSÉ NACIMIENTO COBOS; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO.

- 22 Title of the work:** Aplicación de fosfatos $\text{Li}_{1+x}\text{Ti}_2\text{Fex}(\text{PO}_4)_3$ ($0 \leq x \leq 0.4$) con estructura NASICON como electrodos para baterías de litio

Name of the conference: reunión QIES12, 15ª Reunión Bienal del Grupo Especializado de Química Inorgánica y 9ª Reunión Bienal del Grupo Especializado de Química del Estado Sólido de la RSEQ,

Type of event: Conference

City of event: Girona,

Date of event: 2012

CANDELA VIDAL-ABARCA GARRIDO; Piylahan, Nareerat; MARÍA JOSÉ ARAGÓN ALGARRA; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO.

- 23 Title of the work:** In search of improved conversion reaction-based electrodes: the case of oxidized FeCoNi alloys

Name of the conference: reunión QIES12, 15ª Reunión Bienal del Grupo Especializado de Química Inorgánica y 9ª Reunión Bienal del Grupo Especializado de Química del Estado Sólido de la RSEQ,

Type of event: Conference

City of event: Girona,

Date of event: 2012

GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; María del Carmen López Luna; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO.



- 24** **Title of the work:** Intermetallic Compounds and Composites Prepared by Ultrasonic Sonochemistry for the Anodes of Lithium-Ion Batteries
Name of the conference: 16th INTERNATIONAL MEETING ON LITHIUM BATTERIES
Type of event: Conference
City of event: JEJU, KOREA,
Date of event: 2012
José Ramón González Jiménez; RICARDO ALCÁNTARA ROMÁN; FRANCISCO JOSÉ NACIMIENTO COBOS; JOSE LUIS TIRADO COELLO.
- 25** **Title of the work:** Nanostructured materials for advanced batteries prepared by electrochemical procedures
Name of the conference: 243rd ACS National Meeting
Type of event: Conference
City of event: San Diego, California, EE. UU.,
Date of event: 2012
JOSE LUIS TIRADO COELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; RICARDO ALCÁNTARA ROMÁN.
- 26** **Title of the work:** New preparation routes of nanostructured compounds for negative electrodes of lithium ion batteries: Sonochemistry, polyol, anodization and electrodeposition methods
Name of the conference: reunión QIES12, 15ª Reunión Bienal del Grupo Especializado de Química Inorgánica y 9ª Reunión Bienal del Grupo Especializado de Química del Estado Sólido de la RSEQ,
Type of event: Conference
City of event: Girona,
Date of event: 2012
José Ramón González Jiménez; RICARDO ALCÁNTARA ROMÁN; FRANCISCO JOSÉ NACIMIENTO COBOS; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO.
- 27** **Title of the work:** Some aspects for improving performances in conversion reaction electrodes for Li-ion battery
Name of the conference: The 1st International Forum on Progress and Trends in Battery and Capacitor Technologies
Type of event: Conference
City of event: ALAVA, VITORIA, ESPAÑA,
Date of event: 2012
GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO.
- 28** **Title of the work:** Towards an All-Solid-State Battery: Preparation of Conversion Anodes by Electrodeposition-Oxidation Processes
Name of the conference: 16th INTERNATIONAL MEETING ON LITHIUM BATTERIES
Type of event: Conference
City of event: Jeju, Korea,
Date of event: 2012
GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; María del Carmen López Luna; JOSE LUIS TIRADO COELLO.
- 29** **Title of the work:** 1D vertical Sn and SnO nanowires supported on titania nanotube layer as a novel Li-ion micro-battery electrode
Name of the conference: E-MRS 2011 Spring Meeting
Type of event: Conference
City of event: NIZA (FRANCIA),
Date of event: 2011

GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; Djenizian, Thierry; Knauth, Philippe; Hanzu, Ilie; JOSE LUIS TIRADO COELLO. "1D vertical Sn and SnO nanowires supported on titania nanotube layer as a novel Li-ion micro-battery electrode". En: E-MRS 2011 Spring Meeting. pp. 75.

30 Title of the work: Fe_{1-x}CoxSn₂ nanoparticles obtained by tetraethylene glycol method

Name of the conference: E-MRS 2011 Spring Meeting

Type of event: Conference

City of event: NIZA (FRANCIA),

Date of event: 2011

UCHE GODSWILL NWOKEKE; Chadwick, Alan V; FRANCISCO JOSÉ NACIMIENTO COBOS; RICARDO ALCÁNTARA ROMÁN; Alfredsson, Maria; JOSE LUIS TIRADO COELLO. "Fe_{1-x}CoxSn₂ nanoparticles obtained by tetraethylene glycol method". En: E-MRS 2011 Spring Meeting. U9, pp. 73.

31 Title of the work: Hybrid organic/inorganic nanomaterials containing intermetallics and polyacrylonitrile as negative electrode for lithium ion batteries

Name of the conference: E-MRS 2011 Spring Meeting

Type of event: Conference

City of event: NIZA (FRANCIA),

Date of event: 2011

FRANCISCO JOSÉ NACIMIENTO COBOS; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO; UCHE GODSWILL NWOKEKE. "Hybrid organic/inorganic nanomaterials containing intermetallics and polyacrylonitrile as negative electrode for lithium ion batteries". En: E-MRS 2011 Spring Meeting. U14, pp. Pth 21.

32 Title of the work: Nano-architected thin films based on Fe₂O₃ wires and TiO₂ tubes as alternative negative electrodes for Li-ion batteries.

Name of the conference: MPATECH NANOTECH CONFERENCE

Type of event: Conference

City of event: ALVOR, PORTUGAL,

Date of event: 2011

GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO; PEDRO JAVIER LAVELA CABELLO. "Nano-architected thin films based on Fe₂O₃ wires and TiO₂ tubes as alternative negative electrodes for Li-ion batteries.". En: MPATECH NANOTECH CONFERENCE. pp. mpa-182.

33 Title of the work: New mixed transition metal oxysalts as negative electrode materials for lithium-ion batteries

Name of the conference: SSI-18

Type of event: Conference

City of event: VARSOVIA, POLONIA,

Date of event: 2011

BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "New mixed transition metal oxysalts as negative electrode materials for lithium-ion batteries". En: SSI-18. pp. 331 - 331.

34 Title of the work: Recent advances in nanocrystalline intermetallic tin compounds for the negative electrode of lithium ion batteries

Name of the conference: SPIE

Type of event: Conference

City of event: ORLANDO, USA,

Date of event: 2011

JOSE LUIS TIRADO COELLO; RICARDO ALCÁNTARA ROMÁN; UCHE GODSWILL NWOKEKE; FRANCISCO JOSÉ NACIMIENTO COBOS; PEDRO JAVIER LAVELA CABELLO. "Recent advances in

nanocrystalline intermetallic tin compounds for the negative electrode of lithium ion batteries". En: SPIE 2011. pp. 260.

- 35** **Title of the work:** Unfolding the role of iron in Li-ion conversion electrode materials by ^{57}Fe Mössbauer spectroscopy
Name of the conference: ICAME 2011
Type of event: Conference
Date of event: 2011
JOSE LUIS TIRADO COELLO; PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; BERNARDO LEÓN MOHEDANO; CANDELA VIDAL-ABARCA GARRIDO.
- 36** **Title of the work:** A ^{57}Fe MOSSBAUER SPECTROSCOPY STUDY OF COBALT FERRITE CONVERSION ELECTRODES FOR LI-ION BATTERIES
Name of the conference: 15TH INTERNATIONAL MEETING ON LITHIUM BATTERIES () (.2010.MONTREAL, CANADA)
Type of event: Conference
Geographical area: Non EU International
City of event: MONTREAL, CANADA,
Date of event: 2010
CANDELA VIDAL-ABARCA GARRIDO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "A ^{57}Fe MOSSBAUER SPECTROSCOPY STUDY OF COBALT FERRITE CONVERSION ELECTRODES FOR LI-ION BATTERIES". En: IMLB 2010. pp. 431 - 431.
- 37** **Title of the work:** A NEW FORM OF MANGANESE CARBONATE FOR THE NEGATIVE ELECTRODE OF LI-ION BATTERIES
Name of the conference: 15TH INTERNATIONAL MEETING ON LITHIUM BATTERIES () (.2010.MONTREAL, CANADA)
Type of event: Conference
Geographical area: Non EU International
City of event: MONTREAL, CANADA,
Date of event: 2010
MARÍA JOSÉ ARAGÓN ALGARRA; BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "A NEW FORM OF MANGANESE CARBONATE FOR THE NEGATIVE ELECTRODE OF LI-ION BATTERIES". En: IMLB 2010. pp. 238 - 238.
- 38** **Title of the work:** APPLICATIONS OF THE MÖSSBAUER EFFECT IN THE STUDY OF INORGANIC MATERIALS FOR LI-ION BATTERIES
Name of the conference: 239th American Chemical Society, National Meeting & Exposition. Chemistry for a Sustainable World
Type of event: Conference
Geographical area: Non EU International
City of event: SAN FRANCISCO, United States,
Date of event: 2010
JOSE LUIS TIRADO COELLO; PEDRO JAVIER LAVELA CABELLO; RICARDO ALCÁNTARA ROMÁN; CARLOS PEREZ VICENTE; BERNARDO LEÓN MOHEDANO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ. "APPLICATIONS OF THE MÖSSBAUER EFFECT IN THE STUDY OF INORGANIC MATERIALS FOR LI-ION BATTERIES". En: 239TH AMERICAN CHEMICAL SOCIETY NATIONAL MEETING. pp. 1066 - 1066.
- 39** **Title of the work:** COMPUESTOS INTERMETÁLICOS NANODISPERSOS: NUEVOS MATERIALES DE ELECTRODO
Name of the conference: NANOU.CO. II ENCUENTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA (2) (2.2010.CÓRDOBA)
Type of event: Conference
Geographical area: Regional
Date of event: 2010

RICARDO ALCÁNTARA ROMÁN; FRANCISCO JOSÉ NACIMIENTO COBOS; UCHE GODSWILL NWOKEKE; JOSE LUIS TIRADO COELLO. "COMPUESTOS INTERMETÁLICOS NANODISPERSOS: NUEVOS MATERIALES DE ELECTRODO". En: NANOUCO. II ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA. pp. 8 - 9.

- 40 Title of the work:** ELECTRON PARAMAGNETIC RESONANCE SPECTROSCOPY: EX-SITU METHOD FOR ANALYSIS OF LOCAL STRUCTURE OF TRANSITION METAL IONS IN LAYERED CATHODES

Name of the conference: 61TH MEETING OF THE INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY () (.2010.NIZA, FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: NIZA, FRANCIA,

Date of event: 2010

Stoyanova-, Radostina; Zecheva-,Ekaterina; Shinova-,E; Yoncheva-,M.; RICARDO ALCÁNTARA ROMÁN; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "ELECTRON PARAMAGNETIC RESONANCE SPECTROSCOPY: EX-SITU METHOD FOR ANALYSIS OF LOCAL STRUCTURE OF TRANSITION METAL IONS IN LAYERED CATHODES". En: ISE 2010. pp. 1 - 1.

- 41 Title of the work:** NANOTUBOS DE TIO₂ AUTO-ORGANIZADOS COMO MATERIAL DE ELECTRODO PARA MICROBATERÍAS DE IÓN LITIO

Name of the conference: NANOUCO. II ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA (2) (2.2010.CÓRDOBA)

Type of event: Conference

Geographical area: Regional

Date of event: 2010

GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Hanzu-,Ilie; Djenizian-,Thierry; Knauth-,Philippe. "NANOTUBOS DE TIO₂ AUTO-ORGANIZADOS COMO MATERIAL DE ELECTRODO PARA MICROBATERÍAS DE IÓN LITIO". En: NANOUCO. II ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA. pp. 16 - 17.

- 42 Title of the work:** OXALATOS MIXTOS DE METALES DE TRANSICIÓN Y CAPACIDADES NO-FARADAICAS PARA ELECTRODOS NEGATIVOS EN BATERÍAS DE IÓN-LITIO

Name of the conference: NANOUCO. II ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA (2) (2.2010.CÓRDOBA)

Type of event: Conference

Geographical area: Regional

Date of event: 2010

Serrano-,Thelma; MARÍA JOSÉ ARAGÓN ALGARRA; BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "OXALATOS MIXTOS DE METALES DE TRANSICIÓN Y CAPACIDADES NO-FARADAICAS PARA ELECTRODOS NEGATIVOS EN BATERÍAS DE IÓN-LITIO". En: NANOUCO. II ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA. pp. 19 - 20.

- 43 Title of the work:** SELF-ORGANIZED TIO₂ NANOTUBES AS MATERIALS FOR A NEW GENERATION OF LI-ION MICRO-BATTERIES

Name of the conference: SOLID STATE CHEMISTRY 2010 () (.2010.PRAGA, REPÚBLICA CHECA)

Type of event: Conference

Geographical area: Non EU International

City of event: PRAGA, REPÚBLICA CHECA,

Date of event: 2010

PEDRO JAVIER LAVELA CABELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO; Hanzu-,Ilie; Djenizian-,Thierry; Knauth-,Philippe. "SELF-ORGANIZED TIO₂ NANOTUBES AS MATERIALS FOR A NEW GENERATION OF LI-ION MICRO-BATTERIES". En: SSC 2010. pp. 193 - 193.

