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EUSKO JAURLARITZA

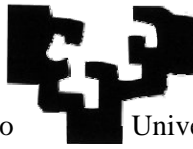


GOBIERNO VASCO

HEZKUNTZA, UNIBERTSITATE
ETA IKERKETA SAILA

DEPARTAMENTO DE EDUCACION,
UNIVERSIDADES E INVESTIGACION

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Universidad del
País Vasco

Curriculum vitae Standardized form

Total number of pages: 35

Name: **VIRGINIA MARTÍNEZ MARTÍNEZ**

Date: May 2018

PERSONAL DATA

Family name: MARTÍNEZ MARTÍNEZ Forename: VIRGINIA
ID/Passport no: 72091440X Date of birth : 07/05/1978 Gender: F
Nationality: SPAIN

PRESENT PROFESSIONAL POSITION

Institution: UNIVERSIDAD DEL PAÍS VASCO UPV/EHU
Faculty, School or Institute: FACULTAD DE CIENCIA Y TECNOLOGÍA
Department: QUÍMICA FÍSICA
Address: Apartado 644
Post Cod: 48080 Province: Bilbao
Country: Spain

Telephone (indicate prefix, number and extension): 94 601 59 69
Fax: 94 601 35 00
E-mail: virginia.martinez@ehu.es

Field of study (UNESCO codes): 23
Profesional status: Permanent Researcher Start date: : 17/01/2018

Administrative status

X Permanent Staff Hired on contracts Acting Fellowship holder

Full-time X

PRESENT RESEARCH AREA

Brief summary (key words).

Nanostructures materials, hybrid systems, Laser dyes, photosensitizers, Molecular Spectroscopy, Fluorescence Microscopy, Photophysics, singlet oxygen,

ACADEMIC BACKGROUND

<i>Bachelor</i>	<i>Centre</i>	<i>Date</i>
CHEMISTRY	Facultad de Ciencia y Tecnología, UPV/EHU	June 2001

<i>Ph.D.</i>	<i>Centre</i>	<i>Thesis Supervisor</i>	<i>Date</i>
SCIENCE	Facultad de Ciencia y Tecnología, UPV/EHU	Prof. Fernando López Arbeloa and Prof. Iñigo López Arbeloa	December 2005

PAST SCIENTIFIC EXPERIENCE (*)

<i>Position</i>	<i>R&D Centre</i>	<i>Institution (**)</i>	<i>Start date</i>	<i>End date</i>
Predocctoral student (FPU)	Universidad del País Vasco, UPV/EHU		01/2001	12/2005
<i>Postdoctoral Researcher</i>	Universidad del País Vasco, UPV/EHU		01/2006	06/2006
<i>Postdoctoral Researcher</i>	Katholieken Universiteit van Leuven (Belgium)		07/2006	08/2008
<i>Postdoctoral Researcher</i>	Universidad del País Vasco, UPV/EHU		09/2008	08/2010
<i>Contract Researcher</i>	Universidad del País Vasco, UPV/EHU		09/2010	02/2012
<i>Maternity Leave</i>			09/2011	02/2012
<i>Ramón y Cajal Researcher</i>	Ministerio de Ciencia e Innovación	Universidad del País Vasco, UPV/EHU	02/2012	01/2018
<i>Maternity Leave</i>			06/2014	10/2014
<i>Permanent researcher</i>	Universidad del País Vasco, UPV/EHU		01/2018	---

(*) The information contained in this chart will be used to verify the placement requirements, according to the Call.

(**) If the Institution is a "joint centre", you should specify all the centres involved in running it.

LANGUAGES (N = NORMAL, G = GOOD, P = PERFECTLY)

<i>Language</i>	<i>Speaking</i>	<i>Reading</i>	<i>Writing</i>
<i>English*</i>	<i>P</i>	<i>P</i>	<i>P</i>

*TOPTULTE Certificate (*Test of performance for teaching at university level through the medium of English*).

PARTICIPATION IN RESEARCH PROJECTS

20.-PROJECT TITLE: Synthesis of nanocarriers and computationally-aided photophysical characterization of multifunctional dyes and materials for biophotonic applications.

FINANTIAL ENTITY: MAT2017-83856-C3-3-P

FROM: 01/01/2018 TO: 31/12/2021 BUDGET: 108.900 €

PRINCIPAL INVERTIGATOR: V. Martínez Martínez and Jorge Bañuelos Prieto

NUMBER OF PARTICIPANTS: 5

19.-PROJECT TITLE: Espectrofotómetro Infrarrojo Medio y Lejano de Transformada de Fourier

FINANTIAL ENTITY: Infraestructura UPV-EHU (INF17/52)

FROM: 01/01/2018 TO: 31/12/2018 BUDGET: 35.388€

PRINCIPAL INVERTIGATOR: Iñigo López Arbeloa

NUMBER OF PARTICIPANTS: 5

18.-PROJECT TITLE: Multifunctional Hybrid Systems for theranosis, fotonics and energy applications: Synthesis, Characterization and atomistic simulations (Grupos consolidados del Sistema Universitario Vasco)

FINANTIAL ENTITY: GV/EA (IT912-16)

FROM: 01/01/2016 TO: 31/12/2021 BUDGET: 270.000 €

PRINCIPAL INVERTIGATOR: I. López Arbeloa

NUMBER OF PARTICIPANTS: 5

17.-PROJECT TITLE: Synthesis, atomistic simulation, and photo-physical characterisation of hybrid nanostructured materials for photonic and biophotonic applications

FINANTIAL ENTITY: MAT2014-51937-C3-3-P

FROM: 01/01/2015 TO: 31/12/2017 BUDGET: 84.000 €

PRINCIPAL INVERTIGATOR: V. Martínez Martínez and I. López Arbeloa

NUMBER OF PARTICIPANTS: 4

16.-PROJECT TITLE: UV-VIS-NIR absorption

FINANTIAL ENTITY: Infraestructura UPV-EHU (INF14/31)

FROM: 01/01/2014 TO: 31/12/2014 BUDGET: 47.776,77€

PRINCIPAL INVERTIGATOR: Iñigo López Arbeloa

NUMBER OF PARTICIPANTS: 8

15.-PROJECT TITLE: Flash Photolysis

FINANTIAL ENTITY: FEDER (UNPV13-4E-1862)

FROM: 01/01/2013 TO: 31/12/2013 BUDGET: 65.000 €

PRINCIPAL INVERTIGATOR: Iñigo López Arbeloa

NUMBER OF PARTICIPANTS: 6

14.-PROJECT TITLE: Singlet Oxygen Determination in Hybrid Materials.

FINANTIAL ENTITY: Universidad del País Vasco, UPV-EHU, and Université de Pau et des Pays de l'Adour, UPPA.

FROM: 01/12/2012 TO: 01/12/2013 BUDGET: 6.000 €

PRINCIPAL INVERTIGATOR: V. Martínez Martínez

NUMBER OF PARTICIPANTS: 7

13.-PROJECT TITLE: Design and characterization of multifunctional nanostructured hybrid materials for optoelectronics devices

FINANTIAL ENTITY: MICINN (financiación extra del contrato Ramón y Cajal)

FROM: 02/2012 TO: 02/2014 BUDGET: 15.000€

PRINCIPAL INVERTIGATOR: V. Martínez Martínez

NUMBER OF PARTICIPANTS: 2

12.-PROJECT TITLE: Energías renovables, Pilas de combustibles y Baterías, una cadena de valor

FINANTIAL ENTITY: Consejería de Industria e Innovación del Gobierno Vasco (Saiotek S-PE12UN140)

FROM: 01/01/2012 TO: 31/12/2013 BUDGET: 22.494,67 €

PRINCIPAL INVERTIGATOR: Luis María Lezama Diago

11.-PROJECT TITLE: MANATEC materiales nanoestructurados de interés tecnológico y biomédico

FINANTIAL ENTITY: unidades de formación de UPV-EHU (UF111/5)

FROM: 01/11/2011 TO: 31/12/2016 BUDGET: 70.574,29 €

PRINCIPAL INVERTIGATOR: Luis María Lezama Diago

10.-PROJECT TITLE: high sensitivity fluorimeter with ps temporal resolution

FINANTIAL ENTITY: Gobierno Vasco/EA infraestructura (GVINF11/06)

FROM: 01/01/2011 TO: 31/12/2011 BUDGET: 145.200 €

PRINCIPAL INVERTIGATOR: Iñigo López Arbeloa

NUMBER OF PARTICIPANTS: 6

9.-PROJECT TITLE: Grupos de Investigación del Sistema Universitario Vasco

FINANTIAL ENTITY: GV/EA (IT339-10)

FROM: 01/01/2010 TO: 31/12/2015 BUDGET: 426.000 €

PRINCIPAL INVERTIGATOR: I. López Arbeloa

NUMBER OF PARTICIPANTS: 6

8.-PROJECT TITLE Caracterización fotofísica y modelización cuántica de colorantes láser en medios homogéneos, materiales nanométricos y encapsulados en nanocanales

FINANTIAL ENTITY: MICINN (MAT 2010-20646-C04-04)

FROM: 01/01/2011 TO: 31/12/2013 BUDGET: 120.000€

PRINCIPAL INVERTIGATOR: I. López Arbeloa

NUMBER OF PARTICIPANTS: 4

7.-PROJECT TITLE: Modelización, Estudio Espectroscópico y Fotofísica de Colorantes Láser en la región Azul y Roja y en Diversos Medios
FINANCIAL ENTITY: Ministerio de Educación y Ciencia (MAT2207-65778-C02-02)
FROM: 01/10/2007 TO: 03/08/2010 BUDGET: 145.200 €
PRINCIPAL INVESTIGATOR: F. López Arbeloa
NUMBER OF PARTICIPANTS: 5

6-PROJECT TITLE: Investigation in (Bio)Molecular Dynamics
FINANCIAL ENTITY: BOF-Katholieke Universiteit Leuven KUL (3E040750-ZKB4266-GOA/2006/02)
FROM: 01/01/2006 TO: 31/12/2010 BUDGET: 1.425.000 €
PRINCIPAL INVESTIGATOR: M. van der Auweraer
CO-INVERTIGATORS: J. Hofkens and S. de Feyter

5.-PROJECT TITLE: Centre of Excellence in Catalytic Science
FINANCIAL ENTITY: DEFIS-Katholieke Universiteit van Leuven KUL (3E051118-ZKB4853-EF/05/009)
FROM: 01/1/2005 TO: 31/1/2010 BUDGET: 1.500.000 €
PRINCIPAL INVESTIGATOR: J. Martens
CO-INVERTIGATORS: J. Hofkens and D. De Vos

