



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

Curriculum Vitae of

Prof. Bernabé Marí Soucase

Universitat Politècnica de València

València (Spain)

June 2018

1. Personal Data

Name: **Marí Soucase** First name: **Bernabé**
DNI: 22636874-K Birth date: 13 April 1959 Sexe: Male
Address: Avinguda Germanies, 10 City: Picanya Postal Code: 46210
Telephon: +34 961 590 036 e-mail: bmari@fis.upv.es

Present professional position

Organism: Universitat Politècnica de València
School: Escola Tècnica Superior d'Enginyeria del Disseny (*School of Design Engineering*)
Department of Applied Physics
Institute of Design and Fabrication (IDF)
Telephone: +34 963 877 525 (75250) Fax: +34 963 877 189
Professional Category: *Permanent Professor/Catedràtic d'Universitat (CU)/since 28/06/2002*
Dedication: Full time

Research Lines

Hybrid materials for photovoltaic conversion.
CIGS-based solar cells
Nanotechnology, nanostructured semiconductors, optical properties, electrical properties.
Electrochemistry and electrodeposition.
Synthesis of compound semiconductors by wet technics.
Photonics and optoelectronic devices.
Neutron Transmutation Doping. Defects and Vacancies in Semiconductors.

Academic Background

Title	Centre	Date
Graduate in Physics	Facultat de Física. Universitat de València (Spain)	1982
PhD in Physics	Universitat de València (Spain)	1988

Previous professional activities

Position	Institution	Dates
Catedràtic Universitat (Full Professor)	Universitat Politècnica de València (UPV)	28/06/2002 - today
Catedrático de Escuela Universitaria		From 08/1990 to 06/2002
Profesor Titular de Escuela Universitaria		From 07/1989 to 08/1990
Profesor Titular de E.U. Interino		From 10/1987 to 07/1989
Prof. Encargado de curso		From 11/1984 to 09/1987
Ayudante de investigación	Universitat de València	From 06/1984 to 10/1984

Languages

Language	Speaking	Reading	Writing
Catalan	Correct	Correct	Correct
Spanish	Correct	Correct	Correct
French	Correct	Correct	Correct
English	Good	Correct	Correct

2. R&D projects funded by public entities

32	<p>PROJECT TITLE: "Solar energy harvesting with two-photon processes (SEHTOP)" FUNDING ENTITY: Ministerio de Economía y Competitividad. Ref. ENE2016-77798-C4-2-R PARTICIPANT ENTITIES: UPV DURATION FROM: 01/01/2017 TILL: 31/12/2019 MAIN RESEARCHER: Dr. Bernabé Marí Soucase FUNDING: 121.000 €</p>
31	<p>PROJECT TITLE: "Técnicas de Fabricación Avanzada y Control de Calidad de nuevos materiales multifuncionales en movilidad sostenible" FUNDING ENTITY: GENERALITAT VALENCIANA Ref. PROMETEOII/2014/044. PARTICIPANT ENTITIES: 1 (UPV) DURATION FROM: 01/01/2014 TILL: 31/12/2017 INVESTIGADOR RESPONSABLE: Dr. JOSEP TORNERO MONTSERRAT FINANCIACIÓN: 60.000 (2017) - 62.000(2016) - 50.000 € (2015) - 50.000 €(2014)</p>
30	<p>PROJECT TITLE: "Improvement of solar energy conversion by two step electronic excitation processes. Electrochemical approximation (BOOSTER)" FUNDING ENTITY: Ministerio de Economía y Competitividad. Ref. ENE2013-46624-C4-4-R. PARTICIPANT ENTITIES: UPV DURATION FROM: 01/01/2014 TILL: 31/12/2016 MAIN RESEARCHER: Dr. Bernabé Marí Soucase FUNDING: 133.000 € : Dr. Bernabé Marí Soucase FINANCIACIÓN: 133.100 €</p>
29	<p>PROJECT TITLE: "Investigación de materiales luminiscentes para aplicaciones fotovoltaicas" FUNDING ENTITY: UPV, Vicerectorat d'Investigació. Ref.SP20120488. PARTICIPANT ENTITIES: 2 (IDF and NTC) DURATION FROM: 01/01/2012 TILL: 31/12/2013 MAIN RESEARCHER: Dr. Bernabé Marí Soucase FUNDING: 6.000 €</p>
28	<p>PROJECT TITLE: "Semiconductores nanoestructurados sobre plantillas de materiales porosos para celdas solares" FUNDING ENTITY: CONACYT convocatoria 2011 Proyecto de Ciencia Básica No. 167993 ENTIDADES PARTICIPANTES: 2 (UPV – BUAP) DURATION FROM: 1/enero/2012 TILL: 31/diciembre/2014 MAIN RESEARCHER: Dr. Ma. Estela Calixto Rodríguez FUNDING: \$1,858,000.00 MXN (Mexican pesos)</p>
27	<p>PROJECT TITLE: "Actualización de las capacidades docentes e tecnológicas en el campo de las energías renovables y fortalecimiento de la investigación en células solares fotovoltaicas de tercera generación." FUNDING ENTITY: AECI Ref. AP/035039/11 PARTICIPANT ENTITIES: 2 (UPV – UNIVERSITY HASSAN II Morocco) DURATION FROM: 01/01/2012 TILL: 31/12/2012 MAIN RESEARCHER: Dr. Bernabé Marí Soucase FUNDING: 8.300 €</p>