- 44** **Title of the work:** THE ELECTROCHEMICAL BEHAVIOUR OF LOW-TEMPERATURE SYNTHESISED FESN₂ NANOPARTICLES AS ANODE MATERIALS FOR LI-ION BATTERIES
Name of the conference: 15TH INTERNATIONAL MEETING ON LITHIUM BATTERIES ()
(.2010.MONTREAL, CANADA)
Type of event: Conference **Geographical area:** Non EU International
City of event: MONTREAL, CANADA,
Date of event: 2010
UCHE GODSWILL NWOKEKE; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO; Stoyanova-, Radostina; Zecheva-,Ekaterina. "THE ELECTROCHEMICAL BEHAVIOUR OF LOW-TEMPERATURE SYNTHESISED FESN₂ NANOPARTICLES AS ANODE MATERIALS FOR LI-ION BATTERIES". En: IMLB 2010. pp. 237 - 237.
- 45** **Title of the work:** UNDERSTANDING ELECTROCHEMICAL REACTIONS OF INORGANIC SOLIDS WITH LITHIUM BY USING X-RAY ABSORPTION AND MÖSSBAUER SPECTROSCOPIES
Name of the conference: STRUCTURE AND DYNAMICS IN THE SOLID STATE ()
(.2010.CANTERBYURY, RU)
Type of event: Conference **Geographical area:** Non EU International
City of event: CANTERBYURY, RU,
Date of event: 2010
JOSE LUIS TIRADO COELLO. "UNDERSTANDING ELECTROCHEMICAL REACTIONS OF INORGANIC SOLIDS WITH LITHIUM BY USING X-RAY ABSORPTION AND MÖSSBAUER SPECTROSCOPIES". En: STRUCTURE AND DYNAMICS IN THE SOLID STATE. pp. 2 - 2.
- 46** **Title of the work:** USO DE MICELAS INVERSAS EN LA SÍNTESIS DE NANOPARTÍCULAS ELECTROACTIVAS EN CELDAS DE ION LITIO
Name of the conference: NANOUCO. II ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA (2) (2.2010.CÓRDOBA)
Type of event: Conference **Geographical area:** Regional
Date of event: 2010
CANDELA VIDAL-ABARCA GARRIDO; MARÍA JOSÉ ARAGÓN ALGARRA; BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "USO DE MICELAS INVERSAS EN LA SÍNTESIS DE NANOPARTÍCULAS ELECTROACTIVAS EN CELDAS DE ION LITIO". En: NANOUCO. II ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA. pp. 5 - 6.
- 47** **Title of the work:** 119SN MÖSSBAUER SPECTROSCOPY STUDIES OF NEW COMPOSITE ELECTRODES FOR LITHIUM ION BATTERIES
Name of the conference: INTERNATIONAL CONFERENCE ON APPLICATIONS OF MÖSSBAUER EFFECT () (.2009.VIENA-AUSTRIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: VIENA-AUSTRIA,
Date of event: 2009
RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; FRANCISCO JOSÉ NACIMIENTO COBOS; JOSE LUIS TIRADO COELLO. "119SN MÖSSBAUER SPECTROSCOPY STUDIES OF NEW COMPOSITE ELECTRODES FOR LITHIUM ION BATTERIES". En: ICAME 2009. pp. 126 - 126.
- 48** **Title of the work:** 57FE MÖSSBAUER STUDY OF THE ELECTROCHEMICAL REVERSIBLE CONVERSION REACTION ON NIFE₂O₄ ELECTRODES FOR LITHIUM BATTERIES.
Name of the conference: INTERNATIONAL CONFERENCE ON APPLICATIONS OF MÖSSBAUER EFFECT () (.2009.VIENA-AUSTRIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: VIENA-AUSTRIA,

Date of event: 2009

PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; RICARDO ALCÁNTARA ROMÁN; Jumas-, Jean Claude; Womes-, Manfred. "57FE MÖSSBAUER STUDY OF THE ELECTROCHEMICAL REVERSIBLE CONVERSION REACTION ON NIFE₂O₄ ELECTRODES FOR LITHIUM BATTERIES.". En: ICAME 2009. pp. 125 - 125.

49 Title of the work: ALTERNATIVE ELECTRODE BASED OF TIN OXIDE FILM ONTO A TITANIA MATRIX FOR LI-ION MICROBATTERIES

Name of the conference: C'NANO PACA () (.2009.ILE DE PORQUEROLLES)

Type of event: Conference

Geographical area: Non EU International

City of event: ILE DE PORQUEROLLES,

Date of event: 2009

GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; Djenizian-, Thierry; Hanzu-, Ilie; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Knauth-, Philippe. "ALTERNATIVE ELECTRODE BASED OF TIN OXIDE FILM ONTO A TITANIA MATRIX FOR LI-ION MICROBATTERIES". En: JOURNEES SCIENTIFIQUES DU C'NANO PACA 2EME EDITION. pp. 23 - 24.

50 Title of the work: APPLICATION OF TRANSITIONMETAL OXALATE NANORIBBONS IN LITHIUM ION BATTERIES.

Name of the conference: CONGRESO INTERNACIONAL DE QUÍMICA INDUSTRIAL () (.2009.MONTERREY, MEXICO)

Type of event: Conference

Geographical area: Non EU International

City of event: MONTERREY, MEXICO,

Date of event: 2009

Serrano-, Thelma; MARÍA JOSÉ ARAGÓN ALGARRA; BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "APPLICATION OF TRANSITIONMETAL OXALATE NANORIBBONS IN LITHIUM ION BATTERIES.". En: CONGRESO INTERNACIONAL DE QUÍMICA INDUSTRIAL 2009. pp. 20 - 25.

51 Title of the work: COKE-DERIVED SN-TM-C (TM: FE, NI, CO) COMPOSITES AS ANODES FOR LI-ION BATTERIES

Name of the conference: LIBD 2009 () (.2009.ARCACHON, FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: ARCACHON, FRANCIA,

Date of event: 2009

FRANCISCO JOSÉ NACIMIENTO COBOS; PEDRO JAVIER LAVELA CABELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO; Barreda-, D.; Santamaría-, Ricardo; Jiménez-Mateos, J. M. "COKE-DERIVED SN-TM-C (TM: FE, NI, CO) COMPOSITES AS ANODES FOR LI-ION BATTERIES". En: LIBD 2009. pp. 42 - 43.

52 Title of the work: ELECTRON PARAMAGNETIC RESONANCE SPECTROSCOPY: IS IT RELIABLE TO RELATE THE LOCAL CATIONIC DISTRIBUTION AND ELECTROCHEMICAL PROPERTIES?

Name of the conference: LIBD 2009 () (.2009.ARCACHON, FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: ARCACHON, FRANCIA,

Date of event: 2009

Stoyanova-, Radostina; Zhecheva-, Ekaterina; Yoncheva-, M.; Shinova-, E; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO. "ELECTRON PARAMAGNETIC RESONANCE SPECTROSCOPY: IS IT RELIABLE TO RELATE THE LOCAL CATIONIC DISTRIBUTION AND ELECTROCHEMICAL PROPERTIES?". En: LIBD 2009. pp. 51 - 52.

- 53** **Title of the work:** NEW PREPARATION METHODS OF COMPOSITE ELECTRODES CONTAINING TIN, COBALT AND CARBON ATOMS FOR LITHIUM ION BATTERIES
Name of the conference: ICMAT 2009 () (.2009.SINGAPORE)
Type of event: Conference **Geographical area:** Non EU International
City of event: SINGAPORE,
Date of event: 2009
RICARDO ALCÁNTARA ROMÁN; FRANCISCO JOSÉ NACIMIENTO COBOS; UCHE GODSWILL NWOKEKE; INÉS RODRÍGUEZ SÁNCHEZ; JOSE LUIS TIRADO COELLO. "NEW PREPARATION METHODS OF COMPOSITE ELECTRODES CONTAINING TIN, COBALT AND CARBON ATOMS FOR LITHIUM ION BATTERIES". En: ICMAT 2009. pp. 17 - 17.
- 54** **Title of the work:** ON THE USE OF THE REVERSE MICELLES SYNTHESIS OF NANOMATERIALS FOR LITHIUM-ION BATTERIES
Name of the conference: ICMAT 2009 () (.2009.SINGAPORE)
Type of event: Conference **Geographical area:** Non EU International
City of event: SINGAPORE,
Date of event: 2009
MARÍA JOSÉ ARAGÓN ALGARRA; PEDRO JAVIER LAVELA CABELLO; BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO; CANDELA VIDAL-ABARCA GARRIDO. "ON THE USE OF THE REVERSE MICELLES SYNTHESIS OF NANOMATERIALS FOR LITHIUM-ION BATTERIES". En: ICMAT 2009. pp. 17 - 17.
- 55** **Title of the work:** PETROLEUM DERIVED CARBON-METAL COMPOSITES FOR LI-ION BATTERY
Name of the conference: COST Chemistry D36 3rd Workshop and 5th Management Committee meeting
Type of event: Conference **Geographical area:** Non EU International
City of event: (Benahavis) SPAIN,
Date of event: 2009
FRANCISCO JOSÉ NACIMIENTO COBOS; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Jimenez-Mateos, Juan Miguel; Barreda-, D.; Santamaría-, Ricardo. "PETROLEUM DERIVED CARBON-METAL COMPOSITES FOR LI-ION BATTERY". En: CARBONS FOR ENERGY STORAGE AND ENVIRONMENT PROTECTION 2009 CONFERENCE. CESEP'09. pp. 149 - 149.
- 56** **Title of the work:** TRANSITION METAL OXALATES WITH COMBINED CONVERSION AND NON-FARADAIC CAPACITIES FOR THE NEGATIVE ELECTRODE OF LITHIUM-ION BATTERIES
Name of the conference: LIBD 2009 () (.2009.ARCACHON, FRANCIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: ARCACHON, FRANCIA,
Date of event: 2009
MARÍA JOSÉ ARAGÓN ALGARRA; BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO; Serrano-, Thelma. "TRANSITION METAL OXALATES WITH COMBINED CONVERSION AND NON-FARADAIC CAPACITIES FOR THE NEGATIVE ELECTRODE OF LITHIUM-ION BATTERIES". En: LIBD 2009. pp. 77 - 78.
- 57** **Title of the work:** EFFECT OF THE PRECURSORS ON THE STRUCTURE, LOCAL CATIONIC DISTRIBUTION AND ELECTROCHEMISTRY OF LINI₁/2MN₁/2O₂ ELECTRODES
Name of the conference: 59TH ANNUAL MEETING OF THE INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY (59) (59.2008.SEVILLA)
Type of event: Conference **Geographical area:** Non EU International
Date of event: 2008
Yoncheva-, M.; Stoyanova-, Radostina; Zhecheva-, Ekaterina; RICARDO ALCÁNTARA ROMÁN; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "EFFECT OF THE PRECURSORS ON THE STRUCTURE, LOCAL CATIONIC DISTRIBUTION AND ELECTROCHEMISTRY

OF LINO1/2MNO1/2O2 ELECTRODES". En: 59TH MEETING OF THE INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY. pp. 2 - 2.

- 58** **Title of the work:** EFFECT OF THE SYNTHESIS TEMPERATURE ON THE KINETIC RESPONSE OF LICO1/3NO1/3MNO1/3O2 ELECTRODES FOR LITHIUM ION BATTERIES
Name of the conference: 14TH INTERNATIONAL MEETING ON LITHIUM BATTERIES () (.2008.TIANJIN, CHINA)
Type of event: Conference **Geographical area:** Non EU International
City of event: TIANJIN, CHINA,
Date of event: 2008
Shinova-,E; Stoyanova-, Radostina; Zhecheva-, Ekaterina; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "EFFECT OF THE SYNTHESIS TEMPERATURE ON THE KINETIC RESPONSE OF LICO1/3NO1/3MNO1/3O2 ELECTRODES FOR LITHIUM ION BATTERIES". En: 14TH INTERNATIONAL MEETING ON LITHIUM BATTERIES. pp. 297 - 297.
- 59** **Title of the work:** EFFECTS OF HETEROATOMS AND NANO SIZE ON TIN-BASED ELECTRODES
Name of the conference: 14TH INTERNATIONAL MEETING ON LITHIUM BATTERIES () (.2008.TIANJIN, CHINA)
Type of event: Conference **Geographical area:** Non EU International
City of event: TIANJIN, CHINA,
Date of event: 2008
RICARDO ALCÁNTARA ROMÁN; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; INÉS RODRÍGUEZ SÁNCHEZ; JOSE LUIS TIRADO COELLO. "EFFECTS OF HETEROATOMS AND NANO SIZE ON TIN-BASED ELECTRODES". En: 14TH INTERNATIONAL MEETING ON LITHIUM BATTERIES. pp. 164 - 164.
- 60** **Title of the work:** ON THE USE OF TRANSITION METAL OXYSALTS AS CONVERSION ELECTRODES IN LITHIUM-ION BATTERIES
Name of the conference: 14TH INTERNATIONAL MEETING ON LITHIUM BATTERIES () (.2008.TIANJIN, CHINA)
Type of event: Conference **Geographical area:** Non EU International
City of event: TIANJIN, CHINA,
Date of event: 2008
MARÍA JOSÉ ARAGÓN ALGARRA; BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "ON THE USE OF TRANSITION METAL OXYSALTS AS CONVERSION ELECTRODES IN LITHIUM-ION BATTERIES". En: 14TH INTERNATIONAL MEETING ON LITHIUM BATTERIES. pp. 134 - 134.
- 61** **Title of the work:** PREPARACIÓN DE NANOCINTAS DE OXALATO DE HIERRO ANHIDRO Y ESTUDIO DE SU REACTIVIDAD ELECTROQUÍMICA CON EL LITIO
Name of the conference: I ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA () (.2008.CÓRDOBA (ESPAÑA))
Type of event: Conference **Geographical area:** Regional
City of event: CÓRDOBA (ESPAÑA),
Date of event: 2008
BERNARDO LEÓN MOHEDANO; MARÍA JOSÉ ARAGÓN ALGARRA; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "PREPARACIÓN DE NANOCINTAS DE OXALATO DE HIERRO ANHIDRO Y ESTUDIO DE SU REACTIVIDAD ELECTROQUÍMICA CON EL LITIO". En: I ENCUESTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UCO. pp. 02 - 02.