4-PROJECT TITLE: Grupo de Investigación: Laboratorio de Espectroscopía Molecular
FINANCIAL ENTITY: Universidad del País Vasco - EHU (GIU06/80)
FROM: 01/01/2007 TO: 31/12/2009 BUDGET: 119.331 €
PRINCIPAL INVESTIGATOR: I. López Arbeloa
NUMBER OF PARTICIPANTS: 6

3.- TITLE: Modelización y Caracterización Fotofísica de Nuevos Colorantes Láser en Fase Líquida y Sólida y en Materiales Laminares Nanoestructurados.
FINANCIAL ENTITY: Universidad del País Vasco - EHU (9/UPV 00039.310-15264/2003)
FROM: 1/12/2004 TO: 1/12/2007 BUDGET: 156.300 €
PRINCIPAL INVESTIGATOR: I. López Arbeloa
NUMBER OF PARTICIPANTS: 5

2.-PROJECT TITLE: Estudio Espectroscópico de la Adsorción de Sistemas Aromáticos en Nanopartículas
FINANCIAL ENTITY: Universidad del País Vasco - EHU (GIU06/80)
FROM: 01/09/2003 TO: 31/09/2006 BUDGET: 24.500 €
PRINCIPAL INVESTIGATOR: I. López Arbeloa
NUMBER OF PARTICIPANTS: 5

1.-PROJECT TITLE: *Determinación de las Propiedades Fotofísicas de Colorantes de Laseo.*
FINANCIAL ENTITY: *Ministerio de Ciencia y Tecnología (MAT2000-1361-C04-02)*
FROM: 13/09/2003 TO: 13/09/2006 BUDGET: 67.914 €PRINCIPAL
INVESTIGATOR: *I. López Arbeloa*
NUMBER OF PARTICIPANTS: 5

PUBLICATIONS

Indicate volume, first and last page (year) and Key.

Key: B= full book, CB.= chapter of book, A= article, R= review, E= editor

(*) Those publications in process and not yet published, just specify publication status. (**) Optionally specify the most important aspects of each publication to assess quality (e.g. journal impact index, journal position on lists of the corresponding fields, cites received or other repercussion indicators)

63.-AUTHORS (in order of authorship): Alberto Blázquez-Moraleja, Delia Álvarez-Fernández, Ruth Prieto Montero, Inmaculada García-Moreno, Virginia Martínez-Martínez,* Jorge Bañuelos Prieto, Inés Sáenz-de-Santa-María, María D. Chiara, and Jose Luis Chiara*

TITLE: A General Modular Approach for the Solubility Tagging of BODIPY Dyes

JOURNAL/BOOK: Dyes and Pigments KEY: A

DATE OF PUBLICATION: 2019 VOL.170 pg: 107545 (1-11)

MOST OUTSTANDING ASPECTS (**): I.F.:3.767 ranking (Chem., Applied): 11/72(Q1)

ISSN: 0143-7208

62.-AUTHORS (in order of authorship): Rebeca Sola-Llano, Leire Gartzia-Rivero, Ainhoa Olliden-Sánchez, Jorge Bañuelos, Iñigo López Arbeloa, Virginia Martínez-Martínez*

TITLE: Dye encapsulation into one-dimensional zeolitic materials for optical applications

BOOK: Chemistry of Silica and Zeolite-based Materials: Synthesis, Characterization and Applications"

KEY: CB

DATE OF PUBLICATION: 2019

MOST OUTSTANDING ASPECTS (**): Elsevier, Abderrazzak Douhal and Masakazu Anpo (Edts.), principal cover of the book made by our group

ISSN (online): 9780128178133

61.-AUTHORS (in order of authorship): Ismael J. Arroyo-Córdoba, Rebeca Sola-Llano, Nerea Epelde-Elezcano, Iñigo López Arbeloa, Virginia Martínez-Martínez,* and Eduardo Peña-Cabrera.*

TITLE: A Fully Functionalizable β - β' BODIPY Dimer. Synthesis, Structure, and Photophysical Signatures

JOURNAL/BOOK: The Journal of Organic Chemistry KEY: A

DATE OF PUBLICATION: 2018 VOL. 83 pg: 10186-10196

MOST OUTSTANDING ASPECTS (**): 4.805 ranking (Chemistry, organic): 9/57 (Q1)

ISSN (online): 0022-3263

60.-AUTHORS (in order of authorship): Ainhoa Olliden-Sánchez, Rebeca Sola-Llano, Iñigo López-Arbeloa and Virginia Martínez-Martínez*

TITLE: Enhancement of NIR emission by tight confinement of hemicyanine dye within zeolitic MgAPO-5 nanochannels

JOURNAL/BOOK: Photochemical & Photobiological Sciences KEY: A

DATE OF PUBLICATION: 2018 VOL. 17 pg: 917 - 922

MOST OUTSTANDING ASPECTS (**): 2.344 ranking (Chemistry, Physical): 75/146(Q3)

ISSN (online): 1474-905X

59.-AUTHORS (in order of authorship): Rebeca Sola-Llano, Virginia Martínez-Martínez *, Shuhei Furukawa, Yohei Takashima, Iñigo López-Arbeloa
TITLE: Tuning light emission towards white light from a naphthalenediimide-based entangled metal-organic framework by mixing aromatic guest molecules
JOURNAL/BOOK: Polymers KEY: A
DATE OF PUBLICATION: 2018 VOL. 10 pg: 1-9
MOST OUTSTANDING ASPECTS (**): I.F.: 3.364 ranking (Polymer Science):16/81(Q1)
ISSN (online): 2073-4360

58.-AUTHORS (in order of authorship): Raúl Montero*, Virginia Martínez-Martínez*, Asier Longarte, Nerea Epelde-Elezcano, Eduardo Palao, Iker Lamas, Hegoi Manzano, Antonia R. Agarrabeitia, Iñigo López Arbeloa, Maria J. Ortiz and Inmaculada Garcia-Moreno
TITLE: Singlet Fission Mediated Photophysics of BODIPY Dimers
JOURNAL/BOOK: J. Phys. Chem. Lett KEY: A
DATE OF PUBLICATION: 2018 VOL. 9 pg: 641-646
MOST OUTSTANDING ASPECTS (**): I.F.: 9.353 ranking (Chemistry, Physical):14/146(Q1)
(Mater. Sci, Multidisciplinary):16/273(Q1)
ISSN (online): 1948-7185

57.-AUTHORS (in order of authorship): S. Belušáková, R. Sola-Llano, I. Lopez Arbeloa, V. Martínez-Martínez, * J. Bujdák*
TITLE: Resonance Energy Transfer between Dye Molecules in Hybrid Films of a Layered Silicate, Including the Effect of Dye Concentration thereon
JOURNAL/BOOK: Applied Clay Science KEY: A
DATE OF PUBLICATION: 2018 VOL.155 pg: 57-64
MOST OUTSTANDING ASPECTS (**): I.F.: 3.101, highlighted as feature a in Materials today (8th October 2018, <https://www.materialstoday.com/materials-chemistry/features/resonance-energy-transfer-between-dye>)
ranking (Mat Sci., Multidisciplinary):68/275(Q1)
ISSN (online): 0169-1317

56.-AUTHORS (in order of authorship): Rebeca Sola-Llano, Yasuhiko Fujita, Luis Gómez-Hortigüela, Almudena Alfayate, Hiroshi Uji-i, Eduard Fron, Shuichi Toyouchi, Joaquín Pérez-Pariente, Iñigo López-Arbeloa, Virginia Martínez-Martínez*
TITLE: One-directional Antenna systems: Energy transfer from monomers to J-Aggregates within 1D nanoporous aluminophosphates
JOURNAL/BOOK: ACS Photonics KEY: A
DATE OF PUBLICATION: 2018 VOL. 5 pg: 151-157
MOST OUTSTANDING ASPECTS (**): I.F.: 6.756 ranking (Mat Sci., Multidisciplinary):28/275(Q1)
(nanoscience, nanotech): 15/87 (Q1)
ISSN (online): 2330-4022

55.-AUTHORS (in order of authorship): Eduardo Palao, Ruth Prieto-Montero, Alejandro Prieto-Castañeda, Nerea Epelde-Elezcano, Antonia R. Agarrabeitia, Florencio Moreno, Beatriz L. Maroto, Virginia Martínez-Martínez*, Santiago de la Moya, * María J. Ortiz*

TITLE: Exploring BODIPY meso-enamines as singlet-oxygen photosensitizers for PDT.

JOURNAL/BOOK: Sciforum Electronic Conference Series

KEY: A

DATE OF PUBLICATION: 2017

VOL. 21

pg: 04785

ISSN (Online): 2504-3900

*54.-AUTHORS (in order of authorship): E. Palao, R. Sola-Llano, A. Tabero, H. Manzano, A. R. Agarrabeitia, A. Villanueva, I. López-Arbeloa, V. Martínez-Martínez, * M. J. Ortiz**

TITLE: AcetylacetonateBODIPY-biscyclometalated Iridium(III) complexes: Effective strategy towards smarter fluorescent-photosensitizer agents

JOURNAL/BOOK: Chem Eur J

KEY: A

DATE OF PUBLICATION: 2017

VOL. 23

pg: 10139-10147

*MOST OUTSTANDING ASPECTS (**): I.F.: 5.771*

ranking (Chem., Multidisciplinary): 24/163(Q1)

ISSN (Online): 1521-3765

*53.-AUTHORS (in order of authorship): Nerea Epelde-Elezcano, Ruth Prieto-Montero, Virginia Martínez-Martínez, * María J. Ortiz, Alejandro Prieto-Castañeda, Eduardo Peña-Cabrera, José L. Belmonte-Vázquez, Iñigo López-Arbeloa, Ross Brown, Sylvie Lacombe**

TITLE: Adapting BODIPYs to singlet oxygen production on silica nanoparticles

JOURNAL/BOOK: PCCP

KEY: A

DATE OF PUBLICATION: 2017

VOL. 19

pg: 13746-13755

*MOST OUTSTANDING ASPECTS (**): I.F.: 4.449*

ranking (chemical, physics): 32/144(Q1)

ISSN (Online): 1463-9076

52.-AUTHORS (in order of authorship): Silvia Belušáková, Virginia Martínez-Martínez, Iñigo López Arbeloa, Juraj Bujdak

TITLE: Resonance Energy Transfer between Dye Molecules in Colloids of a Layered Silicate. The Effect of Dye Surface Concentration

JOURNAL/BOOK: J Phys Chem C

KEY: A

DATE OF PUBLICATION: 2017

VOL. 121

pg: 8300-8309

*MOST OUTSTANDING ASPECTS (**): I.F.: 4.509*

*ranking : (chemistry, physical) 30/144(Q1)
(materials science) 40/271 (Q1)*

ISSN: 1932-7447

51.-AUTHORS (in order of authorship): G. Durán-Sampedro, N. Epelde-Elezcano, V. Martínez-Martínez, I. Esnal, J. Bañuelos, I. García-Moreno, A. R. Agarrabeitia, S. de la Moya, A. Tabero, A. Lazaro-Carrillo, A. Villanueva, M. J. Ortiz and I. López-Arbeloa