26	<p>PROJECT TITLE: “DEVELOPMENT OF A NEW GENERATION OF CIGS-BASED SOLAR CELLS (NanoCIS)”</p> <p>FUNDING ENTITY: European Union. Ref. 269279</p> <p>Funding Scheme: MC-IRSES International Research Staff Exchange Scheme (IRSES)</p> <p>Call: FP7-PEOPLE-2010-IRSES</p> <p>DURATION FROM: 1/May/2011 TILL: 31/April/2015</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí Soucase</p> <p>FUNDING: 430.500 €</p>
25	<p>PROJECT TITLE: “SENSORES DE INFRAROJO BASADOS EN PbSe NO REFRIGERADO PARA IMAGEN BIOMÉDICA (IMAGIR)”</p> <p>FUNDING ENTITY: CDTI Referencia: IDC-20101080</p> <p>DURATION FROM: 1/MARCH/2010 TILL: 31/Desember/2011</p> <p>MAIN RESEARCHER: Dr. Marián Abellán Rubio</p> <p>FUNDING: 25.301 €</p>
24	<p>PROJECT TITLE: “DESSIGN, SYNTHESIS AND CHARACTERIZATION OF ADVANCED HIGH EFFICIENCY PHOTOVOLTAIC MATERIALS(FOTOMAT)”</p> <p>FUNDING ENTITY: Ministerio de Ciencia e Innovación Ref. MAT2009-14625-C03-03 (subprograma MAT)</p> <p>DURATION FROM: 1/January/2010 TILL: 31/Desember/2012</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí Soucase</p> <p>FUNDING: 72.600 €</p>
23	<p>PROJECT TITLE: “Programa PROMETEO per a grups de investigació d’excel·lència”</p> <p>FUNDING ENTITY: GV Ref. PROMETEO/2009/063</p> <p>DURATION FROM: 01/01/2009 TILL: 31/12/2014</p> <p>MAIN RESEARCHER: Dr. Josep Tornero Montserrat</p> <p>FUNDING: 65.500 € (1er year, 2009); 90.000 € (2^on year 2010); 86.500 €(3rd year 2011); 86.500 € (4rd year 2012); 876.500€ (5rd year 2013);</p>
22	<p>PROJECT TITLE: “Preparación de capas delgadas transparentes de Zn_{1-x}Co_xO y Zn_{1-x}Mn_xO mediante electrodeposición”</p> <p>FUNDING ENTITY: UPV Ref. 3228</p> <p>DURATION FROM: 18 Desember 2008 TILL: 17 Desember 2010</p> <p>MAIN RESEARCHER: Dr. Miguel Mollar García</p> <p>FUNDING: 8.000 €</p>
21	<p>PROJECT TITLE: “PREPARACIÓN DE CÉLULAS SOLARES HIBRIDAS MEDIANTE TÉCNICAS ELECTROQUÍMICAS DE BAJA TEMPERATURA”</p> <p>FUNDING ENTITY: AECI. Ref. A/0172/08</p> <p>DURATION FROM: 10 January 2009 TILL: 9 January 2010</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí Soucase</p> <p>FUNDING: 10.000 €</p>
20	<p>PROJECT TITLE: “Crecimiento y caracterización de semiconductores ternarios del tipo AIB₂IIIC₄VI”</p> <p>FUNDING ENTITY: UPV. Ref. 3216</p> <p>DURATION FROM: 31 Desember 2007 TILL: 30 Desember 2009</p> <p>MAIN RESEARCHER: Dr. Francisco Javier Manjón Herrera</p> <p>FUNDING: 17.500€</p>
19	<p>PROJECT TITLE: “Preparació de cèl·lules solars de baix cost basades en semiconductors nanoestructurats”</p> <p>FUNDING ENTITY: IMPIVA. Ref. IMPCVB/2007/24</p> <p>DURATION FROM: 1 OCTOBER 2007 TILL: 25 APRIL 2008</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí</p> <p>FUNDING: 150.000€</p>