- 62** **Title of the work:** PREPARACIÓN Y ESTUDIO ELECTROQUÍMICO DE NANO-COSN₃ COMO UN NUEVO MATERIAL ACTIVO PARA BATERÍAS DE ION LITIO
Name of the conference: I ENCUENTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA () (.2008.CÓRDOBA (ESPAÑA))
Type of event: Conference **Geographical area:** Regional
City of event: CÓRDOBA (ESPAÑA),
Date of event: 2008
INÉS RODRÍGUEZ SÁNCHEZ; RICARDO ALCÁNTARA ROMÁN; UCHE GODSWILL NWOKEKE; JOSE LUIS TIRADO COELLO. "PREPARACIÓN Y ESTUDIO ELECTROQUÍMICO DE NANO-COSN₃ COMO UN NUEVO MATERIAL ACTIVO PARA BATERÍAS DE ION LITIO". En: I ENCUENTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UCO. pp. P-7 - P-7.
- 63** **Title of the work:** PREPARATION OF SELF-ORGANIZED TiO₂ NANOTUBES FOR LITHIUM SECONDARY ANODE MATERIAL
Name of the conference: 4^{ÉMES} JOURNÉES FRANCO-ITALIENNES DE CHIMIE () (.2008.NIZA, FRANCIA)
Type of event: Conference **Geographical area:** Others
City of event: NIZA, FRANCIA,
Date of event: 2008
GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; Hanzu-, Ilie; Djenizian-, Thierry; Knauth-, Philippe; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "PREPARATION OF SELF-ORGANIZED TiO₂ NANOTUBES FOR LITHIUM SECONDARY ANODE MATERIAL". En: 4^{ÉMES} JOURNÉES FRANCO-ITALIENNES DE CHIMIE. pp. 38 - 38.
- 64** **Title of the work:** SÍNTESIS DE NANOPARTÍCULAS DE ÓXIDOS DE METALES DE TRANSICIÓN MEDIANTE EL USO DE MICELAS INVERSAS PARA SU USO COMO MATERIAL DE ELECTRODO EN BATERÍAS DE IÓN LITIO
Name of the conference: I ENCUENTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UNIVERSIDAD DE CÓRDOBA () (.2008.CÓRDOBA (ESPAÑA))
Type of event: Conference **Geographical area:** Regional
City of event: CÓRDOBA (ESPAÑA),
Date of event: 2008
CANDELA VIDAL-ABARCA GARRIDO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "SÍNTESIS DE NANOPARTÍCULAS DE ÓXIDOS DE METALES DE TRANSICIÓN MEDIANTE EL USO DE MICELAS INVERSAS PARA SU USO COMO MATERIAL DE ELECTRODO EN BATERÍAS DE IÓN LITIO". En: I ENCUENTRO SOBRE NANOCIENCIA Y NANOTECNOLOGÍA DE INVESTIGADORES Y TECNÓLOGOS DE LA UCO. pp. P-6 - P-6.
- 65** **Title of the work:** TiO₂ NANOTUBES MANUFACTURED BY ANODIZATION OF Ti FILM ON Si AND Si-FREE SUBSTRATES FOR Li-ION BATTERIES
Name of the conference: 59TH ANNUAL MEETING OF THE INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY (59) (59.2008.SEVILLA)
Type of event: Conference **Geographical area:** Non EU International
Date of event: 2008
GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; Hanzu-, Ilie; Djenizian-, Thierry; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Knauth-, Philippe. "TiO₂ NANOTUBES MANUFACTURED BY ANODIZATION OF Ti FILM ON Si AND Si-FREE SUBSTRATES FOR Li-ION BATTERIES". En: 59TH MEETING OF THE INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY. pp. 1 - 1.

- 66** **Title of the work:** 119SN MÖSSBAUER SPECTROSCOPY: A POWERFUL TOOL TO UNFOLD THE REACTION MECHANISM IN ADVANCED ELECTRODES FOR LITHIUM-ION BATTERIES
Name of the conference: ICAME 2007 () (.2007.KANPUR, INDIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: KANPUR, INDIA,
Date of event: 2007
RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; INÉS RODRÍGUEZ SÁNCHEZ; JOSE LUIS TIRADO COELLO. "119SN MÖSSBAUER SPECTROSCOPY: A POWERFUL TOOL TO UNFOLD THE REACTION MECHANISM IN ADVANCED ELECTRODES FOR LITHIUM-ION BATTERIES". En: ICAME 2007. pp. T7-P-R33 - T7-P-R33.
- 67** **Title of the work:** A 57FE MÖSSBAUER SPECTROSCOPY STUDY OF IRON NANOPARTICLES OBTAINED IN SITU IN CONVERSION FERRITE ELECTRODES
Name of the conference: ICAME 2007 () (.2007.KANPUR, INDIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: KANPUR, INDIA,
Date of event: 2007
Jumas-, Jean Claude; Womes-, Manfred; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "A 57FE MÖSSBAUER SPECTROSCOPY STUDY OF IRON NANOPARTICLES OBTAINED IN SITU IN CONVERSION FERRITE ELECTRODES". En: ICAME 2007. pp. T1-O-R32 - T1-O-R32.
- 68** **Title of the work:** APPLICATION OF EPR SPECTROSCOPY FOR MICROSTRUCTURAL CHARACTERIZATION OF ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES AND SOFC₂S
Name of the conference: 3RD INTERNATIONAL CONFERENCE ON GREEN AND SUSTAINABLE CHEMISTRY GSC-3 () (.2007.DELFT. HOLANDA)
Type of event: Conference **Geographical area:** Non EU International
City of event: DELFT. HOLANDA,
Date of event: 2007
Stoyanova-, Radostina; Ivanova-, S; Zhecheva-, Ekaterina; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "APPLICATION OF EPR SPECTROSCOPY FOR MICROSTRUCTURAL CHARACTERIZATION OF ELECTRODE MATERIALS FOR LITHIUM ION BATTERIES AND SOFC₂S". En: 3RD INTERNATIONAL CONFERENCE ON GREEN AND SUSTAINABLE CHEMISTRY GSC-3. pp. 166 - 171.
- 69** **Title of the work:** EFFECT OF THE CATIONIC DISTRIBUTION ON THE ELECTROCHEMICAL PERFORMANCE OF LICO1/3NI1/3MN1/3O2 ELECTRODES FOR LITHIUM ION BATTERIES
Name of the conference: 8TH ADVANCED BATTERIES AND ACCUMULATORS (ABA) () (.2007.BRNO. REPÚBLICA CHECA)
Type of event: Conference **Geographical area:** Non EU International
City of event: BRNO. REPÚBLICA CHECA,
Date of event: 2007
Shinova-, E; Stoyanova-, Radostina; Zecheva-, Ekaterina; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "EFFECT OF THE CATIONIC DISTRIBUTION ON THE ELECTROCHEMICAL PERFORMANCE OF LICO1/3NI1/3MN1/3O2 ELECTRODES FOR LITHIUM ION BATTERIES". En: 8TH ADVANCED BATTERIES AND ACCUMULATORS (ABA). pp. 92 - 95.
- 70** **Title of the work:** ESTUDIO DE MATERIALES AVANZADOS PARA ELECTRODOS DE BATERÍAS DE IÓN LITIO MEDIANTE ESPECTROSCOPIA DE MÖSSBAUER DEL ESTAÑO-119
Name of the conference: XXXI Reunión Bienal de la Real Sociedad Española de Química
Type of event: Conference **Geographical area:** Non EU International
City of event: TOLEDO,

Date of event: 2007

INÉS RODRÍGUEZ SÁNCHEZ; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "ESTUDIO DE MATERIALES AVANZADOS PARA ELECTRODOS DE BATERÍAS DE IÓN LITIO MEDIANTE ESPECTROSCOPIA DE MÖSSBAUER DEL ESTAÑO-119". En: LIBRO DE RESUMENES DE LA XXXI REUNION BIENAL DE LA RSEQ. pp. G3-P8 - G3-P8.

- 71 Title of the work:** HIGH-PRESSURE MODIFICATIONS OF LITHIUM TRANSITION METAL OXIDES FOR ELECTRODE MATERIALS IN LITHIUM ION BATTERIES

Name of the conference: 3RD INTERNATIONAL CONFERENCE ON GREEN AND SUSTAINABLE CHEMISTRY GSC-3 () (.2007.DELFT. HOLANDA)

Type of event: Conference

Geographical area: Non EU International

City of event: DELFT. HOLANDA,

Date of event: 2007

Zecheva-,Ekaterina; Yoncheva-,M.; Shinova-,E; Stoyanova-, Radostina; RICARDO ALCÁNTARA ROMÁN; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "HIGH-PRESSURE MODIFICATIONS OF LITHIUM TRANSITION METAL OXIDES FOR ELECTRODE MATERIALS IN LITHIUM ION BATTERIES". En: 3RD INTERNATIONAL CONFERENCE ON GREEN AND SUSTAINABLE CHEMISTRY GSC-3. pp. 187 - 187.

- 72 Title of the work:** NUEVO MATERIAL DE ELECTRODO PARA BATERÍAS DE ION-LITIO OBTENIDO POR EL METODO DE MICELAS INVERSAS

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

Type of event: Conference

Geographical area: Non EU International

City of event: TOLEDO,

Date of event: 2007

MARÍA JOSÉ ARAGÓN ALGARRA; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "NUEVO MATERIAL DE ELECTRODO PARA BATERÍAS DE ION-LITIO OBTENIDO POR EL METODO DE MICELAS INVERSAS". En: LIBRO DE RESUMENES DE LA XXXI REUNION BIENAL DE LA RSEQ. pp. G3-P9 - G3-P9.

- 73 Title of the work:** STRUCTURAL CHARACTERIZATION AND INTERCALATION PROPERTIES OF LITHIUM-NICKEL-MANGANESE OXIDES OBTAINED UNDER HIGH-PRESSURE

Name of the conference: 8TH ADVANCED BATTERIES AND ACCUMULATORS (ABA) () (.2007.BRNO. REPÚBLICA CHECA)

Type of event: Conference

Geographical area: Non EU International

City of event: BRNO. REPÚBLICA CHECA,

Date of event: 2007

Yoncheva-,M.; Stoyanova-, Radostina; Zecheva-,Ekaterina; RICARDO ALCÁNTARA ROMÁN; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "STRUCTURAL CHARACTERIZATION AND INTERCALATION PROPERTIES OF LITHIUM-NICKEL-MANGANESE OXIDES OBTAINED UNDER HIGH-PRESSURE". En: 8TH ADVANCED BATTERIES AND ACCUMULATORS (ABA). pp. 96 - 99.

- 74 Title of the work:** SÍNTESIS Y CARACTERIZACIÓN DE ÓXIDOS DE METALES DE TRANSICIÓN A PARTIR DE MICELAS INVERSAS BASADAS EN SURFACTANTES OLEICOS PARA SU USO COMO ÁNODOS EN BATERIAS DE ION LITIO

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

Type of event: Conference

Geographical area: Non EU International

City of event: TOLEDO,

Date of event: 2007

CANDELA VIDAL-ABARCA GARRIDO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "SÍNTESIS Y CARACTERIZACIÓN DE ÓXIDOS DE METALES DE TRANSICIÓN A PARTIR DE



MICELAS INVERSAS BASADAS EN SURFACTANTES OLEICOS PARA SU USO COMO ÁNODOS EN BATERIAS DE ION LITIO". En: LIBRO DE RESUMENES DE LA XXXI REUNION BIENAL DE LA RSEQ. pp. G3-P7 - G3-P7.

- 75** **Title of the work:** ÁNODOS PARA BATERÍAS IÓN-LITIO A PARTIR DE ANTRACITAS
Name of the conference: IX REUNIÓN DEL GRUPO ESPAÑOL DEL CARBÓN () (.2007.TERUEL)
Type of event: Conference **Geographical area:** National
City of event: TERUEL,
Date of event: 2007
Cameán-, Ignacio; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Garcia-, A."ÁNODOS PARA BATERÍAS IÓN-LITIO A PARTIR DE ANTRACITAS". En: IX REUNIÓN DEL GRUPO ESPAÑOL DEL CARBÓN. pp. 53 - 53.
- 76** **Title of the work:** CHANGES IN THE MECHANISM OF LITHIUM EXTRACTION BY METAL SUBSTITUTION IN HIGH-VOLTAGE SPINEL ELECTRODES
Name of the conference: 2006 JOINT INTERNATIONAL MEETING. 210 ELECTROCHEMICAL SOCIETY MEETING () (.2006.CANCÚN, MEXICO)
Type of event: Conference **Geographical area:** Non EU International
City of event: CANCÚN, MEXICO,
Date of event: 2006
RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "CHANGES IN THE MECHANISM OF LITHIUM EXTRACTION BY METAL SUBSTITUTION IN HIGH-VOLTAGE SPINEL ELECTRODES". En: MEETING ABSTRACTS 2006 JOINT INTERNATIONAL MEETING. pp. 353 - 353.
- 77** **Title of the work:** COMPARATIVE ANALYSIS OF THE CHANGES IN LOCAL NI/MN ENVIRONMENT IN LITHIUM-NICKEL-MANGANESE OXIDES WITH LAYERED AND SPINEL STRUCTURE DURING ELECTROCHEMICAL EXTRACTION AND REINSERTION OF LITHIUM
Name of the conference: INTERNATIONAL MEETING ON LITHIUM BATTERIES (IMLB¿06) (.2006.BIARRITZ, FRANCIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: BIARRITZ, FRANCIA,
Date of event: 2006
Zhecheva-, Ekaterina; Stoyanova-, Radostina; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "COMPARATIVE ANALYSIS OF THE CHANGES IN LOCAL NI/MN ENVIRONMENT IN LITHIUM-NICKEL-MANGANESE OXIDES WITH LAYERED AND SPINEL STRUCTURE DURING ELECTROCHEMICAL EXTRACTION AND REINSERTION OF LITHIUM". En: INTERNATIONAL MEETING ON LITHIUM BATTERIES (ABSTRACTS). pp. 35 - 35.
- 78** **Title of the work:** DEVELOPMENT OF TIN-CARBON NANOSTRUCTURED MATERIAL FOR LITHIUM BATTERIES
Name of the conference: THE INTERNATIONAL CONFERENCE ON CARBON, 2006 () (.2006.ABERDEEN)
Type of event: Conference **Geographical area:** Non EU International
City of event: ABERDEEN,
Date of event: 2006
Concheso-, Alejandro; Santamaría-, Ricardo; Menendez-, Rosa; Jimenez-Mateos, Juan Miguel; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "DEVELOPMENT OF TIN-CARBON NANOSTRUCTURED MATERIAL FOR LITHIUM BATTERIES". En: CARBON 2006. pp. SA011 - SA011.