TITLE: A versatile fluorescent molecular probe endowed with singlet oxygen generation under white-light photosensitization

JOURNAL/BOOK: Dyes and Pigments

KEY: A

DATE OF PUBLICATION: 2017

VOL. 142

pg: 77-87

*MOST OUTSTANDING ASPECTS (**): I.F.: 4.055*

ranking (Chem., Applied): 6/72(Q1)

ISSN: 0143-7208

50.-AUTHORS (in order of authorship): Nerea Epelde-Elezcano, Eduardo Palao, Hegoi Manzano, Alejandro Prieto-Castañeda, Antonia R. Agarrabeitia, Andrea Tabero, Ángeles Villanueva, Santiago de la Moya, Iñigo López-Arbeloa, Virginia Martínez-Martínez* and María J. Ortiz*

TITLE: Advanced photosensitizers based on orthogonal BODIPY dimers: Rational design to finely modulate singlet oxygen generation

JOURNAL/BOOK: Chem Eur J

KEY: A

DATE OF PUBLICATION: 2017 VOL. 23 pg: 4837-4848

MOST OUTSTANDING ASPECTS (**): I.F.: 5.771 ranking (Chem., Multidisciplinary): 24/163(Q1)

ISSN (Online): 1521-3765

49.-AUTHORS (in order of authorship): Rebeca Sola-Llano, Virginia Martínez-Martínez*, Yasuhiko Fujita, Luis Gómez-Hortigüela, Almudena Alfayate, Hiroshi Uji-i, Eduard Fron, Joaquín Pérez-Pariente, Iñigo López-Arbeloa

TITLE: Non-Linear Optical Host-Guest Hybrid Materials by Tight Confinement of LDS 722 into Aluminophosphate 1D-Nanopores

JOURNAL/BOOK: Chem Eur J

KEY: A

DATE OF PUBLICATION: 2016 VOL. 22 pg: 15700-15711

MOST OUTSTANDING ASPECTS (**): I.F.: 5.771 ranking (Chem., Multidisciplinary): 24/163(Q1)

ISSN (Online): 1521-3765

48.-AUTHORS (in order of authorship): Nerea Epelde-Elezcano, Virginia Martínez-Martínez*, Eduardo Peña-Cabrera, César F. A. Gómez-Durán, Iñigo López Arbeloa, Sylvie Lacombe

TITLE: Modulation of singlet oxygen generation in halogenated BODIPY dyes by substitution at their meso position: towards a solvent-independent standard in the Vis region

JOURNAL/BOOK : RSC Advances

KEY: A

DATE OF PUBLICATION: 2016 VOL. 6 pg: 41991-41998

MOST OUTSTANDING ASPECTS (**): I.F.: 3.84 ranking (chemistry,multidisciplinary):3/157(Q1)

ISSN (online): 2046-2069

47.-AUTHORS (in order of authorship): Nerea Epelde-Elezcano, Virginia Martínez-Martínez*, Eduardo Duque-Redondo, Inés Temiño, Hegoi Manzano*, and Iñigo López-Arbeloa

TITLE: Strategies for Modulation the luminescent properties of Pyronin Y- clay Films: Experimental and Theoretical Study

JOURNAL/BOOK : Phys Chem Chem Phys

KEY: A

DATE OF PUBLICATION: 2016 VOL. 18 pg: 8730-8738

MOST OUTSTANDING ASPECTS (**): Impact Factor: 4.493 ranking (chemistry,physical):32/139(Q1)

ISSN (online): 1463-9076

46.-AUTHORS (in order of authorship): Nagore Pérez, Leire Ruiz-Rubio, José Luis Vilas, Matilde Rodríguez, Virginia Martínez-Martínez, Luis M. León

TITLE: Synthesis and characterization of near-infrared fluorescent and magnetic iron zero-valent nanoparticles

JOURNAL/BOOK TITLE: J Photochem Photobio A

KEY: A

DATE OF PUBLICATION: 2016 VOL. 315 pg: 1-7

MOST OUTSTANDING ASPECTS ():** Impact Factor: 2.495 ranking (chemistry, physical):56/139(Q2)
ISSN (online): 1010-6030

45.-AUTHORS (in order of authorship): María San Sebastián, Virginia Martínez-Martínez*, Alberto Maceiras, José Luis Vilas, Iñigo López-Arbeloa, Luis Manuel León

TITLE: Enhanced CT Emission in Polyimides by Cyano-Groups Doping

JOURNAL/BOOK TITLE: J Phys Chem B

KEY: A

DATE OF PUBLICATION: 2015 **VOL.** 119 **pg:** 5685-5692

MOST OUTSTANDING ASPECTS ():** Impact Factor: 3.30 ranking(chemistry, physical):44/136(Q2)

ISSN (online): 1520-6106

44.-AUTHORS (in order of authorship): Virginia Martínez-Martínez*, Rebeca Sola Llano, Shuhei Furukawa, Yohei Takashima, Iñigo López Arbeloa and Susumu Kitagawa

TITLE: Enhanced phosphorescence emission at room temperature by incorporating aromatic halides into entangled coordination framework based on naphthalenediimide

JOURNAL/BOOK TITLE: ChemPhysChem **KEY:** A

DATE OF PUBLICATION: 2014 **VOL.** 15 **pg:** 2517-2521

MOST OUTSTANDING ASPECTS ():** Impact Factor: 3.349 ranking:(chemistry, physical)42/135(Q2)
(Physics, atomic, molecular)7/ 34(Q1)

ISSN (online): 1439-7641

43.-AUTHORS (in order of authorship): Eduardo Duque-Redondo, Hegoi Manzano, Nerea Epelde-Elezcano,; Virginia Martínez-Martínez, Iñigo López Arbeloa

TITLE: Molecular Forces Governing Shear and Tensile Failure in Clay-Dye Hybrid Materials

JOURNAL/BOOK TITLE: Chemistry of Materials

KEY: A

DATE OF PUBLICATION: 2014 **VOL.** 26 **pg:** 4338-4345

MOST OUTSTANDING ASPECTS ():** Impact Factor: 8.535 ranking(material science) 16/251 (Q1)

ISSN (online): 1520-5002

42.-AUTHORS (in order of authorship): Nerea Epelde-Elezcano, Eduardo Duque-Redondo, Virginia Martínez-Martínez*, Hegoi Manzano*, Iñigo López Arbeloa

TITLE: Preparation, Photophysical Characterization, and Modeling of LDS722/Laponite 2D-Ordered Hybrid Films

JOURNAL/BOOK TITLE: Langmuir

KEY: A

DATE OF PUBLICATION: 2014 **VOL.** 30 **pg:** 10112-10117

MOST OUTSTANDING ASPECTS ():** Impact Factor: 4.384 ranking(material science) 31/251(Q1)
(chemistry,multidisciplinary)28/148 (Q1)
(chemistry, physical) 31/136(Q1)

ISSN (online): 1520-5827

41.-AUTHORS (in order of authorship): Virginia Martínez-Martínez*, Raquel García*, Luis Gómez-Hortigüela, Rebeca Sola Llano, Iñigo López-Arbeloa and Joaquín Pérez-Pariente

TITLE: Highly Luminescent and Optically Switchable Hybrid Material by One Pot Encapsulation of Dyes into MgAPO-11 Unidirectional Nanopores
JOURNAL/BOOK TITLE: ACS Photonics KEY: A
DATE OF PUBLICATION: 2014 VOL.1 pg: 205-214
*MOST OUTSTANDING ASPECTS (**):* Impact Factor: 5.404 ranking(material science) 32/267(Q1)
ISSN (online): 2330-4022

40.-*AUTHORS (in order of authorship): Raquel García,* Virginia Martínez-Martínez,* Rebeca Sola Llano, Iñigo López-Arbeloa and Joaquín Pérez-Pariente.*
TITLE: One-dimensional antenna systems by crystallization inclusion of dyes (one-pot synthesis) within zeolitic MgAPO-36 nanochannels
JOURNAL/BOOK TITLE: J.Phys Chem C KEY: A
DATE OF PUBLICATION: 2013 VOL 117 pg: 24063-24070
MOST OUTSTANDING ASPECTS: Impact Factor: 4.805 ranking:(chemistry, physical) 26/134(Q1)
(materials science) 23/232 (Q1)
ISSN (online): 1932-7447

39.-*AUTHORS (in order of authorship): L. Cerdán, V. Martínez-Martínez*, I. García-Moreno, A. Costela, María E. Pérez-Ojeda, I. López Arbeloa, L. Wu, K. Burgess**
TITLE: Naturally assembled excimers in xanthenes as singular and highly efficient laser dyes in liquid and solid media
JOURNAL/BOOK TITLE: Advanced Optical Materials KEY: A
DATE OF PUBLICATION: 2013 VOL, 1 pg: 984-990
*MOST OUTSTANDING ASPECTS (**):*Impact Factor: 4.062 ranking (Materials Science): 37/1260(Q1)
ISSN (online): 2195-1071

38.-*AUTHORS (in order of authorship): Virginia Martínez-Martínez,* Jaebum Lim,b Jorge Bañuelos, Iñigo López Arbeloa and Ognjen Š. Miljanić**
TITLE: Strong Intramolecular Charge Transfer Emission in Benzobisoxazole Cruciforms: Solvatochromic Dyes as Polarity Indicators.
JOURNAL/BOOK TITLE: Phys Chem Chem Phys KEY: A
DATE OF PUBLICATION: 2013 VOL: 15 pg: 18023-18029
*MOST OUTSTANDING ASPECTS (**):* Impact Factor: 3.83 ranking (Chemistry Physical): 31/134(Q1)
ISSN (Online): 1463-9076

37.-*AUTHORS (in order of authorship): Virginia Martínez-Martínez*, Raquel García*, Luis Gómez-Hortigüela, Joaquín Pérez-Pariente, Iñigo López-Arbeloa*
TITLE: Modulating dye aggregation by incorporation into 1D-MgAPO nanochannels
JOURNAL/BOOK TITLE: Chemistry A European Journal KEY: A
DATE OF PUBLICATION: 2013 VOL 19 pg: 9859-9865
MOST OUTSTANDING ASPECTS: Impact Factor: 5.925 ranking (Chem., Multidisciplinary): 20/154(Q1)
ISSN (Online): 1521-3765