18	<p>PROJECT TITLE: "Óxidos transparentes semiconductores para aplicaciones optoelectrónicas. Obtención de capas finas nanoestructuradas y preparación de dispositivos optoelectrónicos"</p> <p>FUNDING ENTITY: VIDI-UPV. Ref. 2360</p> <p>DURATION FROM: January 2007 TILL: January 2008</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí</p> <p>FUNDING: 6.000 €</p>
17	<p>PROJECT TITLE: "PREPARACIÓN Y CARACTERIZACIÓN DE NANO-ESTRUCTURAS IMBRICADAS DE ÓXIDOS TERNARIOS PARA SU UTILIZACIÓN EN CÉLULAS SOLARES DE BAJO COSTE"</p> <p>FUNDING ENTITY: AECI.</p> <p>DURATION FROM: January 2007 TILL: January 2009</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí</p> <p>1er AÑO: Ref. A/5461/06 De January 2007 a January 2008 FUNDING: 8.600 €</p> <p>2º AÑO: Ref. A/010813/07 De January 2008 a January 2009 FUNDING: 8.500 €</p>
16	<p>PROJECT TITLE: "Capas nanoestructuradas de óxidos semiconductores por electrodeposición"</p> <p>FUNDING ENTITY: MEC. Ref: MAT2006-02279</p> <p>DURATION FROM: 1-October-2006 TILL: 30-sepbre-2009</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí</p> <p>FUNDING: 108.900 €</p>
15	<p>PROJECT TITLE: "Preparación y caracterización de capas finas de óxido de zinc para aplicaciones optoelectrónicas"</p> <p>FUNDING ENTITY: Agencia Española de Cooperación Internacional. AECI.</p> <p>DURATION FROM: 30 January 2004 TILL: 30 January 2007</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí</p> <p>FIRST YEAR: Ref. 8/03/P. From 30 January 2004 to 30 January 2005.</p> <p>FUNDING: 6.321,49 €</p> <p>SECOND YEAR::Ref. 53/04/P/E. From January 2005 to January 2006.</p> <p>FUNDING: 12.757 €</p> <p>THIRD YEAR: Ref. 3206/05/P/E. From January 2006 to January 2007.</p> <p>FUNDING: 9.600 €</p>
14	<p>PROJECT TITLE: "Preparación de dispositivos optoelectrónicos basados en semiconductores nanocristalinos"</p> <p>FUNDING ENTITY : Universitat Politècnica de València. Vicerrectorat de I+D+I.</p> <p>DURATION FROM: 1 September 2002 TILL: 1 September 2004</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí</p> <p>FUNDING: 12.000 €</p>
13	<p>PROJECT TITLE: "Caracterización de capas delgadas y monocristales de óxido de zinc (ZnO) y desarrollo de dispositivos optoelectrónicos"</p> <p>FUNDING ENTITY: Ministerio de Ciencia y Tecnología Ref.MAT2002-04539-C02-02</p> <p>DURATION FROM: 1 November 2002 TILL: 31 October 2005</p> <p>MAIN RESEARCHER: Dr. Bernabé Marí</p> <p>FUNDING: 71.900 €</p>
12	<p>PROJECT TITLE: "El control isotópico como instrumento de análisis de semiconductores y desarrollo de nuevos dispositivos"</p> <p>FUNDING ENTITY: Generalitat Valenciana Ref. GV01-211</p>