- 79** **Title of the work:** ELECTROCHEMICAL LITHIUM AND SODIUM REACTIONS WITH CARBON MICROSPHERES OBTAINED BY POLYCONDENSATION
Name of the conference: 2006 JOINT INTERNATIONAL MEETING. 210 ELECTROCHEMICAL SOCIETY MEETING () (.2006.CANCÚN, MEXICO)
Type of event: Conference **Geographical area:** Non EU International
City of event: CANCÚN, MEXICO,
Date of event: 2006
RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "ELECTROCHEMICAL LITHIUM AND SODIUM REACTIONS WITH CARBON MICROSPHERES OBTAINED BY POLYCONDENSATION". En: MEETING ABSTRACTS 2006 JOINT INTERNATIONAL MEETING. pp. 234 - 234.
- 80** **Title of the work:** ON THE EFFECT OF VANADIUM IN THE 5-V SPINEL CATODE MATERIAL $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ PARTIALLY SUBSTITUTED BY IRON
Name of the conference: INTERNATIONAL MEETING ON LITHIUM BATTERIES (IMLB¿06) (.2006.BIARRITZ, FRANCIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: BIARRITZ, FRANCIA,
Date of event: 2006
BERNARDO LEÓN MOHEDANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "ON THE EFFECT OF VANADIUM IN THE 5-V SPINEL CATODE MATERIAL $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ PARTIALLY SUBSTITUTED BY IRON". En: INTERNATIONAL MEETING ON LITHIUM BATTERIES (ABSTRACTS). pp. 116 - 116.
- 81** **Title of the work:** STRUCTURAL AND ELECTROCHEMICAL PROPERTIES OF $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$
Name of the conference: INTERNATIONAL MEETING ON LITHIUM BATTERIES (IMLB¿06) (.2006.BIARRITZ, FRANCIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: BIARRITZ, FRANCIA,
Date of event: 2006
RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "STRUCTURAL AND ELECTROCHEMICAL PROPERTIES OF $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ ". En: INTERNATIONAL MEETING ON LITHIUM BATTERIES (ABSTRACTS). pp. 109 - 109.
- 82** **Title of the work:** EFFECT OF ALUMINUM ON THE FORMATION OF THE SOLID SOLUTION BETWEEN LAYERED LiNiO_2 AND MONOCLINIC Li_2NiO_3 UNDER HIGH-PRESSURE.
Name of the conference: LIBD-3: LITHIUM BATTERY DISCUSSIONS: ELECTRODE MATERIALS (.2005.BURDEOS, FRANCIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: BURDEOS, FRANCIA,
Date of event: 2005
Shinova-,E; Zecheva-,Ekaterina; Stoyanova-, Radostina; Bromiley-,G; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO. "EFFECT OF ALUMINUM ON THE FORMATION OF THE SOLID SOLUTION BETWEEN LAYERED LiNiO_2 AND MONOCLINIC Li_2NiO_3 UNDER HIGH-PRESSURE.". En: LIBD-3: LITHIUM BATTERY DISCUSSIONS: ELECTRODE MATERIALS. pp. 56 - 57.
- 83** **Title of the work:** EFFECT OF DOUBLE SUBSTITUTION IN $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ BY IRON AND TITANIUM ON THE MECHANISM OF LITHIUM DEINSERTION
Name of the conference: LIBD-3: LITHIUM BATTERY DISCUSSIONS: ELECTRODE MATERIALS (.2005.BURDEOS, FRANCIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: BURDEOS, FRANCIA,

Date of event: 2005

BERNARDO LEÓN MOHEDANO; JOSE MANUEL LLORIS CORMANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "EFFECT OF DOUBLE SUBSTITUTION IN $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ BY IRON AND TITANIUM ON THE MECHANISM OF LITHIUM DEINSERTION". En: LIBD-3: LITHIUM BATTERY DISCUSSIONS: ELECTRODE MATERIALS. pp. 52 - 53.

84 Title of the work: IMPROVEMENT OF BATTERY PERFORMANCE BY NICKEL SULFIDE DISPERSION ON A CARBON MATRIX

Name of the conference: LIBD-3: LITHIUM BATTERY DISCUSSIONS: ELECTRODE MATERIALS (.2005.BURDEOS, FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: BURDEOS, FRANCIA,

Date of event: 2005

Concheso-,Alejandro; Santamaría-, Ricardo; Blanco-,C; Menendez-, Rosa; Jimenez-Mateos,Juan Miguel; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "IMPROVEMENT OF BATTERY PERFORMANCE BY NICKEL SULFIDE DISPERSION ON A CARBON MATRIX". En: LIBD-3: LITHIUM BATTERY DISCUSSIONS: ELECTRODE MATERIALS. pp. 172 - 173.

85 Title of the work: MODIFICATION OF THE ELECTROCHEMICAL BEHAVIOR OF CARBON NANOFIBERS FOR LITHIUM-ION BATTERIES BY IMPREGNATION, AND THERMAL AND HYDROTHERMAL TREATMENTS

Name of the conference: 208TH MEETING OF THE ELECTROCHEMICAL SOCIETY () (.2005.LOS ANGELES, USA)

Type of event: Conference

Geographical area: Non EU International

City of event: LOS ANGELES, USA,

Date of event: 2005

GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "MODIFICATION OF THE ELECTROCHEMICAL BEHAVIOR OF CARBON NANOFIBERS FOR LITHIUM-ION BATTERIES BY IMPREGNATION, AND THERMAL AND HYDROTHERMAL TREATMENTS". En: 208TH MEETING OF THE ELECTROCHEMICAL SOCIETY. pp. 119 - 119.

86 Title of the work: PHASE EVOLUTION OF IRON-CARBON COMPOSITES USED AS ELECTRODE MATERIALS IN LITHIUM BATTERIES.

Name of the conference: INTERNATIONAL CONFERENCE ON THE APPLICATIONS OF THE MÖSSBAUER EFFECT (ICAME 2005) () (.2005.MONTPELLIER (FRANCE))

Type of event: Conference

Geographical area: Non EU International

City of event: MONTPELLIER (FRANCE),

Date of event: 2005

Concheso-,Alejandro; Santamaría-, Ricardo; Menendez-, Rosa; Jimenez-Mateos,Juan Miguel; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "PHASE EVOLUTION OF IRON-CARBON COMPOSITES USED AS ELECTRODE MATERIALS IN LITHIUM BATTERIES.". En: ICAME 2005. pp. 612 - 613.

87 Title of the work: PREPARATION AND ALKALI METAL INSERTION PROPERTIES OF CARBON MICROBEADS

Name of the conference: LIBD-3: LITHIUM BATTERY DISCUSSIONS: ELECTRODE MATERIALS (.2005.BURDEOS, FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: BURDEOS, FRANCIA,

Date of event: 2005

RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "PREPARATION AND ALKALI METAL INSERTION

PROPERTIES OF CARBON MICROBEADS". En: LIBD-3: LITHIUM BATTERY DISCUSSIONS: ELECTRODE MATERIALS. pp. 242 - 243.

- 88 Title of the work:** COMPORTAMIENTO DE MATERIALES DERIVADOS DE BREAS DE ALQUITRÁN DE HULLA EN BATERÍAS DE ION-LI

Name of the conference: CONGRESO NACIONAL DE MATERIALES (8.2004.VALENCIA, ESPAÑA)

Type of event: Conference

Geographical area: National

City of event: VALENCIA, ESPAÑA,

Date of event: 2004

Concheso-,Alejandro; Blanco-,C; Santamaría-, Ricardo; Menendez-, Rosa; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO.

- 89 Title of the work:** IMPREGNATION OF CARBON NANOFIBERS FOR LITHIUM ION BATTERIES

Name of the conference: SOLID STATE CHEMISTRY (6.2004.PRAGA, REPÚBLICA CHECA)

Type of event: Conference

Geographical area: Non EU International

City of event: PRAGA, REPÚBLICA CHECA,

Date of event: 2004

RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; GREGORIO FRANCISCO MARIO ORTIZ JIMENEZ; JOSE LUIS TIRADO COELLO. "IMPREGNATION OF CARBON NANOFIBERS FOR LITHIUM ION BATTERIES". En: VI. SOLID STATE CHEMISTRY. pp. 241 - 241. ISBN 80-239-2480-X

- 90 Title of the work:** MATÉRIAUX D'ÉLECTRODE POSITIVE À HAUT VOLTAGE LICO_{0,8}FE_{0,2}MNO₄ : MÉCANISME D'OXYDATION ET SPECTROMÉTRIE MÖSSBAUER DE 57FE.

Name of the conference: GFECI-04 () (.2004.BURDEOS)

Type of event: Conference

Geographical area: Non EU International

City of event: BURDEOS,

Date of event: 2004

Jumas-, Jean Claude; Olivier-Fourcade-, Josette; RICARDO ALCÁNTARA ROMÁN; MARGARITA JARABA CABALLERO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "MATÉRIAUX D'ÉLECTRODE POSITIVE À HAUT VOLTAGE LICO_{0,8}FE_{0,2}MNO₄ : MÉCANISME D'OXYDATION ET SPECTROMÉTRIE MÖSSBAUER DE 57FE.". En: GFECI 2004. pp. P10 - P10.

- 91 Title of the work:** PERFORMANCE OF DIFFERENT COAL-TAR PITCH DERIVED CARBONS IN LI-ION BATTERIES

Name of the conference: BIENNIAL CONFERENCE ON CARBON () (.2004.PROVIDENCE, USA)

Type of event: Conference

Geographical area: Non EU International

City of event: PROVIDENCE, USA,

Date of event: 2004

Concheso-,Alejandro; Santamaría-, Ricardo; Menendez-, Rosa; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "PERFORMANCE OF DIFFERENT COAL-TAR PITCH DERIVED CARBONS IN LI-ION BATTERIES". En: CARBON 2004. pp. P22 - P22.

- 92 Title of the work:** SURFACE MODIFICATION OF LINI_{0.5}MN_{1.5}O₄ AND LICO_{0.8}FE_{0.2}MNO₄ HIGH-VOLTAGE ELECTRODES WITH ZINC, MAGNESIUM, BORON AND ALUMINIUM OXIDES

Name of the conference: BATTERY AND FUEL CELL MATERIALS SYMPOSIUM () (.2004.GRAZ, AUSTRIA)

Type of event: Conference

Geographical area: Non EU International

City of event: GRAZ, AUSTRIA,

Date of event: 2004

RICARDO ALCÁNTARA ROMÁN; MARGARITA JARABA CABALLERO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "SURFACE MODIFICATION OF LINI_{0.5}MN_{1.5}O₄ AND

LICO0.8FE0.2MNO4 HIGH-VOLTAGE ELECTRODES WITH ZINC, MAGNESIUM, BORON AND ALUMINIUM OXIDES". En: BATTERY AND FUEL CELL MATERIALS. pp. 131 - 132.

93 Title of the work: SYNERGIC EFFECTS OF MULTIPLE METAL SUBSTITUTION IN 5 V SPINEL ELECTRODE MATERIALS

Name of the conference: BATTERY AND FUEL CELL MATERIALS SYMPOSIUM () (.2004.GRAZ, AUSTRIA)

Type of event: Conference

Geographical area: Non EU International

City of event: GRAZ, AUSTRIA,

Date of event: 2004

JOSE LUIS TIRADO COELLO. "SYNERGIC EFFECTS OF MULTIPLE METAL SUBSTITUTION IN 5 V SPINEL ELECTRODE MATERIALS". En: BATTERY AND FUEL CELL MATERIALS. pp. 17 - 18.

94 Title of the work: TRANSITION METAL MIXED OXIDES WITH A SPINEL STRUCTURE FOR THE ELECTRODES OF A NEW GENERATION OF LITHIUM-ION BATTERIES

Name of the conference: SOLID STATE CHEMISTRY (6.2004.PRAGA, REPÚBLICA CHECA)

Type of event: Conference

Geographical area: Non EU International

City of event: PRAGA, REPÚBLICA CHECA,

Date of event: 2004

RICARDO ALCÁNTARA ROMÁN; MARGARITA JARABA CABALLERO; PEDRO JAVIER LAVELA CABELLO; JOSE MANUEL LLORIS CORMANO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "TRANSITION METAL MIXED OXIDES WITH A SPINEL STRUCTURE FOR THE ELECTRODES OF A NEW GENERATION OF LITHIUM-ION BATTERIES". En: VI. SOLID STATE CHEMISTRY. pp. 64 - 65. ISBN 80-239-2480-X

95 Title of the work: 57FE MÖSSBAUER CHARACTERIZATION OF THE ELECTROCHEMICAL LITHIUM REACTION OF POWDERED FERRITES

Name of the conference: LIBD 2003 () (.2003.ARCACHON, FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: ARCACHON, FRANCIA,

Date of event: 2003

RICARDO ALCÁNTARA ROMÁN; MARGARITA JARABA CABALLERO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Jumas-, Jean Claude; Olivier-Fourcade-, Josette. "57FE MÖSSBAUER CHARACTERIZATION OF THE ELECTROCHEMICAL LITHIUM REACTION OF POWDERED FERRITES". En: LIBD 2003. pp. 70 - 70.

96 Title of the work: ELECTROCHEMICAL, EPR AND SOLID-STATE NMR STUDY OF LIGAYCO1-YO2, LIALYCO1-YO2 AND LIALYGA1-YO2 SOLID SOLUTIONS

Name of the conference: LIBD 2003 () (.2003.ARCACHON, FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: ARCACHON, FRANCIA,

Date of event: 2003

Zhecheva-, Ekaterina; Stoyanova-, Radostina; RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO. "ELECTROCHEMICAL, EPR AND SOLID-STATE NMR STUDY OF LIGAYCO1-YO2, LIALYCO1-YO2 AND LIALYGA1-YO2 SOLID SOLUTIONS". En: LIBD 2003. pp. 45 - 46.