36.-**AUTHORS** (*in order of authorship*): Raquel García*, Virginia Martínez-Martínez*, Luis Gómez-Hortigüela, Iñigo López-Arbeloa, Joaquín Pérez-Pariente
TITLE: Anisotropic fluorescence materials: effect of the synthesis conditions over the incorporation, alignment and aggregation of Pyronine Y within MgAPO-5
JOURNAL/BOOK TITLE: Microporous and Mesoporous Materials **KEY: A**
DATE OF PUBLICATION: 2013 **VOL** 172 **pg**: 190-199
MOST OUTSTANDING ASPECTS: **Impact Factor**: 3.414 ranking:(materials science)39/232(Q1)
(chemistry, applied) 9/ 71 (Q1)
ISSN (online): 1387-1811

35.-**AUTHORS** (*in order of authorship*): Virginia Martínez-Martínez,* Shuhei Furukawa, Yohei Takashima, Iñigo López Arbeloa and Susumu Kitagawa.
TITLE: Charge Transfer and Exciplex emissions from a naphthalenediimide entangled coordination framework accommodating various aromatic guests
JOURNAL/BOOK TITLE: Journal of Physical Chemistry C **KEY: A**
DATE OF PUBLICATION: 2012 **VOL** 116 **pg**: 26084-26090
MOST OUTSTANDING ASPECTS: **Impact Factor**: 4.805 ranking:(chemistry, physical) 26/134(Q1)
(materials science) 23/232 (Q1)
ISSN (online): 1932-7447

34.-**AUTHORS** (*in order of authorship*): Jorge Bañuelos Prieto, Teresa Arbeloa, Virginia Martínez-Martínez and Iñigo López Arbeloa
TITLE: BODIPY Laser dyes applied in sensing and monitoring environmental properties
JOURNAL/BOOK TITLE: Chromic Materials, Phenomena and their Technological Applications **KEY: CB**
DATE OF PUBLICATION: 2012, Chapter 19
Editor : Prakash R. Somani, Applied Science Innovations Pvt. Ltd.
<file:///D:/uni/UPV-EHU/articulos-electr%C3%B3nicos/2012/Untitled%20Document.htm>
ISBN: 978-81-906027-1-6

33.-**AUTHORS** (*in order of authorship*): Leire Gartzia Rivero, Jorge Bañuelos Prieto, Virginia Martínez-Martínez and Iñigo López Arbeloa
TITLE: Versatile Photoactive Materials Based on Zeolite L doped with Laser Dyes
JOURNAL/BOOK TITLE: ChemPlusChem **KEY: A**
DATE OF PUBLICATION: 2012 **VOL** 77 **pg**: 61-70
MOST OUTSTANDING ASPECTS: **Impact Factor**: 3.242 ranking (Multidisciplinary):38/148 (Q1)
ISSN (online): 2192-6506

32.-**AUTHORS** (*in order of authorship*): Jorge Bañuelos, Ismael J. Arroyo-Córdoba, Ismael Valois-Escamilla, Alejandro Alvarez-Hernández, Eduardo Peña-Cabrera, Rongrong Hu, Ben Zhong Tang, Ixone Esnal, Virginia Martínez and Iñigo López Arbeloa
TITLE: Modulation of the photophysical properties of BODIPY dyes by substitution at their meso position
JOURNAL/BOOK TITLE: RSC Advances **KEY: A**
DATE OF PUBLICATION: 2011 **VOL** 1 **pg**: 677-684
MOST OUTSTANDING ASPECTS **Impact Factor**: 2.562 ranking (Multidisciplinary):46/152 (Q2)

ISSN (online): 2046-2069

31.-AUTHORS (in order of authorship): Yohei Takashima, Virginia Martínez Martínez, Shuhei Furukawa, Mio Kondo, Satoru Shimomura, Hiromitsu Uehara, Masashi Nakahama, Kuniyoshi Sugimoto, and Susumu Kitagawa

TITLE: Molecular Decoding using Luminescence from an Entangled Porous Framework

JOURNAL/BOOK TITLE: Nature Communications DOI: 10.1038/NCOMMS1170 **KEY: A**

DATE OF PUBLICATION: 2011

MOST OUTSTANDING ASPECTS: Impact Factor: 10.015 ranking (Multidisciplinary): 3/56 (Q1)

ISSN (online): 2041-1723

30.-AUTHORS (in order of authorship): Jorge Bañuelos, Fernando López Arbeloa, Virginia Martínez, Marta Liras, Angel Costela, Inmaculada García Moreno and Iñigo López Arbeloa

TITLE: Difluoro-boron-triaza-anthracene: a laser dye in the blue region. Theoretical simulation of alternative difluoro-boron-diaza-aromatic systems

JOURNAL/BOOK TITLE: Physical Chemistry Chemical Physics **KEY: A**

DATE OF PUBLICATION: 2011 **VOL** 13 **pg:** 3437–3445

MOST OUTSTANDING ASPECTS: impact index 4.12; ranking Chemistry, Physical): 31/131(Q1)

ISSN (printed): 1463-9076

29.-AUTHORS (in order of authorship): Virginia Martínez Martínez*, Cecilia Corcóstegui, Jorge Bañuelos Prieto, Leire Gartzia, Sandra Salleres and Iñigo López Arbeloa

TITLE: Distribution and Orientation Study of Dyes Intercalated into Single Sepiolite Fibers. A Confocal Fluorescence Microscopy Approach

JOURNAL/BOOK TITLE: Journal of Materials Chemistry **KEY: A**

DATE OF PUBLICATION: 2011 **VOL.** 21 **pg:** 269-276

MOST OUTSTANDING ASPECTS ():** impact index 4,795; ranking: (Materials Science)18/212 (Q1)
(Chemistry, Physical)19/121 (Q1)

ISSN (printed): 0959-9428. ISSN (electronic): 1364-5501

28.-AUTHORS (in order of authorship): S. Salleres, F. López Arbeloa, V. Martínez, T. Arbeloa and I. López Arbeloa.

TITLE: On the Arrangements of R6G Molecules in Organophilic C12TMA/Lap Clay Films for Low Dye Loadings

JOURNAL/BOOK TITLE: Langmuir **KEY: A**

DATE OF PUBLICATION (*): 2010 **VOL:** 26 **pg:** 930-937

MOST OUTSTANDING ASPECTS ():** impact index 3.898; ranking:(Materials Science) 25/212(Q1)
(Multidisciplinary Chem)23/138(Q1)
(Chemistry, Physical) 23/113(Q1)

ISSN (printed): 0743-7463. ISSN (electronic): 1520-5827.

27.-AUTHORS (in order of authorship): S. Salleres, F. López Arbeloa, V. Martínez, T. Arbeloa and I. López Arbeloa.

TITLE: Improving the Fluorescence Polarization Method to Evaluate the Orientation of Fluorescent Systems Absorbed in Ordered Layered Materials

JOURNAL/BOOK TITLE: Journal of Luminescence

KEY: A

DATE OF PUBLICATION (*): 2009 **VOL:** 129 **pg:** 1336-1340

MOST OUTSTANDING ASPECTS: impact index 1.847; ranking (Optics): 17/70 (Q1)

ISSN: 0022-2313

26.-AUTHORS (in order of authorship): S. Salleres, F. López Arbeloa, V. Martínez, C. Corcóstegui and I. López Arbeloa

TITLE: Effect of Surfactant C12TMA Molecules on the Self-Association of R6G Dye in Thin Films of Laponite Clay

JOURNAL/BOOK TITLE: Materials Chemistry and Physics

KEY: A

DATE OF PUBLICATION (*): 2009 **VOL:** 116 **pg:** 550-556

MOST OUTSTANDING ASPECTS: impact index 2.015; ranking (Materials Science): 49/212(Q1)

ISSN: 0254-0584

25.-AUTHORS (in order of authorship): S. Salleres, F. López Arbeloa, V. Martínez, T. Arbeloa and I. López Arbeloa

TITLE: Photophysics of R6G Laser Dye in Ordered Surfactant-C12TMA/Clay-Lap Hybrid Films

JOURNAL/BOOK TITLE: Journal of Physical Chemistry C

KEY: A

DATE OF PUBLICATION (*): 2009 **VOL:** 113 **pg:** 965-970

MOST OUTSTANDING ASPECTS: impact index 4.224; ranking:(chemistry, physical) 26/134(Q1)
(materials science) 23/232(Q1)

ISSN 1932-7447

24.-AUTHORS (in order of authorship): F. López Arbeloa, V. Martínez, T. Arbeloa and I. López Arbeloa

TITLE: Fluorescence Anisotropy to Study the Preferential Orientation of Fluorophores in Ordered Bi-Dimensional Systems: Rhodamine 6G/Laponite Layered Films

JOURNAL/BOOK TITLE: Annual Reviews in Fluorescence

KEY: CB

DATE OF PUBLICATION (*): 2008

MOST OUTSTANDING ASPECTS: 5th volume of the book serial from Springer. Series Editors: Geddes, Chris D., Lakowicz, Joseph R. **ISSN:** 1573-8086

23.-AUTHORS (in order of authorship): J. Bañuelos, F. Lopez Arbeloa, V. Martínez, T. Arbeloa and I. López Arbeloa

TITLE: A General Overview on the Photophysics of BODIPY Dyes in Liquid Solutions and Solid Polymer Matrices

JOURNAL/BOOK TITLE: Trends in Physical Chemistry

KEY: CB

DATE OF PUBLICATION (*): 2008 **VOL:** 13 **pg:** 101-122

MOST OUTSTANDING ASPECTS: International journal for the publication of critical reviews, original articles and short communications in the area of physical chemistry

ISSN: 0972-4435

22.-*AUTHORS (in order of authorship)*: V. Martínez, G. De Cremer, M.B.J. Roeffaers, M. Sliwa, M. Baruah, D.E. De Vos, J. Hofkens and B.F. Sels
TITLE: Exploration of Single Molecule Events in a Haloperoxidase and its Biomimic: Localization of Halogenation Activity.
JOURNAL/BOOK TITLE: Journal of American Chemical Society *KEY: A*
DATE OF PUBLICATION ()*: 2008 *VOL*: 130 *pg*: 13192-13193
MOST OUTSTANDING ASPECTS: impact index 8.091; ranking (Chem., multidisciplinary): 7/127(Q1)
ISSN (printed): 0002-7863. *ISSN* (electronic): 1520-5126.