	<p>DURATION FROM: 1 January 2002 TILL: 31 Desember 2003 MAIN RESEARCHER: Dr. Bernabé Marí FUNDING primer año: 1.900.000 PTAS FUNDING segundo año: 9.000 €</p>
11	<p>PROJECT TITLE: "Obtención de hidruros metálicos. Nuevos métodos de obtención de hidruros metálicos para su uso como ventanas ópticas de transparencia variable y estudio de sus propiedades" FUNDING ENTITY : UPV. VICERRECTORADO DE I+D DURATION FROM: 1 Desember 1999 TILL: 1 Desember 2001 MAIN RESEARCHER: Dr. Vitali Parkutik FUNDING: 2.500.000 Ptas (16.227,33 €)</p>
10	<p>PROJECT TITLE: "Transmutación neutrónica y uso de isótopos como instrumentos de estudio de semiconductores y desarrollo de nuevos dispositivos" FUNDING ENTITY : DGES Ref. PB99-0555 DURATION FROM: 1 November 1999 TILL: 1 November 2000 MAIN RESEARCHER: Dr. Bernabé Marí FUNDING: 600.000 Ptas</p>
9	<p>PROJECT TITLE: "Caracterización y aplicaciones de semiconductores compuestos dopados por transmutación neutrónica" FUNDING ENTITY : DGICYT Ref. PB95-0741 DURATION FROM: 1 November 1996 TILL: 1 November 1999 MAIN RESEARCHER: Dr. Bernabé Marí FUNDING: 5.400.000 Ptas</p>
8	<p>PROJECT TITLE: "Homogeneización de semiconductores compuestos dopados por transmutación neutrónica" FUNDING ENTITY : Generalitat Valenciana. Ref. GV-3235/95 DURATION FROM: 1 January 1996 TILL: 31 Desember 1998 MAIN RESEARCHER: Dr. Bernabé Marí</p>
7	<p>PROJECT TITLE: "Homogeneització i dopat de semiconductors compostos per transmutació neutrònica" FUNDING ENTITY : Institució Valenciana d'estudis i investigació. DURATION FROM: 1 September 1993 TILL: 30 August 1994 MAIN RESEARCHER: Dr. Bernabé Marí</p>
6	<p>PROJECT TITLE: "Lectura de contadores de energía eléctrica mediante una tarjeta basada en el μP 68000. Transmisión de lecturas en una red multipunto" FUNDING ENTITY: IMPIVA-UPV DURACIÓN DESDE: 1 January 1993 TILL: 31 Desember 1993 MAIN RESEARCHER: Dr. Bernabé Marí</p>
5	<p>PROJECT TITLE: "Dopat per transmutació neutrònica de semiconductors III-V i III-VI. Aplicacions a la micro i optoelectrònica" FUNDING ENTITY : Institució Valenciana d'estudis i investigació DURATION FROM: 1 September 1992 TILL: 30 August 1993 MAIN RESEARCHER: Dr. Bernabé Marí</p>
4	<p>PROJECT TITLE: "Dopado del InP por transmutación neutrónica" FUNDING ENTITY : Universitat Politècnica de València DURATION FROM: 1 June 1991 TILL: 30 May 1992 MAIN RESEARCHER: Dr. Bernabé Marí</p>
3	<p>PROJECT TITLE: "Crecimiento, caracterización y aplicaciones de (nuevos) semiconductores para la óptica no lineal" FUNDING ENTITY : C.I.C.Y.T. Ref.nº MAT90/0242 DURATION FROM: 1 January 1991 TILL: 31 Desember 1993</p>