97 Title of the work: MESOPHASE PITCH-BASED CARBONS FOR LI-ION BATTERIES

Name of the conference: CARBON 03 (.2003.OVIEDO)

Type of event: Conference

Geographical area: Non EU International

City of event: OVIEDO,

Date of event: 2003

PEDRO JAVIER LAVELA CABELLO; Menendez-, Rosa; RICARDO ALCÁNTARA ROMÁN; Granda-, M; Jiménez-Mateos, J. M.; Santamaría-, Ricardo; JOSE LUIS TIRADO COELLO; Concheso-, Alejandro.

- 98** **Title of the work:** NEW MATERIALS IN THE LINIYCO1-2YMN1+YO4 AND LICOXFEYMN2-(X+Y)O4 SPINEL SYSTEMS AS 5 V ELECTRODES FOR ADVANCED LI-ION BATTERIES
Name of the conference: LIBD 2003 () (.2003.ARCACHON, FRANCIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: ARCACHON, FRANCIA,
Date of event: 2003
RICARDO ALCÁNTARA ROMÁN; MARGARITA JARABA CABALLERO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "NEW MATERIALS IN THE LINIYCO1-2YMN1+YO4 AND LICOXFEYMN2-(X+Y)O4 SPINEL SYSTEMS AS 5 V ELECTRODES FOR ADVANCED LI-ION BATTERIES". En: LIBD 2003. pp. 30 - 30.
- 99** **Title of the work:** PETROLEUM-BASED CARBON ANODES FOR ION-LI BATTERIES
Name of the conference: EUROPEAN CONGRESS OF CHEMICAL ENGINEERING (4.2003.GRANADA (ESPAÑA))
Type of event: Conference **Geographical area:** Non EU International
Date of event: 2003
Concheso-,Alejandro; Santamaría-, Ricardo; Granda-,M; Jimenez-Mateos,Juan Miguel; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "PETROLEUM-BASED CARBON ANODES FOR ION-LI BATTERIES". En: ECCE-4: EUROPEAN CONGRESS OF CHEMICAL ENGINEERING. pp. 31016 - 31016. ISBN 84-88233-23-X
- 100** **Title of the work:** ÓXIDOS DE METALES DE TRANSICIÓN CON ESTRUCTURA ESPINELA PARA ELECTRODOS NEGATIVOS DE BATERÍAS DE IÓN-LITIO
Name of the conference: REAL SOCIEDAD ESPAÑOLA DE QUÍMICA. REUNIÓN BIENAL (29.2003.MADRID, ESPAÑA)
Type of event: Conference **Geographical area:** National
Date of event: 2003
RICARDO ALCÁNTARA ROMÁN; MARGARITA JARABA CABALLERO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Jumas-, Jean Claude; Olivier-Fourcade-, Josette. "ÓXIDOS DE METALES DE TRANSICIÓN CON ESTRUCTURA ESPINELA PARA ELECTRODOS NEGATIVOS DE BATERÍAS DE IÓN-LITIO". En: XXIX REUNION BIENAL DE LA REAL SOCIEDAD ESPAÑOLA DE QUÍMICA. pp. 427 - 427.
- 101** **Title of the work:** APLICACIÓN DE LA RMN A LA CARACTERIZACIÓN DE LA REACCIÓN ELECTROQUÍMICA DEL LITIO CON Sn_2ClPO_4 Y SnHPO_4
Name of the conference: REUNIÓN BIENAL DEL GRUPO ESPECIALIZADO DE RMN. REAL SOCIEDAD ESPAÑOLA DE QUÍMICA (1.2002.CALELLA (BARCELONA))
Type of event: Conference **Geographical area:** National
City of event: CALELLA (BARCELONA),
Date of event: 2002
Corredor-Coca, Juan Isidro; Elidrissi-Moubtasim,M.; JOSE MANUEL LLORIS CORMANO; PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "APLICACIÓN DE LA RMN A LA CARACTERIZACIÓN DE LA REACCIÓN ELECTROQUÍMICA DEL LITIO CON Sn_2ClPO_4 Y SnHPO_4 ". En: ACTAS DE LA I REUNIÓN BIENAL DEL GRUPO ESPECIALIZADO DE RMN DE LA RSEQ. pp. 12 - 12.
- 102** **Title of the work:** APPLICATION OF EPR TO STRUCTURAL CHARACTERIZATION OF LITHIUM MANGANESE SPINELS.
Name of the conference: Jornadas sobre la integración europea y Administraciones Públicas
Type of event: Conference **Geographical area:** Non EU International
City of event: Córdoba,
Date of event: 2002

JOSE LUIS TIRADO COELLO; PEDRO JAVIER LAVELA CABELLO. "APPLICATION OF EPR TO STRUCTURAL CHARACTERIZATION OF LITHIUM MANGANESE SPINELS". En: LIBD (LITHIUM BATTERY DISCUSSION)..

103 Title of the work: CATION ORDER/DISORDER IN LITHIUM-TRANSITION METAL OXIDES AS INSERTION ELECTRODES FOR LITHIUM-ION BATTERIES

Name of the conference: INTERNATIONAL SYMPOSIUM ON SOLUBILITY PHENOMENA (10.2002.VARNA, BULGARIA)

Type of event: Conference

Geographical area: Non EU International

City of event: VARNA, BULGARIA,

Date of event: 2002

Zhecheva-, Ekaterina; Stoyanova-, Radostina; RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "CATION ORDER/DISORDER IN LITHIUM-TRANSITION METAL OXIDES AS INSERTION ELECTRODES FOR LITHIUM-ION BATTERIES". En: 10TH INTERNATIONAL SYMPOSIUM ON SOLUBILITY PHENOMENA. pp. 1 - 4.

104 Title of the work: ELECTROCHEMICAL LITHIUM REACTION OF SOME FIRST-ROW TRANSITION METAL SPINEL MIXED-OXIDES

Name of the conference: ELECTROCHEMICAL SOCIETY MEETING (202.2002.SALT LAKE CITY, USA)

Type of event: Conference

Geographical area: Non EU International

City of event: SALT LAKE CITY, USA,

Date of event: 2002

RICARDO ALCÁNTARA ROMÁN; MARGARITA JARABA CABALLERO; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Jumas-, Jean Claude; Olivier-Fourcade, Josette. "ELECTROCHEMICAL LITHIUM REACTION OF SOME FIRST-ROW TRANSITION METAL SPINEL MIXED-OXIDES". En: 202ND ECS MEETING. pp. A131 - A131.

105 Title of the work: HIGH-PRESSURE SYNTHESIS OF GA-SUBSTITUTED LICOO₂ CATHODES FOR LITHIUM-ION BATTERIES

Name of the conference: INT. CONF. ON INORGANIC MATERIALS (3.2002.KONSTANZ, ALEMANIA)

Type of event: Conference

Geographical area: Non EU International

City of event: KONSTANZ, ALEMANIA,

Date of event: 2002

Stoyanova-, Radostina; Zhecheva-, Ekaterina; RICARDO ALCÁNTARA ROMÁN; Corredor-Coca, Juan Isidro; JOSE LUIS TIRADO COELLO. "HIGH-PRESSURE SYNTHESIS OF GA-SUBSTITUTED LICOO₂ CATHODES FOR LITHIUM-ION BATTERIES". En: 3RD INT. CONF. ON INORGANIC MATERIALS. pp. 21 - 21.

106 Title of the work: LITHIUM INSERTION MECHANISM IN SB-BASED ELECTRODE MATERIALS FROM 121SB MÖSSBAUER SPECTROMETRY

Name of the conference: INTERNATIONAL MEETING ON LITHIUM BATTERIES (11.2002.MONTEREY, CALIFORNIA)

Type of event: Conference

Geographical area: Non EU International

City of event: MONTEREY, CALIFORNIA,

Date of event: 2002

Jumas-, Jean Claude; Olivier-Fourcade-, Josette; FRANCISCO JAVIER FERNANDEZ MADRIGAL; PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "LITHIUM INSERTION MECHANISM IN SB-BASED ELECTRODE MATERIALS FROM 121SB MÖSSBAUER SPECTROMETRY". En: 11TH INTERNATIONAL MEETING ON LITHIUM BATTERIES. pp. 255 - 255. ISBN 1-56677-327-X

- 107** **Title of the work:** APPLICATIONS OF EPR TO STRUCTURAL CHARACTERIZATION OF LITHIUM-MANGANESE SPINELS.
Name of the conference: LIBD-ELECTRODE MATERIALS (1.2001.ARCACHON/FRANCE)
Type of event: Conference **Geographical area:** Non EU International
City of event: ARCACHON/FRANCE,
Date of event: 2001
PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Zhecheva-, E.; Stoyanova-, R. "APPLICATIONS OF EPR TO STRUCTURAL CHARACTERIZATION OF LITHIUM-MANGANESE SPINELS.". En: LIBD-ELECTRODE MATERIALS. pp. 19 - 19.
- 108** **Title of the work:** CARBON-BASED NEGATIVE ELECTRODES OF LITHIUM-ION BATTERIES OBTAINED FROM RESIDUA OF THE PETROLEUM INDUSTRY
Name of the conference: CONFERENCE OF THE NATO ADVANCED STUDY INSTITUTE ON NEW TRENDS IN INTERCALATION COMPOUNDS FOR ENERGY STORAGE (.2001.SOZOPOL, BULGARIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: SOZOPOL, BULGARIA,
Date of event: 2001
RICARDO ALCÁNTARA ROMÁN; FRANCISCO JAVIER FERNANDEZ MADRIGAL; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Zhecheva-, Ekaterina; Stoyanova-, Radostina; Jimenez-Mateos, Juan Miguel; Gomez-Salazar, Carlos. "CARBON-BASED NEGATIVE ELECTRODES OF LITHIUM-ION BATTERIES OBTAINED FROM RESIDUA OF THE PETROLEUM INDUSTRY". En: NEW TRENDS IN INTERCALATION COMPOUNDS FOR ENERGY STORAGE. 61, pp. 101 - 108. ISBN 1-4020-0594-6
- 109** **Title of the work:** CHEMICAL DELITHIATION, THERMAL TRANSFORMATIONS AND ELECTROCHEMICAL BEHAVIOUR OF IRON-SUBSTITUTED LITHIUM NICKELATE.
Name of the conference: MRS FALL MEETING (.2001.BOSTON, MASSACHUSETTS)
Type of event: Conference **Geographical area:** Non EU International
City of event: BOSTON, MASSACHUSETTS,
Date of event: 2001
PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "CHEMICAL DELITHIATION, THERMAL TRANSFORMATIONS AND ELECTROCHEMICAL BEHAVIOUR OF IRON-SUBSTITUTED LITHIUM NICKELATE.". En: MRS FALL MEETING. pp. 615 - 615.
- 110** **Title of the work:** COBALT(III) EFFECT ON ^{27}Al NMR CHEMICAL SHIFTS IN $\text{Li}(\text{Co}_{1-x}\text{Al}_x)\text{O}_2$
Name of the conference: LIBD-ELECTRODE MATERIALS (1.2001.ARCACHON/FRANCE)
Type of event: Conference **Geographical area:** Non EU International
City of event: ARCACHON/FRANCE,
Date of event: 2001
PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Zhecheva-, E.; Stoyanova-, R. "COBALT(III) EFFECT ON ^{27}Al NMR CHEMICAL SHIFTS IN $\text{Li}(\text{Co}_{1-x}\text{Al}_x)\text{O}_2$ ". En: LIBD-ELECTRODE MATERIALS. pp. 45 - 45.
- 111** **Title of the work:** ELECTROCHEMICAL BEHAVIOR OF TIN HYDROGEN PHOSPHATE IN LITHIUM BATTERIES.
Name of the conference: MEETING OF THE ELECTROCHEMICAL SOCIETY (200.2001.SAN FRANCISCO, USA)
Type of event: Conference **Geographical area:** Non EU International
City of event: SAN FRANCISCO, USA,
Date of event: 2001
JOSE LUIS TIRADO COELLO; CARLOS PEREZ VICENTE; Corredor-Coca, Juan Isidro; Elidrissi-Moubtassim, Ml. "ELECTROCHEMICAL BEHAVIOR OF TIN HYDROGEN PHOSPHATE IN