21.-*AUTHORS (in order of authorship)*: S. Salleres, F. López Arbeloa, V. Martínez, T. Arbeloa and I. López Arbeloa
TITLE: Adsorption of Fluorescent R6G Dye into Organophilic C12TMA Laponite Films
JOURNAL/BOOK TITLE: Journal of Colloid and Interface Science *KEY: A*
DATE OF PUBLICATION ()*: 2008 *VOL*: 321 *pg*: 212-219
MOST OUTSTANDING ASPECTS: impact index 2.443; ranking (Physical Chemistry): 43/134(Q2)
ISSN: 0021-9797

20.-*AUTHORS (in order of authorship)*: J. Bujdák, V. Martínez Martínez, F. López Arbeloa and N. Iyi
TITLE: Spectral Properties of Rhodamine 3B Adsorbed on the Surface of Montmorillonites with Variable Layer Charge
JOURNAL/BOOK TITLE: Langmuir *KEY: A*
DATE OF PUBLICATION ()*: 2007 *VOL*: 23 *pg*: 1851-1859
MOST OUTSTANDING ASPECTS: impact index 4.097; ranking:(Chem., Multidisciplinary): 31/152(Q1)
(Mater Chem): 30/239(Q1)
(Chem, Physical): 23/113(Q1)
ISSN (printed): 0743-7463. *ISSN* (electronic): 1520-5827.

19.-*AUTHORS (in order of authorship)*: F. López Arbeloa, V. Martínez Martínez, T. Arbeloa, I. López Arbeloa
TITLE: Photoresponse and Anisotropy of Rhodamine Dye Intercalated in Ordered Clay Layered Films
JOURNAL/BOOK TITLE: Journal of Photochemistry and Photobiology C: Reviews *KEY: R*
DATE OF PUBLICATION ()*: 2007 *VOL*: 8 *pg*: 85-108
MOST OUTSTANDING ASPECTS: impact index 8.069; ranking (Physical Chemistry): 10/134(Q1)
ISSN: 1389-5567

18.-*AUTHORS (in order of authorship)*: V. Martínez Martínez, F. López Arbeloa
TITLE: Fotorrespuesta de Colorantes Fluorescentes Intercalados en Películas Ordenadas de Arcilla
JOURNAL/BOOK TITLE: Anales de Química *KEY: A*
DATE OF PUBLICATION ()*: 2007 *Vol*: 103 *pg*: 5-13
MOST OUTSTANDING ASPECTS: cover of the journal of the Real Sociedad Española de Química
ISSN 1575-3417

17.-AUTHORS (in order of authorship): J. Bañuelos Prieto, T. Arbeloa, M. Liras, V. Martínez Martínez and F. López Arbeloa

TITLE: Concerning the Color Change of Pyrromethene 650 Dye in Electron Donor Solvents

JOURNAL/BOOK TITLE: Journal of Photochemistry and Photobiology, A: Chemistry KEY: A

DATE OF PUBLICATION (*): 2006 VOL: 184 pg: 298-305

MOST OUTSTANDING ASPECTS: impact index 2.286; ranking (Physical Chemistry): 51/111(Q2)

ISSN: 1010-6030.

16.-AUTHORS (in order of authorship): F. López Arbeloa and V. Martínez Martínez

TITLE: Orientation of Adsorbed Dyes in the Interlayer Surface of Clays. 2 Fluorescence Polarization of Rhodamine 6G in Laponite Films

JOURNAL/BOOK TITLE: Chemistry of Materials KEY: A

DATE OF PUBLICATION (*): 2006 VOL: 18 pg: 1407-1416

MOST OUTSTANDING ASPECTS: impact index 4.883; ranking (Materials Science): 10/190(Q1)

ISSN (printed): 0897-4756. ISSN (electronic): 1520-5002.

15.-AUTHORS (in order of authorship): V. Martínez Martínez, S. Salleres, J. Bañuelos and F. López Arbeloa

TITLE: Application of Fluorescence with Polarized Light to Evaluate the Orientation of Dyes Adsorbed in Layered Materials

JOURNAL/BOOK TITLE: Journal of Fluorescence KEY: A

DATE OF PUBLICATION (*): 2006 VOL: 16 pg: 233-240

MOST OUTSTANDING ASPECTS: impact index 2.017; ranking (Analytical Chemistry): 21/64(Q2)

ISSN:1053-0509(printed), ISSN: 1573-4994 (electronic)

14.-AUTHORS (in order of authorship): F. López Arbeloa and V. Martínez Martínez

TITLE: New Fluorescent Polarization Method to Evaluate the Orientation of Adsorbed Molecules in Uniaxial 2D Layered Materials

JOURNAL/BOOK TITLE: Journal of Photochemistry and Photobiology A: Chemistry KEY: A

DATE OF PUBLICATION (*): 2006 VOL: 181 pg: 44-49

MOST OUTSTANDING ASPECTS: impact index 1.911, ranking (Physical Chemistry): 51/111(Q2)

ISSN: 1010-6030

13.-AUTHORS (in order of authorship): F. López Arbeloa, J. Bañuelos, V. Martínez, T. Arbeloa and I. López Arbeloa

TITLE: Structural, Photophysics and Lasing Properties of Pyrromethene Dyes

JOURNAL/BOOK TITLE: International Reviews in Physical Chemistry KEY: R

DATE OF PUBLICATION (*): 2005 VOL: 24 pg: 339-374

MOST OUTSTANDING ASPECTS: impact index 8.121 ranking (Physical Chemistry):5/111(Q1)

ISSN (printed): 0144-235X. ISSN (electronic): 1366-591X.

12.-AUTHORS (in order of authorship): V. Martínez Martínez, F. López Arbeloa, J. Bañuelos Prieto and I. López Arbeloa

TITLE: Orientation of Adsorbed Dyes in the Interlayer Surface of Clays. 1 Anisotropy of Rhodamine 6G in Laponite Films by Vis-Absorption with Polarized Light

JOURNAL/BOOK TITL: Chemistry of Materials

KEY: A

DATE OF PUBLICATION ():* 2005 *VOL:* 17 *pg:* 4134-4141

MOST OUTSTANDING ASPECTS: impact index 4.883; ranking (Materials Science): 10/190(Q1)

ISSN (printed): 0897-4756. *ISSN (electronic):* 1520-5002.

11.-AUTHORS (in order of authorship): F. López Arbeloa, T. Arbeloa, V. Martínez Martínez, J. Bañuelos Prieto and I. López Arbeloa

TITLE: Characterization of Surface Properties of Clay Particles in Aqueous Suspensions by Electronic Spectroscopy of Adsorbed Dyes

JOURNAL/BOOK TITLE: Clay Science

KEY: R

DATE OF PUBLICATION: 2005 *VOL:* 12 *pg:* 31-37

*MOST OUTSTANDING ASPECTS (**):* Journal of the Clay Science Society of Japan

ISSN: 0009-8574

10.-AUTHORS (in order of authorship): V. Martinez Martinez, F. López Arbeloa, J. Bañuelos Prieto and I. López Arbeloa

TITLE: Characterization of Rhodamine 6G Aggregates Intercalated in Solid Thin Films of Laponite Clay. 2 Fluorescence Spectroscopy.

JOURNAL/BOOK TITLE: Journal of Chemical Physics B

KEY: A

DATE OF PUBLICATION ():* 2005 *VOL:* 109 *pg:* 7443-7450

MOST OUTSTANDING ASPECTS: impact index 4.086; ranking (Physical Chemistry): 19/111(Q1)

ISSN (printed): 1089-5647. *ISSN (electronic):* 1520-5207.

9.-AUTHORS (in order of authorship): V. Martinez Martinez, F. López Arbeloa, J. Bañuelos Prieto and I. López Arbeloa

TITLE: Characterization of Rhodamine 6G Aggregates Intercalated in Solid Thin Films of Laponite Clay. 1 Absorption Spectroscopy.

JOURNAL/BOOK TITLE: Journal of Chemical Physics B

KEY: A

DATE OF PUBLICATION ():* 2004 *VOL:* 108 *pg:* 20030-20037

MOST OUTSTANDING ASPECTS: impact index 4.086; ranking (Physical Chemistry): 19/111(Q1)

ISSN (printed): 1089-5647. *ISSN (electronic):* 1520-5207.

8.-AUTHORS (in order of authorship): F. López Arbeloa, J. Bañuelos Prieto, V. Martinez Martinez, T. Arbeloa López and I. López Arbeloa.

TITLE: Intramolecular Charge Transfer in Pyrromethene Laser Dyes: Photophysical Behaviour of PM650.

JOURNAL/BOOK TITLE: ChemPhysChem

KEY: A

DATE OF PUBLICATION ():* 2004 *VOL:* 5 *pg:* 1762-1771

MOST OUTSTANDING ASPECTS: impact index 3.502; ranking (Physics: Atoms, Molecule): 2/32(Q1)

ISSN (printed): 1439-4235. *ISSN (electronic):* 1439-7641

7.-AUTHORS (in order of authorship): J. Bañuelos Prieto, F. López Arbeloa, V. Martinez, T. Arbeloa López and I. López Arbeloa.)

TITLE: Structural and Spectroscopic Characteristics of Pyrromethene 567 Laser Dye. A Theoretical Approach.

JOURNAL/BOOK TITLE: Physical Chemistry Chemical Physics **KEY: A**

DATE OF PUBLICATION (*): 2004 **VOL:** 6 **pg:** 4247-4253

MOST OUTSTANDING ASPECTS: impact index 3.343; ranking (Physics: Atoms, Molecules): 3/32(Q1)

ISSN (printed): 1463-9076. **ISSN (electronic):** 1463-9084.

6.-AUTHORS (in order of authorship): V. Martínez Martínez, F. López Arbeloa, J. Bañuelos Prieto, T. Arbeloa and I. López Arbeloa

TITLE: Characterization of Supported Solid Thin Films of Laponite Clay. Intercalation of Rhodamine 6G Laser Dye.

JOURNAL/BOOK TITLE: Langmuir **KEY: A**

DATE OF PUBLICATION (*): 2004 **VOL:** 20 **pg:** 5709-5717

MOST OUTSTANDING ASPECTS: impact index 4.009; ranking (Physical Chemistry): 21/111(Q1)

ISSN (printed): 0743-7463. **ISSN (electronic):** 1520-5827.

5.-AUTHORS (in order of authorship): R Sasai, N. Iyi, T. Fujita, F. López Arbeloa, V. Martínez Martínez, K. Takagi and H. Itoh

TITLE: Luminescence Properties of Rhodamine 6G Intercalated in Surfactant/Clay Hybrid Thin Solid Films.

JOURNAL/BOOK TITLE: Langmuir **KEY: A**

DATE OF PUBLICATION (*): 2004 **VOL:** 20 **pg:** 4715-4719

MOST OUTSTANDING ASPECTS: impact index 4.009; ranking (Physical Chemistry): 21/111(Q1)

ISSN (printed): 0743-7463. **ISSN (electronic):** 1520-5827.

4.-AUTHORS (in order of authorship): J. Bañuelos Prieto, F. López Arbeloa, V. Martínez Martínez, T. Arbeloa López and I. López Arbeloa

TITLE: Photophysical Properties of Pyrromethene 597 Dye: Solvent Effect.