	MAIN RESEARCHER: Dr. Alfredo Segura.
2	PROJECT TITLE: " Crecimiento, caracterización y aplicaciones de nuevos materiales semiconductores " FUNDING ENTITY : C.I.C.Y.T. Ref.nºPA86/0294 DURATION FROM: 1 January 1988 TILL: 31 Desember 1990 MAIN RESEARCHER: Dr. Alfredo Segura.
1	PROJECT TITLE: Nuevas células solares de InSe monocristalino FUNDING ENTITY AND REFERENCE: C.A.C.Y.T. Ref.nº 644 DURATION FROM: De 1 January 1984 TILL 31-12-1987 MAIN RESEARCHER Dr. Alfredo Segura Nre. total d'investigadors del projecte: 5

3. R&D contracts with private companies	
7	PROJECT TITLE: " Desarrollo de un sistema de control remoto para estaciones de servicio " FUNDING ENTITY E.S. Faitanar DURATION FROM: <i>1 mayo 2013 TILL 31 diciembre 2013</i> MAIN RESEARCHER Dr. Bernabé Marí Soucase NUMBER OF PARTICIPANT RESEARCHERS: 2 FINANCIACIÓN: 12.000€
6	PROJECT TITLE: " Colaboración en el estudio y análisis para el desarrollo de un sistema de generación de electricidad autónomo en ambientes diversos " FUNDING ENTITY: EURENER S.A. ENTIDADES PARTICIPANTES: 2 (Eurener + IDF) DURACION DESDE: <i>1 enero 2012 HASTA: 31 diciembre 2012</i> INVESTIGADOR RESPONSABLE: Dr. Bernabé Marí Soucase NUMBER OF PARTICIPANT RESEARCHERS: 2 FINANCIACIÓN: 6.500€
5	PROJECT TITLE: " Estudio de viabilidad de la tecnología de los sensores de infrarrojo (IR) basados en Seleniuro de Plomo (PbSe) - INFRASENS " FUNDING ENTITY: DAS PHOTONICS S.L. DURATION FROM: <i>1 May 2011 TILL: 31 Desember 2012</i> MAIN RESEARCHER : Dr. Bernabé Marí Soucase NUMBER OF PARTICIPANT RESEARCHERS: 3 FUNDING: 42.987 € in 2011; 2012 (59.063€)
4	PROJECT TITLE: " Colaboración en el Desarrollo de un Sistema Fotovoltaico Aislado para Condiciones Extremas " FUNDING ENTITY: EURENER S.A. PARTICIPANT ENTITIES : 2 (Eurener + IDF) DURATION FROM: <i>1 MARCH 2010 TILL: 31 Desember 2010</i> MAIN RESEARCHER : Dr. Bernabé Marí Soucase NUMBER OF PARTICIPANT RESEARCHERS: 2 FUNDING: 50.000€

3	<p>PROJECT TITLE: "Análisis previo, diseño industrial y pruebas de verificación para un sistema de alumbrado solar autónomo adaptable a ambientes urbanos y navales"</p> <p>FUNDING ENTITY: EURENER S.A.</p> <p>PARTICIPANT ENTITIES: 2 (eurener + upv)</p> <p>DURATION FROM: <i>23 February 2009 TILL: 22 February 2010</i></p> <p>MAIN RESEARCHER : Dr. Bernabé Marí Soucase</p> <p>NUMBER OF PARTICIPANT RESEARCHERS: 2</p> <p>FUNDING: 40.000€</p>
2	<p>PROJECT TITLE: "Desarrollo de un sistema autónomo de iluminación"</p> <p>FUNDING ENTITY: EURENER S.A.</p> <p>PARTICIPANT ENTITIES: 2 (eurener + upv)</p> <p>DURATION FROM: <i>1 April 2008 TILL: 30 November 2008 (renovado TILL 31 May 2009)</i></p> <p>MAIN RESEARCHER : Dr. Bernabé Marí Soucase</p> <p>NUMBER OF PARTICIPANT RESEARCHERS : 2</p> <p>FUNDING: 50.000€</p>
1	<p>PROJECT TITLE: "Desarrollo de células solares de bajo coste"</p> <p>FUNDING ENTITY: PROEMISA S.L.</p> <p>PARTICIPANT ENTITIES: 2 (Proemisa + UPV)</p> <p>DURATION FROM: <i>1 MARCH 2007 TILL: 30 June 2008</i></p> <p>MAIN RESEARCHER : Dr. Bernabé Marí Soucase</p> <p>NUMBER OF PARTICIPANT RESEARCHERS: 2</p> <p>FUNDING: 54.000€</p>