LITHIUM BATTERIES.". En: MEETING ABSTRACTS SAN FRANCISCO 2001 JOINT MEETING. pp. 246 - 246. ISBN 1-56677-362-8

- 112 Title of the work:** ELECTROCHEMICAL REACTIONS OF POLYCRYSTALLINE ANTIMONY COMPOUNDS IN LITHIUM CELLS.
Name of the conference: LIBD-ELECTRODE MATERIALS (1.2001.ARCACHON/FRANCE)
Type of event: Conference **Geographical area:** Non EU International
City of event: ARCACHON/FRANCE,
Date of event: 2001
RICARDO ALCÁNTARA ROMÁN; FRANCISCO JAVIER FERNANDEZ MADRIGAL; PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "ELECTROCHEMICAL REACTIONS OF POLYCRYSTALLINE ANTIMONY COMPOUNDS IN LITHIUM CELLS.". En: LIBD-ELECTRODE MATERIALS. 1, pp. 53 - 53.
- 113 Title of the work:** IN SITU PREPARATION OF COMPOSITE ELECTRODES: ANTIMONY ALLOYS AND COMPOUNDS
Name of the conference: CONFERENCE OF THE NATO ADVANCED STUDY INSTITUTE ON NEW TRENDS IN INTERCALATION COMPOUNDS FOR ENERGY STORAGE (.2001.SOZOPOL, BULGARIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: SOZOPOL, BULGARIA,
Date of event: 2001
RICARDO ALCÁNTARA ROMÁN; FRANCISCO JAVIER FERNANDEZ MADRIGAL; PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "IN SITU PREPARATION OF COMPOSITE ELECTRODES: ANTIMONY ALLOYS AND COMPOUNDS". En: NEW TRENDS IN INTERCALATION COMPOUNDS FOR ENERGY STORAGE. 61, pp. 193 - 200. ISBN 1-4020-0594-6
- 114 Title of the work:** ON THE ELECTROCHEMICAL REACTION OF LITHIUM WITH SKUTTERUDITES-LIKE COMPOUNDS.
Name of the conference: LIBD-ELECTRODE MATERIALS (1.2001.ARCACHON/FRANCE)
Type of event: Conference **Geographical area:** Non EU International
City of event: ARCACHON/FRANCE,
Date of event: 2001
RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Jumas-, Jean Claude. "ON THE ELECTROCHEMICAL REACTION OF LITHIUM WITH SKUTTERUDITES-LIKE COMPOUNDS.". En: LIBD-ELECTRODE MATERIALS. pp. 54 - 54.
- 115 Title of the work:** ON THE USE OF IN-SITU GENERATED TIN-BASED COMPOSITE MATERIALS IN LITHIUM-ION CELLS
Name of the conference: CONFERENCE OF THE NATO ADVANCED STUDY INSTITUTE ON NEW TRENDS IN INTERCALATION COMPOUNDS FOR ENERGY STORAGE (.2001.SOZOPOL, BULGARIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: SOZOPOL, BULGARIA,
Date of event: 2001
RICARDO ALCÁNTARA ROMÁN; FRANCISCO JAVIER FERNANDEZ MADRIGAL; PEDRO JAVIER LAVELA CABELLO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "ON THE USE OF IN-SITU GENERATED TIN-BASED COMPOSITE MATERIALS IN LITHIUM-ION CELLS". En: NEW TRENDS IN INTERCALATION COMPOUNDS FOR ENERGY STORAGE. 61, pp. 201 - 208. ISBN 1-4020-0594-6
- 116 Title of the work:** SHORT-RANGE CO/MN ORDERING AND ELECTROCHEMICAL INTERCALATION OF LI INTO $\text{Li}[\text{Mn}_{2-\text{YCOY}}\text{O}_4]$ SPINELS, $0 < \text{Y} < 1$
Name of the conference: CONFERENCE OF THE NATO ADVANCED STUDY INSTITUTE ON NEW TRENDS IN INTERCALATION COMPOUNDS FOR ENERGY STORAGE (.2001.SOZOPOL, BULGARIA)
Type of event: Conference **Geographical area:** Non EU International

City of event: SOZOPOL, BULGARIA,

Date of event: 2001

Zhecheva-, Ekaterina; Stoyanova-, Radostina; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO. "SHORT-RANGE CO/MN ORDERING AND ELECTROCHEMICAL INTERCALATION OF LI INTO $\text{Li}[\text{MN}_2\text{-YCOY}]_4$ SPINELS, $0 < Y < 1$ ". En: NEW TRENDS IN INTERCALATION COMPOUNDS FOR ENERGY STORAGE. 61, pp. 475 - 482. ISBN 1-4020-0594-6

117 Title of the work: DIAGNOSTICO Y ASESORAMIENTO PSICOPEDAGOGICO EN EDUCACION PRIMARIA

Name of the conference: CONGRESO INTERNACIONAL DE PSICOLOGÍA Y EDUCACIÓN (3) (3.1999.SANTIAGO DE COMPOSTELA)

Type of event: Conference

Geographical area: Non EU International

City of event: SANTIAGO DE COMPOSTELA,

Date of event: 1999

JOSE ALVAREZ RODRIGUEZ; García-, T.; JOSE LUIS TIRADO COELLO. "DIAGNOSTICO Y ASESORAMIENTO PSICOPEDAGOGICO EN EDUCACION PRIMARIA". En: III CONGRESO INTERNACIONAL DE PSICOLOGÍA Y EDUCACIÓN. LIBRO DE ACTAS. pp. 0 - 0.

118 Title of the work: ALUMINIUM STABILIZED LiNiO_2 AND $\text{LiNi}_{1-x}\text{Co}_x\text{O}_2$

Name of the conference: FIRTS INTERNATIONAL CONFERENCE ON INORGANIC MATERIALS (1.1998.VERSALLES, FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: VERSALLES, FRANCIA,

Date of event: 1998

RICARDO ALCÁNTARA ROMÁN; JOSE LUIS TIRADO COELLO; PEDRO JAVIER LAVELA CABELLO; Stoyanova-, Radostina; Kuzmanova-, E.; Zhecheva-, E. "ALUMINIUM STABILIZED LiNiO_2 AND $\text{LiNi}_{1-x}\text{Co}_x\text{O}_2$ ". En: FIRTS INTERNATIONAL CONFERENCE ON INORGANIC MATERIALS. 1, pp. 0 - 0.

119 Title of the work: X-RAY DIFFRACTION, 57FE MOSSBAUER AND STEP POTENTIAL ELECTROCHEMICAL SPECTROSCOPY STUDY OF $\text{Li}_y\text{Co}_{1-y}\text{O}_2$ COMPOUNDS

Name of the conference: INTERNATIONAL MEETING ON LITHIUM BATTERIES (9.1998.EDINBURGH)

Type of event: Conference

Geographical area: Non EU International

City of event: EDINBURGH,

Date of event: 1998

RICARDO ALCÁNTARA ROMÁN; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; CARLOS PEREZ VICENTE; Jumas-, Jean Claude; Olivier-Fourcade-, Josette. "X-RAY DIFFRACTION, 57FE MOSSBAUER AND STEP POTENTIAL ELECTROCHEMICAL SPECTROSCOPY STUDY OF $\text{Li}_y\text{Co}_{1-y}\text{O}_2$ COMPOUNDS". En: 9TH INTERNATIONAL MEETING ON LITHIUM BATTERIES. 1, pp. 0 - 0.

120 Title of the work: 125TE AND 57FE MÖSSBAUER CHARACTERIZATION AND ALKALI METAL INSERTION INTO $\text{TAFE}_{1.25}\text{TE}_3$

Name of the conference: EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY (6.1997.ZURICH (SUIZA))

Type of event: Conference

Geographical area: Non EU International

City of event: ZURICH (SUIZA),

Date of event: 1997

Jumas-, Jean Claude; Olivier-Fourcade-, Josette; CARLOS PEREZ VICENTE; LUIS SANCHEZ GRANADOS; JOSE LUIS TIRADO COELLO. "125TE AND 57FE MÖSSBAUER CHARACTERIZATION AND ALKALI METAL INSERTION INTO $\text{TAFE}_{1.25}\text{TE}_3$ ". En: VITH EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY. 1, pp. 0 - 0.



- 121 Title of the work:** DESARROLLO ELECTROQUÍMICO DE SISTEMAS LI-MN-O PARA SU UTILIZACIÓN COMO CÁTODOS EN BATERÍAS RECARGABLES DE LITIO
Name of the conference: REUNION BIENAL DE LA REAL SOCIEDAD ESPAÑOLA DE QUÍMICA (26.1997.CÁDIZ, ESPAÑA)
Type of event: Conference **Geographical area:** National
City of event: CÁDIZ, ESPAÑA,
Date of event: 1997
LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; LUIS SANCHEZ GRANADOS; JESUS SANTOS PEÑA; JOSE LUIS TIRADO COELLO. "DESARROLLO ELECTROQUÍMICO DE SISTEMAS LI-MN-O PARA SU UTILIZACIÓN COMO CÁTODOS EN BATERÍAS RECARGABLES DE LITIO". En: 26ª REUNIÓN BIENAL DE LA RSEQ. 2, pp. 743 - 745.
- 122 Title of the work:** STRUCTURAL AND LOCAL ENVIRONMENT MODIFICATIONS IN A LITHIUM INSERTED IRON THIOSPINEL
Name of the conference: EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY (6.1997.ZURICH (SUIZA))
Type of event: Conference **Geographical area:** Non EU International
City of event: ZURICH (SUIZA),
Date of event: 1997
Bousquet-,Christelle; Kramer-,Albert; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO; Olivier-Fourcade-, Josette; Jumas-, Jean Claude. "STRUCTURAL AND LOCAL ENVIRONMENT MODIFICATIONS IN A LITHIUM INSERTED IRON THIOSPINEL". En: VITH EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY. 1, pp. 0 - 0.
- 123 Title of the work:** NOVEL LAYERED CHALCOGENIDES AS ELECTRODE MATERIALS FOR LITHIUM BATTERIES
Name of the conference: INTERNATIONA MEETING ON LITHIUM BATTERIES (8.1996.NAGOYA - JAPÓN)
Type of event: Conference **Geographical area:** Non EU International
City of event: NAGOYA - JAPÓN,
Date of event: 1996
PEDRO JAVIER LAVELA CABELLO; JULIAN MORALES PALOMINO; LUIS SANCHEZ GRANADOS; JOSE LUIS TIRADO COELLO. "NOVEL LAYERED CHALCOGENIDES AS ELECTRODE MATERIALS FOR LITHIUM BATTERIES". En: 8TH INTERNATIONA MEETING ON LITHIUM BATTERIES. 1, pp. 534 - 536.
- 124 Title of the work:** COOPER EXTRACTION AND LITHIUM INSERTION INTO CONTAINING SPINEL SULFIDES.
Name of the conference: EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY. (5.1995.MONTPELLIER, (FRANCIA))
Type of event: Conference **Geographical area:** Non EU International
City of event: MONTPELLIER, (FRANCIA),
Date of event: 1995
PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; Jumas-, Jean Claude; Olivier-Fourcade-,J."COOPER EXTRACTION AND LITHIUM INSERTION INTO CONTAINING SPINEL SULFIDES.". En: VTH EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY.. 1, pp. 52 - 54.
- 125 Title of the work:** GUEST-HOST INTERACTIONS IN COBALTOCENE INTERCALATED MISFIT LAYER COMPOUNDS
Name of the conference: EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY (5.1995.MONTPELLIER - FRANCIA)
Type of event: Conference **Geographical area:** Non EU International
City of event: MONTPELLIER - FRANCIA,
Date of event: 1995



LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; LUIS SANCHEZ GRANADOS; JOSE LUIS TIRADO COELLO; Espinós-, J.P.; Gonzalez-Elise-, A.R. "GUEST-HOST INTERACTIONS IN COBALTOCENE INTERCALATED MISFIT LAYER COMPOUNDS". En: VTH EUROPEAN CONFERENCE ON SOLID STATE CHEMISTRY. 2, pp. 535 - 537.

- 126 Title of the work:** INSERTION ELECTROCHIMIQUE DU LITHIUM DANS DES OXYDES MIXTES MN-CO, M-FE, ET CO-FE DE ESTRUCTURE SPINELLE RICHE EN LACUNES CATIONIQUES

Name of the conference: GFECI-95 (1.1995.NANCY (FRANCIA))

Type of event: Conference

Geographical area: Non EU International

City of event: NANCY (FRANCIA),

Date of event: 1995

LUIS SANCHEZ GRANADOS; Pereira-Ramos-, J.P.; Farcy-, J.; LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "INSERTION ELECTROCHIMIQUE DU LITHIUM DANS DES OXYDES MIXTES MN-CO, M-FE, ET CO-FE DE ESTRUCTURE SPINELLE RICHE EN LACUNES CATIONIQUES". En: GFECI-95. 1, pp. 98 - 100.

- 127 Title of the work:** COBALTOCENE INTERCALATION INTO MISFIT LAYER CHALCOGENIDES

Name of the conference: GFECI-94 (1.1994.CAP D'ADGE - MONTPELLIER (FRANCIA))

Type of event: Conference

Geographical area: Non EU International

City of event: CAP D'ADGE - MONTPELLIER (FRANCIA),

Date of event: 1994

LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; LUIS SANCHEZ GRANADOS; JOSE LUIS TIRADO COELLO. "COBALTOCENE INTERCALATION INTO MISFIT LAYER CHALCOGENIDES". En: GFECI-94. 1, pp. 103 - 105.

- 128 Title of the work:** ETUDE DU MECANISME D'INSERTION ÉLECTROCHIMIQUE DE LITHIUM DANS DES THIOSPINNELLES.

Name of the conference: REUNION ANNUELLE DE LA SOCIÉTÉ FRANCAISE DE CHIMIE. (1.1994.LYON, (FRANCIA))

Type of event: Conference

Geographical area: Non EU International

City of event: LYON, (FRANCIA),

Date of event: 1994

Bousquet-, C.; PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; JULIAN MORALES PALOMINO; Jumas-, Jean Claude; Olivier-Fourcade-, J.; Moubtassim-Elidrissi, M. "ETUDE DU MECANISME D'INSERTION ÉLECTROCHIMIQUE DE LITHIUM DANS DES THIOSPINNELLES". En: REUNION ANNUELLE DE LA SOCIÉTÉ FRANCAISE DE CHIMIE.. pp. 387 - 388.

- 129 Title of the work:** ETUDE PAR SPECTROSCOPIE MÖSSBAUER DE ¹¹⁹SN DE SULFURES LAMELLAIRES DE STRUCTURES INCOMMENSURABLES.

Name of the conference: REUNION ANUELLE DU GROUPE FRANCAIS DE SPECTROSCOPIES MÖSSBAUER. (1.1994.CAEN, (FRANCIA))

Type of event: Conference

Geographical area: Non EU International

City of event: CAEN, (FRANCIA),

Date of event: 1994

PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; JULIAN MORALES PALOMINO; Jumas-, Jean Claude; Olivier-Fourcade-, J. "ETUDE PAR SPECTROSCOPIE MÖSSBAUER DE ¹¹⁹SN DE SULFURES LAMELLAIRES DE STRUCTURES INCOMMENSURABLES". En: REUNION ANUELLE DU GROUPE FRANCAIS DE SPECTROSCOPIES MÖSSBAUER.. pp. 0 - 0.

- 130 Title of the work:** TRANSFERTS ÉLECTRONIQUES INDUITS PAR RÉACTINOS D'INSERTION/EXTRACTION DANS DES THIOSPINELLES MISTES ÉLÉMENTS DE TRANSITION (CU, MN, FE, CO, NI) ÉLÉMENTS P (SN).