JOURNAL/BOOK TITLE: Journal of Physical Chemistry A **KEY: A**

DATE OF PUBLICATION (*): 2004 **VOL:** 108 **pg:** 5503-5508

MOST OUTSTANDING ASPECTS: impact index 2.918; ranking (Physics: atoms, molecules): 6/32(Q1)

ISSN (printed): 1089-5647. **ISSN (electronic):** 1520-5207

3.-AUTHORS (in order of authorship): J. Bañuelos Prieto, F. López Arbeloa, V. Martínez Martínez, T. Arbeloa López, F. Amat-Guerri, M. Liras and I. López Arbeloa

TITLE: Photophysical Properties of a New 8-Phenyl Analogue of the Laser Dye PM567 in Different Solvents. Internal Conversion Mechanisms.

JOURNAL/BOOK TITLE: Chemical Physics Letters **KEY: A**

DATE OF PUBLICATION (*): 2004 **VOL:** 385 **pg:** 29-35

MOST OUTSTANDING ASPECTS: impact index 2.207; ranking (Physics: atoms,molecules): 12/32(Q2)

ISSN: 0009-2614

2.-AUTHORS (in order of authorship): J. Bañuelos Prieto, F. López Arbeloa, V. Martínez Martínez and I. López Arbeloa

TITLE: Theoretical Study of the Ground and Excited Electronic States of Pyrromethene 546 Laser Dye and Related Compounds.

JOURNAL/BOOK TITLE: Chemical Physics

KEY: A

DATE OF PUBLICATION ():* 2004 *VOL:* 296 *pg:* 13-22

*MOST OUTSTANDING ASPECTS (**):* impact index 1.805; ranking (Physics: atoms, mol): 54/111(Q3)

ISSN (printed): 0021-9606. *ISSN* (electronic): 1089-7690

1.-AUTHORS (in order of authorship): F. López Arbeloa, V. Martínez Martínez, J. Bañuelos Prieto and I. López Arbeloa

TITLE: Adsorption of Rhodamine 3B Dye in Saponite Colloidal Particles in Aqueous Suspensions.

JOURNAL/BOOK TITLE: Langmuir

KEY: A

DATE OF PUBLICATION ():* 2002 *VOL:* 18 *pg:* 2658-2664

*MOST OUTSTANDING ASPECTS (**):* impact index 4.009; ranking (Physical Chemistry): 21/111(Q1)

PATENTS AND UTILITY MODELS

INVENTORS (in order of authorship): Virginia Martinez-Martinez, Raquel Garcia Salas, Luis Gómez-Hortiguera, Joaquín Pérez-Pariente, Iñigo López Arbeloa

TITLE: MATERIAL HÍBRIDO FOTOACTIVO, MÉTODO DE OBTENCIÓN Y USO DEL MATERIAL

APPLICATION FORM No: P201231259 (Spanish); WO 2014020225 (international)

PRIORITY COUNTRY: Spain PRIORITY DATE: 2012

HOLDER ENTITY: UPV-EHU y CSIC

OTHER COUNTRIES WHICH THE PATENT HAS BEEN EXTENDED TO: international (2014-2015)

STAYS IN INTERNATIONALLY RECOGNIZED CENTRES

KEY: D=Ph.D student, P=postdoctoral. G= guest, S=staff, O=others (specify)

CENTRE: National Institute for Material Science

PLACE: TSUKUBA *COUNTRY:* JAPAN *YEAR:* 2004

LENGHT: 2 months

TOPIC: Synthesis of Organophilic Clays

KEY: PhD

CENTRE: Katholieken Universiteit van Leuven

PLACE: LEUVEN *COUNTRY:* BELGIUM *YEAR:* 2006-2008 *LENGHT:* 49 months

TOPIC: Single Molecule Fluorescence Microscopy to Study Haloperoxidase Reaction Performed by Bio and Chemo-Catalysts

KEY: P

CENTRE: Japan Science and Technology Agency, Erato Kitagawa Integrated Pores Project

PLACE: KYOTO *COUNTRY:* JAPAN *YEAR:* 2010 *LENGHT:* 2 months

TOPIC: Fluorescence Microscopy in MOF (Molecular Organic Framework) crystals, *KEY:* G

PRESENTATIONS IN CONGRESSES
PRESENTATIONS IN CONGRESSES

36.-*AUTHORS:* Rebeca Sola-Llano, Luis Gómez-Hortiguèla, Yasuhiko Fujita, Almudena Alfayate, Hiroshi Uji-i, Eduard Fron, Shuichi Toyouchi, Joaquín Pérez-Pariente, Iñigo López-Arbeloa and Virginia Martínez-Martínez*

TITLE: Artificial antenna system by dye encapsulation within 1D nanopores zeolitic material

TYPE OF PRESENTATION: Flash Oral

CONGRESS: XXXVII Reunión Bienal de la Real Sociedad Española de Química.

MEETING PLACE: San Sebastián (Spain)

YEAR: May 2019

36.-*AUTHORS:* Virginia Martínez-Martínez, Rebeca Sola-Llano, Luis Gómez-Hortiguèla, Hiroshi Uji-i, Eduard Fron, Joaquín Pérez-Pariente and Iñigo López-Arbeloa

TITLE: Fluorescent dyes into 1D-zeolitic materials for optical applications

TYPE OF PRESENTATION: Keynote Lecture

CONGRESS: 6th Jornadas Ibéricas de Fotoquímica (6JIF)

MEETING PLACE: Aveiro, Portugal

YEAR: September 2018

35.-*AUTHORS:* Virginia Martínez-Martínez,

TITLE: Jugando con la luz en espacios confinados

TYPE OF PRESENTATION: Invited

CONGRESS: Curso de verano "Química en espacios confinados: de los retos energéticos a las bioaplicaciones" at Universidad Internacional Menéndez Pelayo (UIMP)

MEETING PLACE: Santander, Spain

YEAR: July 2017

34.-*AUTHORS:* Virginia Martínez-Martínez, Rebeca Sola-Llano, Yasuhiko Fujita, Luis Gómez-Hortiguèla, Almudena Alfayate, Hiroshi Uji-i, Eduard Fron, Joaquín Pérez-Pariente, Iñigo López-Arbeloa
TITLE: 1.- One directional Antenna systems: Energy transfer from dye monomers to J-Aggregates along 1D-Aluminophosphates

2- Photoactive host-guest hybrid material for Non-Linear Optics by the encapsulation of LDS 722 dye into a 1-D nanochanneled aluminophosphate

TYPE OF PRESENTATION: oral (1) and poster (2)

CONGRESS: ICP 2017 (28th International Conference on Photochemistry)

MEETING PLACE: Strasburg, France

YEAR: July 2017

33.-*AUTHORS:* Virginia Martínez-Martínez, Nerea Epelde-Elezcano, Eduardo Palao,¹ Hego Manzano, Alejandro Prieto-Castañeda, Antonia R. Agarrabeitia, Andrea Tabero, Angeles Villanueva, Santiago de la Moya, Iñigo López-Arbeloa and María J. Ortiz

TITLE: New photosensitizers based on orthogonal BODIPY dimers: Rational design to finely modulate singlet oxygen generation

TYPE OF PRESENTATION: oral

CONGRESS: IPA 2017 (16th International Photodynamic Association World Congress)

MEETING PLACE: Coimbra (Portugal)

YEAR: June 2017

32.-AUTHORS: Virginia Martínez-Martínez, Ruth Prieto-Montero, Nerea Epelde-Elezcano, Iñigo López-Arbeloa, Ross Brown, Sylvie Lacombe

TITLE: *Tuning of the photophysical properties of core-shell silica nanoparticles for bio-imaging and photodynamic therapy*

TYPE OF PRESENTATION: oral

CONGRESS: NanoSpain

MEETING PLACE: San Sebastián (Spain)

YEAR: March 2017

31.-AUTHORS: Virginia Martínez-Martínez, Rebeca Sola-Llano, Yasuhiko Fujita, Luis Gómez-Hortigüela, Almudena Alfayate, Hiroshi Uji-i, Eduard Fron, Joaquín Pérez-Pariente, Iñigo López-Arbeloa

TITLE: *Antenna effect: Energy transfer from monomers to J-Aggregates in 1D systems"*

TYPE OF PRESENTATION: oral invited

CONGRESS: Strong Coupling with Organic Molecules (scom16)

MEETING PLACE: San Sebastián

YEAR: October 2016

30.-AUTHORS: Virginia Martínez-Martínez, Rebeca Sola-Llano, Luis Gómez-Hortigüela, Almudena Alfayate, Yasuhiko Fujita, Hiroshi Uji-i, Eduard Fron, Joaquín Pérez-Pariente, Iñigo López-Arbeloa

TITLE: *Confinement of Dyes into 1D-Aluminophosphate for Optical Applications: NLO Properties, Fluorescence Colour Switching and White Light Emission*

TYPE OF PRESENTATION: oral

CONGRESS: Vth Spanish-Portuguese Workshop on Photochemistry

MEETING PLACE: Toledo

YEAR: September 2016

29.-AUTHORS: Virginia Martínez-Martínez, Rebeca Sola-Llano, Luis Gómez-Hortigüela, Almudena Alfayate, Yasuhiko Fujita, Hiroshi Uji-i, Eduard Fron, Joaquín Pérez-Pariente, Iñigo López-Arbeloa

TITLE: *Hybrid Materials based on the tight Confinement of Dyes into 1D-Aluminophosphate for Optical Applications: Fluorescence Colour Switching and NLO Properties*

TYPE OF PRESENTATION: oral

CONGRESS: 18th International Zeolite Conference

MEETING PLACE: Rio de Janeiro, Brazil

YEAR: June 2016

28.-AUTHORS: Virginia Martínez-Martínez,

TITLE: *One dimensional Hybrid Materials for Optical Applications: Fluorescent dyes into Aluminophosphates with different pore sizes*

TYPE OF PRESENTATION: Invited Lecture

CONGRESS: Mini-symposium on Photochemistry and Photocatalysis

MEETING PLACE: Pau (France)

YEAR: June 2015

27.-AUTHORS: Virginia Martínez-Martínez, Rebeca Sola Llano, Raquel García, Luis Gómez-Hortigüela, Joaquín Pérez-Pariente, Iñigo López Arbeloa
TITLE: One-Pot Encapsulation of Dyes into unidirectional Aluminophosphates with different pore size for Optical Applications: Photonic Antenna and Colour Switchable Systems
TYPE OF PRESENTATION: ORAL
CONGRESS: Fourth International Conference on Multifunctional, Hybrid and Nanomaterials (Hybrid Materials 2015)
MEETING PLACE: Sitges (Spain)
YEAR: March 2015