4	Technical and Scientific (Research) Publications
	2018
223	A. Urbaniak, M. Pawłowski, M. Marzantowicz, B. Marí, T. Sall Study of the effect of V doping on opto-electrical properties of spray-pyrolised SnS thin films <i>Thin Solid Films (In Press)</i>
222	Shafi Ullah, Hanif Ullah, Ferial Bouhjar, Miguel Mollar, Bernabé Marí, Adil Chaboun A) Influence of Zinc content in ternary ZnCdS films deposited by Chemical Bath Deposition for Photovoltaic Applications <i>ECS Journal of Solid State Science and Technology</i> , 7 (8) P1-P5 (2018) DOI: 10.1149/2.0021808jss
221	Khattak, Yousaf Hameed; Baig, Faisal; Ullah, Shafi; Marí, Bernabé; Beg, Saira; Ullah, Hanif Efficiency Enhancement of Cu₂FeSnS₄ Based Thin Film Solar Cell: A Numerical Analysis <i>Journal of Nanoelectronics and Optoelectronics</i> , Volume 13, Number 7, July 2018, pp. 1096-1101(6) doi.org/10.1166/jno.2018.2337 . Publication date: 1/july/2018
220	F. Bouhjar, B. Marí and B. Bessaïs Hydrothermal fabrication and characterization of ZnO/Fe₂O₃ heterojunction devices for hydrogen production. <i>Journal of Analytical & Pharmaceutical Research. J Anal Pharm Res.</i> 2018;7(3):315–321. Open Acces Journal. DOI: 10.15406/japlr.2018.07.00246 . Published: June 08, 2018
219	Faisal Baig, Yousaf Hameed Khattak, Shafi Ullah, Bernabé Marí Soucase, Saira Beg, Hanif Ullah Numerical analysis a guide to improve the efficiency of experimentally designed solar cell <i>Applied Physics A</i> (2018) 124:471. Published online: 05 June 2018 https://doi.org/10.1007/s00339-018-1877-x
218	NAVEEN VERMA, Bernabé Marí Soucase, Krishan Chander Singh, Anuj Mittal, Suprabha Yadav, Jitender Jindal Enhanced luminescence by tunable coupling of Eu³⁺ and Tb³⁺ in ZnAl₂O₄: Eu³⁺: Tb³⁺ phosphor synthesized by solution combustion method <i>Journal of the Australian Ceramic Society</i> (2018) https://doi.org/10.1007/s41779-018-0223-2 Accepted 4 June 2018. Publisher Name: Springer Singapore. Print ISSN: 2510-1560
217	Faisal Baig, Yousaf Hameed Khattak, Bernabé Marí, Saira Beg, Syed Rizwan Gillani, Abrar Ahmed Mitigation of Interface Recombination by Careful Selection of ETL for Efficiency Enhancement of MASnI₃ Solar Cell <i>Optik</i> (2018) Available online 1 June 2018 https://doi.org/10.1016/j.ijleo.2018.05.135
216	FAISAL BAIG, YOUSAF HAMEED KHATTAK, BERNABÉ MARÍ, SAIRA BEG, ABRAR AHMED and KHURRAM KHAN