Name of the conference: REUNION ANNUELLE DU GROUPE FRANCAIS D ETUDE DES COMPOSES D INSERTION. (1.1994.MONTPELLIER, (FRANCIA))

Type of event: Conference

Geographical area: Non EU International

City of event: MONTPELLIER, (FRANCIA),

Date of event: 1994

PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; JULIAN MORALES PALOMINO; Jumas-, Jean Claude; Olivier-Fourcade-,J."TRANSFERTS ÉLECTRONIQUES INDUITS PAR RÉACTINOS D'INSERTION/EXTRACTION DANS DES THIOSPINELLES MISTES ÉLÉMENTS DE TRANSITION (CU, MN, FE, CO, NI) ÉLÉMENTS P (SN)". En: REUNION ANNUELLE DU GROUPE FRANCAIS D'ETUDE DES COMPOSES D'INSERTION.. pp. 96 - 98.

131 Title of the work: ELECTROCHEMICAL ALKALI METAL INTERCALATION INTO (BIS)1.17(NBS2)2

Name of the conference: INTERNATIONAL CONFERENCE ON SOLID STATE IONICS (9.1993.THE HAGUE - HOLANDA)

Type of event: Conference

Geographical area: Non EU International

City of event: THE HAGUE - HOLANDA,

Date of event: 1993

LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; LUIS SANCHEZ GRANADOS; JOSE LUIS TIRADO COELLO. "ELECTROCHEMICAL ALKALI METAL INTERCALATION INTO (BIS)1.17(NBS2)2". En: 9TH INTERNATIONAL CONFERENCE ON SOLID STATE IONICS. 1, pp. 413 - 414.

132 Title of the work: CHEMICAL AND ELECTROCHEMICAL INTERCALATION OF LITHIUM IN SNTIS3 AND BITI2S5 MISFIT LAYER COMPOUNDS.

Name of the conference: ISRS INTERNATIONAL SYMPOSIUM ON THE REACTIVITY OF SOLIDS. (12.1992.MADRID, (ESPAÑA))

Type of event: Conference

Geographical area: Non EU International

City of event: MADRID, (ESPAÑA),

Date of event: 1992

PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; JULIAN MORALES PALOMINO; CRISTOBALINA BARRIGA CARRASCO. "CHEMICAL AND ELECTROCHEMICAL INTERCALATION OF LITHIUM IN SNTIS3 AND BITI2S5 MISFIT LAYER COMPOUNDS.". En: 12TH ISRS INTERNATIONAL SYMPOSIUM ON THE REACTIVITY OF SOLIDS.. pp. 116 - 117.

133 Title of the work: CHEMICAL AND ELECTROCHEMICAL LITHIUM INSERTION INTO PBTAS3 AND SNTAS3 MISFIT LAYER COMPOUNDS.

Name of the conference: ITALIAN-PORTUGUESE-SPANISH MEETING IN INORGANIC CHEMISTRY. (2.1992.ALFA MAR, (PORTUGAL))

Type of event: Conference

Geographical area: Non EU International

City of event: ALFA MAR, (PORTUGAL),

Date of event: 1992

PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; JULIAN MORALES PALOMINO; CRISTOBALINA BARRIGA CARRASCO; Peraldo-Bicelli,L.; Maffi-,S."CHEMICAL AND ELECTROCHEMICAL LITHIUM INSERTION INTO PBTAS3 AND SNTAS3 MISFIT LAYER COMPOUNDS.". En: 2TH ITALIAN-PORTUGUESE-SPANISH MEETING IN INORGANIC CHEMISTRY.. pp. 0 - 0.

134 Title of the work: ELECTROCHEMICAL INTERCALATION OF LITHIUM INTO TIN DICHALCOGENIDES

Name of the conference: INTERNATIONAL SYMPOSIUM ON THE REACTIVITY OF SOLIDS (1.1992.MADRID)

Type of event: Conference

Geographical area: Non EU International

Date of event: 1992

JULIAN MORALES PALOMINO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO.
"ELECTROCHEMICAL INTERCALATION OF LITHIUM INTO TIN DICHALCOGENIDES". En: 12TH
INTERNATIONAL SYMPOSIUM ON THE REACTIVITY OF SOLIDS. pp. 109 - 110.

- 135 Title of the work:** INTERCALACIÓN DE ESPECIES DONADORES DE ELECTRONES EN CALCOGENUROS CON ESTRUCTURA LAMINAR DESAJUSTADA
Name of the conference: REUNION BIENAL DE LA REAL SOCIEDAD ESPAÑOLA DE QUÍMICA (24.1992.TORREMOLINOS (MÁLAGA))

Type of event: Conference

Geographical area: National

City of event: TORREMOLINOS (MÁLAGA),

Date of event: 1992

Guzmán-,R.; LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; Pattanayak-,J.; LUIS SANCHEZ GRANADOS; JOSE LUIS TIRADO COELLO. "INTERCALACIÓN DE ESPECIES DONADORES DE ELECTRONES EN CALCOGENUROS CON ESTRUCTURA LAMINAR DESAJUSTADA". En: 24 REUNIÓN BIENAL DE LA REAL SOCIEDAD ESPAÑOLA DE QUÍMICA. 1, pp. 488 - 489.

- 136 Title of the work:** INTERCALATION REACTIONS OF 2H-SNS2
Name of the conference: GROUPE FRANÇAIS D ETUDE DE COMPOSÉS D INSERTION (1.1992.BIERVILLE (PARIS, FRANCIA))

Type of event: Conference

Geographical area: Non EU International

City of event: BIERVILLE (PARIS, FRANCIA),

Date of event: 1992

JULIAN MORALES PALOMINO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO.
"INTERCALATION REACTIONS OF 2H-SNS2". En: GROUPE FRANÇAIS D'ETUDE DE COMPOSÉS D'INSERTION. pp. 0 - 0.

- 137 Title of the work:** LITHIUM INSERTION INTO SOME SELECTED OXIDE AND CHALCOGENIDE SYSTEMS
Name of the conference: REUNION DU GROUPE FRANÇAIS D ETUDE DES COMPOSES D INSERTION (GFECI-91) (1.1991.BORDEAUX - FRANCIA)

Type of event: Conference

Geographical area: Non EU International

City of event: BORDEAUX - FRANCIA,

Date of event: 1991

CRISTOBALINA BARRIGA CARRASCO; LOURDES HERNÁN PAADÍN; PEDRO JAVIER LAVELA CABELLO; JULIAN MORALES PALOMINO; CARLOS PEREZ VICENTE; LUIS SANCHEZ GRANADOS; JOSE LUIS TIRADO COELLO. "LITHIUM INSERTION INTO SOME SELECTED OXIDE AND CHALCOGENIDE SYSTEMS". En: REUNION DU GROUPE FRANÇAIS D'ETUDE DES COMPOSES D'INSERTION (GFECI-91). 1, pp. 105 - 107.

- 138 Title of the work:** EFECTOS DE LA MODIFICACIÓN CON COBALTO EN PARTÍCULAS DE γ-FE2O3.
Name of the conference: REUNIÓN NACIONAL DE CIENCIA DE MATERIALES (3.1990.SEVILLA (ESPAÑA).)

Type of event: Conference

Geographical area: National

City of event: SEVILLA (ESPAÑA).,

Date of event: 1990

PEDRO JAVIER LAVELA CABELLO; JOSE LUIS TIRADO COELLO; JULIAN MORALES PALOMINO; CRISTOBALINA BARRIGA CARRASCO. "EFECTOS DE LA MODIFICACIÓN CON COBALTO EN PARTÍCULAS DE γ-FE2O3.". En: 3ª REUNIÓN NACIONAL DE CIENCIA DE MATERIALES. pp. 251 - 253.

- 139** **Title of the work:** REMOVAL OF ALKALI IONS POLYTUNGSTATES BY PROTONS. A METHOD FOR PREPARING TUNGSTEN OXIDE HYDRATED WITH CONTROLLED STRUCTURES
Name of the conference: ITALIAN-PORTUGUESE-SPANISH MEETING IN INORGANIC CHEMISTRY (1.1990.GANDÍA, VALENCIA, ESPAÑA)
Type of event: Conference **Geographical area:** Non EU International
City of event: GANDÍA, VALENCIA, ESPAÑA,
Date of event: 1990
LOURDES HERNÁN PAADÍN; Macías-,M.; JULIAN MORALES PALOMINO; LUIS SANCHEZ GRANADOS; JOSE LUIS TIRADO COELLO. "REMOVAL OF ALKALI IONS POLYTUNGSTATES BY PROTONS. A METHOD FOR PREPARING TUNGSTEN OXIDE HYDRATED WITH CONTROLLED STRUCTURES". En: ITALIAN-PORTUGUESE-SPANISH MEETING IN INORGANIC CHEMISTRY. 1, pp. 357 - 359.
- 140** **Title of the work:** CARACTERIZACIÓN DE LOS ÓXIDOS OBTENIDOS POR HIDRÓLISIS Y TRATAMIENTO ÁCIDO DE MFEO₂ (M: LI, NA, K)
Name of the conference: REUNION CIENTIFICA PLENARIA DE QUIMICA INORGANICA (1.1989.TOLEDO)
Type of event: Conference **Geographical area:** National
City of event: TOLEDO,
Date of event: 1989
CRISTOBALINA BARRIGA CARRASCO; JULIAN MORALES PALOMINO; CARLOS PEREZ VICENTE; JOSE LUIS TIRADO COELLO. "CARACTERIZACIÓN DE LOS ÓXIDOS OBTENIDOS POR HIDRÓLISIS Y TRATAMIENTO ÁCIDO DE MFEO₂ (M: LI, NA, K)". En: REUNIÓN CIENTÍFICA PLENARIA DE QUÍMICA INORGÁNICA. pp. 82 - 84.
- 141** **Title of the work:** MÉTODOS ALTERNATIVOS DE PREPARACIÓN DE ÓXIDOS LITIADOS DE MN, FE Y CO.
Name of the conference: REUNIÓN BIENAL DE LA R.S.E.Q (22.1988.MURCIA, ESPAÑA.)
Type of event: Conference **Geographical area:** National
City of event: MURCIA, ESPAÑA.,
Date of event: 1988
CRISTOBALINA BARRIGA CARRASCO; JOSE MARIA FERNANDEZ RODRIGUEZ; Jimenez-Mateos,Juan Miguel; LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; Navas-,J.; JOSE LUIS TIRADO COELLO; Toscano-,A.; Valera-,C."MÉTODOS ALTERNATIVOS DE PREPARACIÓN DE ÓXIDOS LITIADOS DE MN, FE Y CO.". En: XXII REUNIÓN BIENAL DE LA R.S.E.Q. 1, pp. 1 - 2.
- 142** **Title of the work:** TG AND DSC STUDIES OF LITHIUM IN LIFE508.
Name of the conference: INTERNATIONAL CONGRESS ON THERMAL ANALYSIS (9.1988.JERUSALÉN, ISRAEL)
Type of event: Conference **Geographical area:** Non EU International
City of event: JERUSALÉN, ISRAEL,
Date of event: 1988
JOSE MARIA FERNANDEZ RODRIGUEZ; JULIAN MORALES PALOMINO; Navas-,J.; JOSE LUIS TIRADO COELLO. "TG AND DSC STUDIES OF LITHIUM IN LIFE508.". En: 9TH INTERNATIONAL CONGRESS ON THERMAL ANALYSIS. 1, pp. 1 - 2.
- 143** **Title of the work:** CAMBIOS ESTRUCTURALES INDUCIDOS POR EL TRATAMIENTO TÉRMICO DE COMPUESTOS DE INSERCIÓN DE LITIO EN ÓXIDOS DE METALES DE TRANSICIÓN
Name of the conference: R.S.E.Q. GRUPO ESPECIALIZADO DE Q. INORGÁNICA. REUNIÓN CIENTÍFICA PLENARIA (1.1987.SALAMANCA, ESPAÑA.)
Type of event: Conference **Geographical area:** National
City of event: SALAMANCA, ESPAÑA.,
Date of event: 1987

JOSE MARIA FERNANDEZ RODRIGUEZ; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "CAMBIOS ESTRUCTURALES INDUCIDOS POR EL TRATAMIENTO TÉRMICO DE COMPUESTOS DE INSERCIÓN DE LITIO EN ÓXIDOS DE METALES DE TRANSICIÓN". En: R.S.E.Q. GRUPO ESPECIALIZADO DE Q. INORGÁNICA. REUNIÓN CIENTÍFICA PLENARIA. 1, pp. 1 - 2.

144 Title of the work: EFFECT OF PRELIMINARY MECHANICAL ACTIVATION ON THE THERMAL BEHAVIOUR OF ORTHORHOMBIC LEAD DIOXIDE

Name of the conference: EUROPEAN SYMP. ON THERMAL ANALYSIS AND CALORIMETRY (4.1987.JENA, ALEMANIA)

Type of event: Conference

Geographical area: Non EU International

City of event: JENA, ALEMANIA,

Date of event: 1987

JOSE LUIS TIRADO COELLO; JULIAN MORALES PALOMINO; CRISTOBALINA BARRIGA CARRASCO. "EFFECT OF PRELIMINARY MECHANICAL ACTIVATION ON THE THERMAL BEHAVIOUR OF ORTHORHOMBIC LEAD DIOXIDE". En: 4TH EUROPEAN SYMP. ON THERMAL ANALYSIS AND CALORIMETRY. pp. 20 - 21.

145 Title of the work: PREPARACIÓN Y COMPORTAMIENTO DE UNA FASE LITIADA ESTRUCTURALMENTE RELACIONADA CON G-FE₂O₃ Y LIFE₅O₈

Name of the conference: PRIMERA REUNIÓN NACIONAL DE GRUPOS DE ESTADO SÓLIDO (1.1987.MADRID, ESPAÑA)

Type of event: Conference

Geographical area: National

Date of event: 1987

CRISTOBALINA BARRIGA CARRASCO; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "PREPARACIÓN Y COMPORTAMIENTO DE UNA FASE LITIADA ESTRUCTURALMENTE RELACIONADA CON G-FE₂O₃ Y LIFE₅O₈". En: PRIMERA REUNIÓN NACIONAL DE GRUPOS DE ESTADO SÓLIDO. 47, pp. 120 - 121.