26.-AUTHORS: Virginia Martínez-Martínez, Iñigo López Arbeloa, Jorge Bañuelos, Teresa Arbeloa, Hego Manzano, Leire Gartzia, Ixone Esnal, Nerea Epelde, Rebeca Sola, Eduardo Duque
TITLE: Photoactive Hybrid Materials for Technological and Biomedical Applications
TYPE OF PRESENTATION: ORAL
CONGRESS: IV Jornadas de Investigación de la Facultad de Ciencia y Tecnología
MEETING PLACE: Leioa, UPV-EHU
YEAR: February 2014

25.-AUTHORS: V. Martínez-Martínez, Raquel García, Luis Gómez-Hortigüela, Joaquín Pérez-Pariente, Rebeca Sola, Iñigo López-Arbeloa
TITLE: Optical Properties Tuning by Dye inclusion into 1D-Aluminophosphates with different pore size
TYPE OF PRESENTATION: Oral
CONGRESS: International Photochemistry Conference ICP
MEETING PLACE: Leuven, Belgium
YEAR: July 2013

24.-AUTHORS: V. Martínez-Martínez, Raquel García, Luis Gómez-Hortigüela, Joaquín Pérez-Pariente, Iñigo López-Arbeloa
TITLE: Control of dye fluorescence by encapsulation into 1D nanochannels
TYPE OF PRESENTATION: Oral
CONGRESS: 17th International Zeolite Conference
MEETING PLACE: Moscow
YEAR: July 2013

23a.-AUTHORS: V. Martínez Martínez, Raquel García, Luis Gómez-Hortigüela, Joaquín Pérez-Pariente, Rebeca Sola Llano, Iñigo López-Arbeloa
TITLE: One dimensional Ordered Materials for Optical Applications: Pyronine Y dye into Aluminophosphates with different nanopore size
TYPE OF PRESENTATION: Oral
23b.-AUTHORS: Nerea Epelde Elezcano, Virginia Martínez-Martínez, Iñigo López Arbeloa
TITLE: Enhance fluorescence efficiency of dye/clay hybrid films by the co-adsorption of surfactants
TYPE OF PRESENTATION: Poster
23c.-AUTHORS: Rebeca Sola Llano, Virginia Martínez-Martínez, Raquel García, Luis Gómez-Hortigüela, Joaquín Pérez-Pariente, Iñigo López-Arbeloa

TITLE: Artificial antenna system based on one-directional FRET between AC and PY dyes within AIPO-36 nanochannels

TYPE OF PRESENTATION: Poster

23d.-AUTHORS: Nagore Pérez, Virginia Martínez-Martínez, Matilde Rodríguez, José Luis Vilas

TITLE: Polyethylene glycol iron oxide nanoparticles with fluorescent properties

PRESENTATION: Poster

CONGRESS: IMAGINENANO

MEETING PLACE: BILBAO

YEAR: April 2013

22a.-AUTHORS: V. Martínez Martínez, Y. Takashima, S. Furukawa, S. Kitagawa, I. López Arbeloa

TITLE: Naphtalenediimide (NDI)-based entangled porous coordination polymer as luminescent sensor for volatile organic compounds (VOCs)

TYPE OF PRESENTATION: Poster

22b.-AUTHORS: Nerea Elpelde, Elezcano. V. Martínez Martínez, I. López Arbeloa

TITLE: Ordered Hybrid Materials: LDS 722 dye into Laponite clay film

TYPE OF PRESENTATION: Poster

CONGRESS: XXIV IUPAC Symposium on Photochemistry

MEETING PLACE: Coimbra (Portugal)

YEAR: July 2012

21.-AUTHORS: V. Martínez Martínez,

TITLE: Dye into Nanostructured 1-D and 2D systems

TYPE OF PRESENTATION: Invited Lecture

CONGRESS: BIT's Annual World Congress of Advanced Materials

MEETING PLACE: Beijing (China)

YEAR: June 2012

20a.-AUTHORS: V. Martínez-Martínez, Y. Takashima, S. Furukawa, I. López Arbeloa

TITLE: Selective Switching in Entangled Metal Organic Frameworks by Inclusion of Aromatic Guests. Molecular Sensor for Substituted-benzenes

TYPE OF PRESENTATION: Oral

20b.-AUTHORS: Teresa Arbeloa, Virginia Martínez-Martínez, Cecilia Corcostegui, Leire Gartzia, Jorge Bañuelos and Iñigo López Arbeloa.

TITLE: Anisotropy study of Dye Intercalation into 1D Sepiolite clay fibers by Fluorescence Microscopy

TYPE OF PRESENTATION: Poster

20c.-AUTHORS: Raquel García, Virginia Martínez-Martínez, Cecilia Corcostegui, Joaquin Pérez-Pariente, Iñigo López Arbeloa

TITLE: Inclusion of Pironine Y in AIPO-5

TYPE OF PRESENTATION: Poster

CONGRESS: IMAGINENANO (NANOSPAIN)

MEETING PLACE: Bilbao

YEAR: April 2011

19.-AUTHORS: V. Martínez Martínez, C. Coscóstegui, T. Arbeloa, I. López Arbeloa
TITLE: *Dye Intercalation and Dye Orientation into 1D-ordered Materials. Single Particle Study by Confocal Fluorescence Microscopy*
TYPE OF PRESENTATION: Poster
CONGRESS: *II Hybrid Materials*
MEETING PLACE: Strasbourg (France)
YEAR: March 2011

18.-AUTHORS: V. Martínez Martínez
TITLE: *Aplicación de Luz Linealmente Polarizada para la Determinación de la Orientación de Moléculas Orgánicas en Sistemas Uni y Bi-Dimensionales*
TYPE OF PRESENTATION: Invited Lecture
CONGRESS: *I Jornadas de Nanotecnología Aplicada*
MEETING PLACE: Alicante
YEAR: November 2010

17.-AUTHORS: V. Martínez, S. Furukawa, Y. Takashima, I. Lopez Arbeloa
TITLE: 1.-*Photophysical Study of an Entangled Porous Coordination Polymer: Guest Dependent Charge Transfer Complex Emission*
2.- *An entangled Porous Coordination Polymer as a Luminescent sensor (POSTER PRIZE)*
TYPE OF PRESENTATION: poster
CONGRESS: *MOF 2010 (Metal Organic Framework)*
MEETING PLACE: Marseille, France
YEAR: September 2010

16.-AUTHORS: V. Martínez, C. Coscóstegui, Leire Gartzia and Iñigo López Arbeloa
TITLE: *Distribution and Orientation Study of Dyes into Single Sepiolite Fibers by Confocal Fluorescence Microscopy*
TYPE OF PRESENTATION: poster
CONGRESS: *XXIIIUPAC Symposium on Photochemistry*
MEETING PLACE: Ferrara, Italy
YEAR: July 2010

15.-AUTHORS: I. López Arbeloa, T. Arbeloa, J. Bañuelos, V. Martínez, C. Coscóstegui, L. Gartzia
TITLE: *Photophysics of Molecules in Nanostructured Systems. Multifunctional Optoelectronic Materials*
TYPE OF PRESENTATION: poster
CONGRESS: *II Jornadas de Investigación de la Facultad de Ciencia y Tecnología, UPV-EHU*
MEETING PLACE: Bilbao
YEAR: February 2010

14.-AUTHORS: V. Martínez Martínez

TITLE: Haloperoxidase Reaction Events, Bio- and Chemo-catalysis Monitorized at Single Molecule Level by Confocal Fluorescence Microscopy

TYPE OF PRESENTATION: Invited lecture

CONGRESS: Workshop on Single Molecule Fluorescence Imaging

MEETING PLACE: Bilbao

YEAR: September 2009

13.-AUTHORS: V. Martínez Martínez, G. de Cremer, M.B. Roeffaers, J. Hofkens and F. López Arbeloa
TITLE: Single Molecule Studies of Catalytic Reactions of Haloperoxidase Enzymes by Confocal Fluorescence Microscopy

TYPE OF PRESENTATION: Poster

CONGRESS: IX Congreso de Fotoquímica

MEETING PLACE: Bilbao

YEAR: September 2009

12.-AUTHORS: V. Martínez, S. Salleres, I López Arbeloa and F. López Arbeloa

TITLE: Characterization of Ordered Dye/Clay Systems by Linear Polarized Light Spectroscopies and Fluorescence Microscopy

TYPE OF PRESENTATION: Poster

CONGRESS: XXIV International Conference on Photochemistry

MEETING PLACE: Toledo

YEAR: July 2009

11.- G. De Cremer, V. Martínez, M. Roeffaers, D. De Vos, J. Hofkens, B. Sels

TITLE: Redox reaction events monitorized at single molecule level: direct observation of the influence of discussion phenomena on catalysis

TYPE OF PRESENTATION: Oral communication

CONGRESS: 6th World Congress on Oxidation Catalysis

MEETING PLACE: Lille, France

YEAR: July 2009

10.-AUTHORS: V. Martínez, F. López Arbeloa, T Arbeloa and I. López Arbeloa

TITLE: Study of the Microheterogeneity of Adsorbed Dyes into Single Clay Particles by Confocal Fluorescence Microscopy

TYPE OF PRESENTATION: Poster

CONGRESS: XIV International Clay Conference

MEETING PLACE: Castellaneta Marina, Italy

YEAR: June 2009

9.-AUTHORS: V. Martínez Martínez, S. Salleres, I. López Arbeloa and F. López Arbeloa

TITLE: Application of Absorption and Fluorescence with Polarized Light to Study Organized Layered Systems: Dye/Clay Films

TYPE OF PRESENTATION: Poster

CONGRESS: Hybrid Materials

MEETING PLACE: Tours, France
YEAR: March 2009

8.-*AUTHORS:* V. Martínez, G. De Cremer, M.B. Roeffaers, B.F. Sels, J. Hofkens and F. López Arbeloa
TITLE: Single Molecule Studies in Haloperoxidase Catalyst
TYPE OF PRESENTATION: Poster
CONGRESS: 14th International Workshop on Single Molecule Spectroscopy and Untrasensitive Analysis in the Life Science
MEETING PLACE: Berlin, Germany
YEAR: September 2008

7.-*AUTHORS:* V. Martínez, S. Salleres, F. López Arbeloa, T. Arbeloa and I. López Arbeloa
TITLE: 1. Photophysics of Fluorescent Dyes in Ordered Organoclay Films
2. Bio- and Chemo-Catalysts of Haloperoxidase: A Comparative Study at the Single Molecule Level
TYPE OF PRESENTATION: Poster
CONGRESS: XXII IUPAC Symposium on Photochemistry
MEETING PLACE: Gothenburg, Sweden
YEAR: July 2008