146 Title of the work: PREPARACIÓN Y DESCOMPOSICIÓN MECANOQUÍMICA DE FERRITAS DE LITIO
Name of the conference: PRIMERA REUNIÓN NACIONAL DE GRUPOS DE ESTADO SÓLIDO (GES-1) (1.1987.EL ESCORIAL, MADRID, ESPAÑA)

Type of event: Conference

Geographical area: National

City of event: EL ESCORIAL, MADRID, ESPAÑA,

Date of event: 1987

JOSE MARIA FERNANDEZ RODRIGUEZ; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "PREPARACIÓN Y DESCOMPOSICIÓN MECANOQUÍMICA DE FERRITAS DE LITIO". En: PRIMERA REUNIÓN NACIONAL DE GRUPOS DE ESTADO SÓLIDO (GES-1). 1, pp. 1 - 2.

147 Title of the work: TG AND DSC STUDIES OF LITHIUM INSERTION TRANSITION METAL OXIDE COMPOUNDS.

Name of the conference: ESTAC 4 (1.1987.JENA, REPUBLICA DEMOCRÁTICA DE ALEMANIA)

Type of event: Conference

Geographical area: Non EU International

City of event: JENA, REPUBLICA DEMOCRÁTICA DE ALEMANIA,

Date of event: 1987

JOSE MARIA FERNANDEZ RODRIGUEZ; LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "TG AND DSC STUDIES OF LITHIUM INSERTION TRANSITION METAL OXIDE COMPOUNDS.". En: ESTAC 4. 1, pp. 1 - 2.

148 Title of the work: EFECTOS DE TRATAMIENTO MECÁNICO EN EL COMPORTAMIENTO TÉRMICO DEL DIÓXIDO DE PLOMO

Name of the conference: S.E.C.V. (26.1986.CÓRDOBA, ESPAÑA)

Type of event: Conference

Geographical area: Non EU International

City of event: CÓRDOBA, ESPAÑA,

Date of event: 1986

CRISTOBALINA BARRIGA CARRASCO; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "EFECTOS DE TRATAMIENTO MECÁNICO EN EL COMPORTAMIENTO TÉRMICO DEL DIÓXIDO DE PLOMO". En: XXVI S.E.C.V.. 0, pp. 11 - 13.

149 Title of the work: FORMACIÓN DE LA FERRITA DE LITIO A PARTIR DE LiFeO_2 - FeOOH Y Li_2CO_3 . INFLUENCIA DE LA CRISTALINIDAD DE LOS REACTIVOS

Name of the conference: REUNIÓN ANUAL DE LA SOCIEDAD ESPAÑOLA DE CERÁMICA Y VIDRIO (26.1986.CÓRDOBA, ESPAÑA)

Type of event: Conference

Geographical area: National

City of event: CÓRDOBA, ESPAÑA,

Date of event: 1986

JOSE MARIA FERNANDEZ RODRIGUEZ; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "FORMACIÓN DE LA FERRITA DE LITIO A PARTIR DE LiFeO_2 - FeOOH Y Li_2CO_3 . INFLUENCIA DE LA CRISTALINIDAD DE LOS REACTIVOS". En: XXVI REUNIÓN ANUAL DE LA SOCIEDAD ESPAÑOLA DE CERÁMICA Y VIDRIO. 1, pp. 1 - 2.

150 Title of the work: INFLUENCIA DEL TRATAMIENTO MECÁNICO EN EL SISTEMA DE FASES DEL Na_2SO_4

Name of the conference: REUNIÓN ANUAL DE LA SOCIEDAD ESPAÑOLA DE CERÁMICA Y VIDRIO (26.1986.CÓRDOBA, ESPAÑA)

Type of event: Conference

Geographical area: National

City of event: CÓRDOBA, ESPAÑA,

Date of event: 1986

JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO; MARIA ANGELES ULIBARRI CORMENZANA. "INFLUENCIA DEL TRATAMIENTO MECÁNICO EN EL SISTEMA DE FASES DEL Na_2SO_4 ". En: XXVI REUNIÓN ANUAL DE LA SOCIEDAD ESPAÑOLA DE CERÁMICA Y VIDRIO. 0, pp. 30 - 32.

151 Title of the work: PARÁMETROS ESTRUCTURALES: SU INTERÉS EN LA INTERPRETACIÓN DE LA REACTIVIDAD DE SÓLIDOS POLICRISTALINOS.

Name of the conference: REUNIÓN PLENARIA NACIONAL 1985 DE QUÍMICA INORGÁNICA (1.1985.BAEZA, JAÉN, ESPAÑA.)

Type of event: Conference

Geographical area: National

City of event: BAEZA, JAÉN, ESPAÑA.,

Date of event: 1985

CRISTOBALINA BARRIGA CARRASCO; JOSE MARIA FERNANDEZ RODRIGUEZ; Gomez-Villacieros, Rosario; LOURDES HERNÁN PAADÍN; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "PARÁMETROS ESTRUCTURALES: SU INTERÉS EN LA INTERPRETACIÓN DE LA REACTIVIDAD DE SÓLIDOS POLICRISTALINOS.". En: REUNIÓN PLENARIA NACIONAL 1985 DE QUÍMICA INORGÁNICA. 0, pp. 0 - 4.

152 Title of the work: EVOLUCIÓN DE LA CRISTALINIDAD Y EFECTOS TÉRMICOS EN MUESTRAS DE VALERITA MOLIDA

Name of the conference: REUNIÓN BIENAL R.S.E.Q. (20.1984.CASTELLON, ESPAÑA)

Type of event: Conference

Geographical area: Non EU International

City of event: CASTELLON, ESPAÑA,

Date of event: 1984

CRISTOBALINA BARRIGA CARRASCO; JULIAN MORALES PALOMINO; JOSE LUIS TIRADO COELLO. "EVOLUCIÓN DE LA CRISTALINIDAD Y EFECTOS TÉRMICOS EN MUESTRAS DE VALERITA MOLIDA". En: XX REUNIÓN BIENAL R.S.E.Q.. 7, pp. 13 - 14.



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

Title of the work: INFLUENCIA DE LAS NUEVAS FORMAS DE CARBONO SOBRE LAS BATERÍAS DE IÓN LITIO

Name of the event: TECNOLOGÍA DE MATERIALES DE CARBONO () (.2004.OVIEDO)

Type of event: Seminar

City of event: OVIEDO,

Date of event: 2004

JOSE LUIS TIRADO COELLO.

Other dissemination activities

- 1** **Title of the work:** Lithium- and sodium-ion microbatteries based on titanium oxide anodes.
Name of the event: AR- Seminars
Type of event: Conferences given
City of event: Sevilla,
Date of event: 26/06/2015
Organising entity: Abengoa Research and Universidad Loyola Andalucía
José Luis Tirado Coello.
- 2** **Title of the work:** Applications of Mössbauer spectroscopy in the study of advanced electrode materials for lithium-ion batteries
Name of the event: 556. WE-Heraeus-Seminar on: Analytical Tools for Fuel Cells and Batteries
Type of event: Conferences given
Date of event: 2014
JOSE LUIS TIRADO COELLO.
- 3** **Title of the work:** Soluciones de nanotecnología para la batería de ion Litio
Name of the event: CON CIENCIA EN LA ENERGÍA
Type of event: Conferences given
City of event: OVIEDO,
Date of event: 2011
JOSE LUIS TIRADO COELLO.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: Comité Editorial de la revista Journal of Solid State Electrochemistry (Springer)

Affiliation entity: Springer-Verlag

City affiliation entity: Germany

Start date: 01/07/2000

Organization of R&D activities

- 1** **Title of the activity:** Miembro de comité científico de congreso
Geographical area: Non EU International
City of event: Bilbao,
Convening entity: ABAA8
Start date: 01/01/2015
- 2** **Title of the activity:** Miembro de comité científico de congreso LIBD2015
Convening entity: LIBD7
City convening entity: Burdeos, France
Start date: 01/01/2015
- 3** **Title of the activity:** Miembro de comité científico de congreso LIBD2013
Geographical area: Non EU International
City of event: Burdeos (Francia),
Convening entity: LIBD6
Type of participation: Organiser
Start date: 01/01/2013 **Duration:** 325 days
- 4** **Title of the activity:** Miembro de comité científico del congreso 1st Symposium on Na batteries
Geographical area: Non EU International
City of event: VITORIA (ESPAÑA),
Convening entity: 1st Symposium on Na batteries
Type of participation: Organiser
Start date: 01/01/2013 **Duration:** 311 days
- 5** **Title of the activity:** Miembro del comité científico del congreso: Nanouco IV
Type of activity: null **Geographical area:** National
City of event: - UNIVERSIDAD DE CÓRDOBA (ESPAÑA),
Convening entity: Universidad de Córdoba (España)
Start date: 01/01/2013 **Duration:** 317 days
- 6** **Title of the activity:** Miembro del Comité Científico del Congreso QIES12
Geographical area: National
City of event: Girona,
Convening entity: QIES12
Type of participation: Organizador

**Start date:** 13/01/2012**Duration:** 173 days**7 Title of the activity:** Nanouco III**Type of activity:** null**City of event:** -CÓRDOBA, ESPAÑA,**Type of participation:** Organizador**Start date:** 10/02/2011**Geographical area:** Regional**Duration:** 1 day**8 Title of the activity:** MIEMBRO DEL COMITÉ CIENTÍFICO DE LiBD 2011 - Lithium Batteries Discussion 2011**Type of activity:** null**City of event:** ARCACHON, BOURDEAUX (FRANCE),**Type of participation:** Organizador**Start date:** 03/01/2011**9 Title of the activity:** MIEMBRO DEL COMITÉ CIENTÍFICO DEL CONGRESO LiBD 2009 - Lithium Batteries Discussion 2009**Type of activity:** null**City of event:** ARCACHON, BORDEAUX (FRANCE),**Start date:** 05/01/2009**R&D management****1 Name of the activity:** Miembro del panel de expertos en H2020**Type of management:** Management of R&D&I actions and projects**Entity:** Comisión Europea**Type of entity:** 1**Start date:** 01/06/2014**2 Name of the activity:** Miembro del panel de expertos de la ANR**Entity:** Agence National de la Recherche, Francia**Start date:** 01/01/2010**3 Name of the activity:** Miembro del panel de expertos en FP7- Nanosciences, Nanotechnologies, Materials and new Production Technologies - 2010**Type of management:** Management of R&D&I actions and projects**Entity:** Comisión Europea**Type of entity:** 1**Start date:** 01/01/2010**4 Name of the activity:** Miembro de la Comisión de evaluación Ramón y Cajal y Juan de la Cierva 2009**Entity:** Agencia Nacional de Evaluación y Prospectiva**Type of entity:** 1**Start date:** 01/01/2009**5 Name of the activity:** Miembro del panel de expertos de la ANECA**Entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación**Start date:** 20/06/2008



- 6** **Name of the activity:** Director de grupo de investigación andaluz
Type of management: Group management
Performed tasks: Gestión de I+D+i del grupo FQM288 de PAIDI
Entity: Junta de Andalucía **Type of entity:** 1
Start date: 20/01/2001
- 7** **Name of the activity:** Miembro de la Comisión para la selección de proyectos de I+D en el marco del programas nacional de Materiales, Área de Nanomateriales y Materiales Funcionales, dentro del Plan Nacional de Investigación Científica, Desarrollo e Innovación Tecnológica
Type of management: Management of R&D&I actions and projects
Entity: Ministerio de Ciencia e Innovación **Type of entity:** 1

Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Evaluación de 5 proyectos ANR
Entity where activity was carried out: Agence Nationale de la Recherche (Francia) **Type of entity:** State agency
Start-End date: 01/04/2012 - 28/04/2015
- 2** **Name of the activity:** Evaluación de 15 proyectos de I+D+i
Performed tasks: Evaluación de 4 proyectos FP6, 6 FP7 y 5 H2020
Entity where activity was carried out: Comisión Europea **Type of entity:** 1
City of entity: Bruselas, Belgium
Start-End date: 01/01/2005 - 31/01/2015
- 3** **Name of the activity:** Programa de colaboración con Japón
Performed tasks: Evaluación de 10 proyectos MICINN-JST
Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** 1
Start-End date: 13/07/2010 - 20/08/2010
- 4** **Name of the activity:** Evaluación de 4 proyectos Stock-E (Francia)
Performed tasks: Evaluación de 4 proyectos Stock-E (Francia)
Entity where activity was carried out: STOCKAGE DE L'ENERGIE (Francia)
Start-End date: 24/04/2008 - 30/05/2009
- 5** **Name of the activity:** Miembro del panel de expertos de la ANECA
Performed tasks: Evaluación de 78 solicitudes de acreditación de CU y PTU
Entity where activity was carried out: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** 1
Start date: 20/06/2008
- 6** **Name of the activity:** Colaborador de la anep en la evaluación de proyectos de investigación
Performed tasks: Evaluador de 67 proyectos de investigación
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** 1
Start date: 02/01/2006



- 7 Performed tasks:** Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT) de Argentina: 1 proyecto
- 8 Performed tasks:** CARNOT: Programme Interdisciplinaire Energie du CNRS (Francia): 1 proyecto
- 9 Performed tasks:** International Science Foundation (USA): 1 proyecto
- 10 Performed tasks:** KSEF: Kentucky Science and Engineering Foundation (USA): 1 proyecto
- 11 Performed tasks:** Revisión de unos 1000 artículos de distintas revistas SCI
- 12 Performed tasks:** Swiss National Science Foundation (SNSF): 1 proyecto
- 13 Performed tasks:** US Department of Energy (USA): 1 proyecto
- 14 Performed tasks:** International Institute of Chemistry (Ljubljana, Eslovenia): una evaluación

Other achievements

Stays in public or private R&D centres

Entity: Cambridge University,

Type of entity: University

Faculty, institute or centre: Department of Chemistry

City of entity: Cambridge, United Kingdom

Start date: 1987

Goals of the stay: Post-doctoral

Editorial councils

Name of the editorial council: Journal of Solid State Electrochemistry

Affiliation entity: Springer-Verlag, Germany

Type of entity: Business

City affiliation entity: Berlin, Germany

Start date: 01/01/2000