6.-*AUTHORS:* V. Martínez and F. López Arbeloa
TITLE: Application of Linearly Polarized Spectroscopy to Study the Orientation of Fluorescent Dyes into Organized Thin Clay Films
TYPE OF PRESENTATION: Invited Lecture
CONGRESS: CNRS Matériaux Hybridés Organisés Multifonctionales
MEETING PLACE: Biarritz (France)
YEAR: May 2008

5.-*AUTHORS:* V. Martínez Martínez, G. De Cremer, M.B.F. Roeffaers, D.E. De Vos, B.F. Sels, J. Hofkens
TITLE: Real Time study of Catalytic Reactions in Layered Double Hydroxides Crystals by Single Fluorescence Microscopy
TYPE OF PRESENTATION: Poster
CONGRESS: XXIII International Conference on Photochemistry
MEETING PLACE: Cologne (Germany)
YEAR: August 2008

4.-*AUTHORS:* V. Martínez, J. Bañuelos, S. Salleres and F. López Arbeloa
TITLE: Spectroscopy with Polarized Light of Laser Dyes Adsorbed in Organised 2D Host Materials
TYPE OF PRESENTATION: Poster
CONGRESS: XXIth IUPAC Symposium on Photochemistry
MEETING PLACE: Kyoto, Japan
YEAR: April 2006

3.-*AUTHORS*: V. Martínez, J. Bañuelos, S. Salleres and F. López Arbeloa

TITLE: 1. Aplicación de Luz Linealmente Polarizada para la Determinación de la Orientación de Moléculas Orgánicas

2. Anisotropía de Colorantes en Sistemas Nanoestructurados. Absorción y Fluorescencia con Luz Polarizada

TYPE OF PRESENTATION: Oral (1) and Poster (2)

CONGRESS: VII Congreso de Fotoquímica.

MEETING PLACE: Logroño

YEAR: June 2005

2.-*AUTHORS*: V. Martínez, F. López Arbeloa and I. López Arbeloa

TITLE: Characterization of Thin Films of Laponite Clay. The Adsorption of Rhodamine 6G Dye

TYPE OF PRESENTATION: *Poster*

CONGRESS: XXIIth IUPAC Symposium on Photochemistry

MEETING PLACE: Granada

YEAR: July 2004

1.-*AUTHORS*: V. Martínez, F. López Arbeloa and I. López Arbeloa

TITLE: Anisotropía con Luz Polarizada de Rodamina 6G en Películas Delgadas de Laponita.

TYPE OF PRESENTATION: *Poster*

CONGRESS: I Jornadas Ibéricas de Fotoquímica

MEETING PLACE: Santiago de Compostela

YEAR: September 2003

THESIS SUPERVISED

TITLE: Photoactive Hybrid Materials for Optical and Biomedical Applications

Ph. D. STUDENT: Nerea Epelde Elezcano

UNIVERSITY: Coadvised PhD between Universidad del País Vasco (UPV-EHU) and Université de Pau et des Pays de l'Adour (UPPA)

FACULTY/SCHOOL: Science and Technology

YEAR: May 2016

MARK: Cum Laude

TITLE: Synergism between Organic and Inorganic moieties: In the search of new hybrid materials for optics and biomedicine

Ph. D. STUDENT: Rebeca Sola Llano

UNIVERSITY: Universidad del País Vasco (UPV-EHU)

FACULTY/SCHOOL: Science and Technology

YEAR: January 2017

MARK: Cum Laude

MASTER THESIS SUPERVISED

7.-TITLE: *Microwave synthesis and photophysical characterization of hybrid materials based on the encapsulation of dyes into unidirectional aluminophosphates*

Ph. STUDENT: *Ainhoa Oliden*

UNIVERSITY: *UNIVERSIDAD DEL PAIS VASCO-UNIVERSIDAD CANTABRIA (UPV-EHU and UC)*

FACULTY/SCHOOL: *CIENCIA Y TECNOLOGIA*

YEAR: *July 2016*

6.-TITLE: *Síntesis y caracterización de nanopartículas fluorescentes para aplicaciones laser y biomédicas*

Ph. STUDENT: *Ruth Prieto Montero*

UNIVERSITY: *UNIVERSIDAD DEL PAIS VASCO-UNIVERSIDAD CANTABRIA (UPV-EHU and UC)*

FACULTY/SCHOOL: *CIENCIA Y TECNOLOGIA*

YEAR: *July 2015*

5.-TITLE: *Propiedades ópticas de materiales híbridos ordenados: películas colorante/arcilla*

Ph. STUDENT: *Inés Termiño Gutiérrez*

UNIVERSITY: *UNIVERSIDAD DEL PAIS VASCO-UNIVERSIDAD CANTABRIA (UPV-EHU and UC)*

FACULTY/SCHOOL: *CIENCIA Y TECNOLOGIA*

YEAR: *July 2014*

Received the Extraordinary prize of the Master 2013-2014

4.-TITLE: *Caracterización Fotofísica de Colorantes Fluorescentes encapsulados en Aluminifosfatos Unidireccionales con distinto Tamaño de Poro*

Ph. STUDENT: *Rebeca Sola Llano*

UNIVERSITY: *UNIVERSIDAD DEL PAIS VASCO-UNIVERSIDAD CANTABRIA (UPV-EHU and UC)*

FACULTY/SCHOOL: *CIENCIA Y TECNOLOGIA*

YEAR: *July 2013*

3.-TITLE: *Elaboración y Caracterización de Materiales Híbridos Colorante/Arcilla*

Ph. STUDENT: *Nerea Epelde Elezcano*

UNIVERSITY: *UNIVERSIDAD DEL PAIS VASCO-UNIVERSIDAD CANTABRIA (UPV-EHU and UC)*

FACULTY/SCHOOL: *CIENCIA Y TECNOLOGIA*

YEAR: *September 2012*

2.-TITLE: *Adsorción de Colorantes Fluorescentes en Partículas de Sepiolita. Caracterización por Microscopía Confocal de Fluorescencia*

Ph. STUDENT: *Cecilia Corcóstegui*

UNIVERSITY: *UNIVERSIDAD DEL PAIS VASCO UPV-EHU*

FACULTY/SCHOOL: *CIENCIA Y TECNOLOGIA*

YEAR: *July 2010*

1.-TITLE: *Adsorción de Rodamina 6G en Películas Finas de Laponitas Organofílicas*

Ph. STUDENT: *Sandra Salleres Alonso*

UNIVERSITY: *UNIVERSIDAD DEL PAIS VASCO UPV-EHU*

FACULTY/SCHOOL: *CIENCIA Y TECNOLOGIA*

YEAR: *December 2006*

MASTER DEGREE SUPERVISED

1.-TITLE: *Nuevos fotosensibilizadores basados en el cromóforo BODIPY. Aplicaciones.*

STUDENT: *Fátima Suarez*

UNIVERSITY: *UNIVERSIDAD DEL PAIS VASCO-UNIVERSIDAD COMPLUTENSE DE MADRID (UPV-EHU and UCM)*

FACULTY/SCHOOL: *CIENCIA Y TECNOLOGIA Y FACULTAD DE CIENCIAS QUÍMICAS*

YEAR: *July 2017*

OTHER ACHIEVEMENTS(in one DIN A4 page only)

PRIZES:

- Extraordinary prize in the Chemistry degree awarded by the Faculty of Science and Technology of the University of Basque Country (Spain), 2000/2001.
- Extraordinary prize for the PhD awarded by the Faculty of Science and Technology of the University of Basque Country (Spain), 2005/2006.

COMPLEMENTARY EDUCATION:

- University-Industry practises: *Herrán y Díez S.A.*, Castro-Urdiales (Spain), July-Sept. 2000 (300 hours)
- Mater Thesis with title: "Spectroscopy Study of the Adsorption of Rhodamine 3B on Saponite Clay Suspensions" in the Molecular Spectroscopy Laboratory of the University of Basque Country UPV-EHU (Spain), November 2001. Promotors: Prof. Dr. F. López Arbeloa and Prof. Dr. I. López Arbeloa
- Certificate-Diploma of Advanced Studies in *Chemistry of Materials and Surfaces*, in the University of Basque Country, UPV-EHU, (Spain), November 2003

TEACHING EXPERIENCE:

- 2.9 credits in "Química Física II" of 3º Chemistry degree, 2018-2019
- 1.5 credits in "Química Física II" of 3º Chemistry degree, 2016-2017
- 1.5 credits in "Química Física II" of 3º Chemistry degree, 2016-2017
- 1.8 credits in "Química Física II" of 3º Chemistry degree, 2015-2016
- 2 credits in "Química Física II" of 3º Chemistry degree, 2014-2015
- 2 credits in "Química Física II" of 3º Chemistry degree, 2013-2014
- 1.5 credits in "Química Física II" of 3º Chemistry degree, 2012-2013
- 1.5 credits in "Experimentación en Química Física" of 4º Chemistry, 2012-2013
- *Collaborator in*
 - "Physical Chemistry Experiments" 60 hours, 2010-2011
 - "Ensayos Prácticos de Laboratorio de Nuevos Materiales" (10 hours, January 2010) as part of the ECTS Mater "Nuevos Materiales", UPV/EHU.
 - "Experimental Methods in Physical Chemistry II of 4º Chemistry degree 40 hours in 2005-2006,
 - "Experimental Methods in Physical Chemistry II" of 4º Chemistry degree 40 hours in 2004-2005
 - "Experimental Methods in Physical Chemistry II" of 4º Chemistry degree 40h in 2003-2004
- Lecture: "Confocal Fluorescence Microscopy: Single Molecule Detection" (3 hours, July 2008) as part of Doctorate course: "Aplicaciones de la Fluorescencia en Química", Química, UPV/EHU,

REVIEWER of :

- Doctoral tesis jury (Université de Pau et des Pays de l'Adour, September 2013; Universidad de Zaragoza, Enero 2014; Université de Bordeaux, December 2016; Universidad de Granada, Julio 2017; Universidad de Burgos, September 2017; KULeuven December 2017 and Universidad País Vasco, Julio 2018)
- **FWO**: Belgian independent funding agency for fundamental research in all disciplines in Flanders
- International Scientific articles (Chem. Comm., Adv. Opt. Mat., J Phys Chem, PCCP, Thin Solid Films, New J. Chem., J. Phys. Chem, Apply. Clay Sci., J Mater Chem C, etc)

Credentials:

- "Personal Doctor Investigador en Ciencias Experimentales" by UNIBASQ (Noviembre 2011)
- "Profesor Ayudante Doctor en Ciencias Experimentales" by Ministerio de Educación (October 2009)
- "Certificate TOPTULTE (Test of performance for teaching at university level through the medium of English) equivalent to C1 of the European framework. (June 2016)