	<p>Efficiency Enhancement of CH₃NH₃SnI₃ Solar Cells by Device Modeling Journal of ELECTRONIC MATERIALS (2018). Published on line: 04 June 2018 https://doi.org/10.1007/s11664-018-6406-3</p>	Clave: A
215	<p>B) Hamza Bayad, Ahmed El Manouni, Bernabé Marí, Yousaf H. Khattak, Shafi Ullah, Faisal Baig Influence of P⁺-ZnTe back surface contact on photovoltaic performance of ZnTe based solar cells <i>Optical and Quantum Electronics</i> (2018) 50:259 DOI: 10.1007/s11082-018-1530-0 Published online: 12 June 2018 link: https://rdcu.be/ZI22</p>	
214	<p>Ahmed Ziti, Bouchaib Hartiti, Hicham Labrim, Salah Fadili, Abderraouf Ridah, Soucase Bernabé Mari, Miguel Mollar, and Philippe Thevenin Elaboration and Characterization of Cu₂ZnSnS₄ (CZTS) Absorber Layer by Sol Gel Method for Solar Cells Applications Mater. Focus 7, 473–479 (2018) ISSN 2169-429X (Print); ISSN 2169-4303 (Online) http://www.ingentaconnect.com/content/asp/mf/2018/00000007/00000003#expand/collapse (Falta descargar paper)</p>	Clave: A
213	<p>S. Saber, M. Mollar, A. M. El Nahrawy, N. M. Khattab, A. A. Eid, M. M. Abo-Aly, B. Marí Annealing study of electrodeposited CuInSe₂ and CuInS₂ thin films <i>Optical and Quantum Electronics</i> (2018) 50:248 DOI: 10.1007/s11082-018-1521-1 Published online: 2 June 2018. link: https://rdcu.be/Zmgt</p>	
212	<p>Yousaf Hameed Khattak, Faisal Baig, Bernabé Marí, Saira Beg, Syed Rizwan Gillani, Tanveer Ahmed Effect of CdTe Back Surface Field on the efficiency enhancement of a CGS based thin film kesterite solar cell <i>Journal of Electronic Materials</i> (2018). Published on line: 31 May 2018 doi.org/10.1007/211664-018-6405-4</p>	
211	<p>Bernabé Marí, Miguel Mollar, Amany El Nahrawy, Suzan Saber, Nagwa Khattab, Ali Eid, Mohamed Abo-Aly, Feriel Bouhjar Single Step Electrodeposited Kesterite Cu₂ZnSnS₄ (CZTS) thin films at Low annealing temperatures as a function of time <i>Insights in Analytical Electrochemistry Vol.4 No.1:8, 2018</i> (Open Accces Journal, ISSN 2470-9867) DOI: 10.21767/2470-9867.100028</p>	
210	<p>Yousaf Hameed Khattak, Faisal Baig, Shafi Ullah, Bernabé Marí, Saira Beg, Hanif Ullah Enhancement of the Conversion Efficiency of Thin Film Kesterite Solar Cell <i>Journal of Renewable and Sustainable Energy</i> 10, 033501 (2018) https://doi.org/10.1063/1.5023478</p>	
209	<p>Yousaf Hameed Khattak, Faisal Baig, Hanae Toura, Shafi Ullah, Bernabé Marí, Saira Beg, Hanif Ullah Effect of CZTSe BSF and minority carrier life time on the efficiency enhancement of CZTS kesterite solar cell <i>Current Applied Physics</i> 18 (2018) 633-641. doi.org/10.1016/j.cap.2018.03.013</p>	

208	N. Verma, Suprabha Yadav, B. Marí, Anuj Mittal and Jitender Jindal Synthesis and characterization of coupled ZnO/SnO₂ photocatalysts and their activity towards degradation of cibacron red dye <i>Transactions of the Indian Ceramic Society (TCER) vol. 77, no.1, pp. 1-7 (2018)</i> ISSN 0371-750X (Print), ISSN 2165-5456 (Online) dx.doi.org/10.1080/0371750X.2017.1417059	Clave: A
207	M. E. Calixto, A. Mendez-Blas, E. López-Cruz, B. Marí-Soucasse CaF₂ thin films obtained by electrochemical processes and the effect of Tb³⁺ doping concentration on their structural and optical properties <i>Journal of Solid State Electrochemistry, (2018). Published on line: 17 April 2018</i> https://doi.org/10.1007/s10008-018-3954-7	Clave: A
206	A. Mahroug, B. Marí, M. Mollar, I. Boudjadar, L. Guerbous, A. Henni, N. Selmi Studies on structural, surface morphological, optical, luminescence and UV photodetection properties of sol-gel Mg doped ZnO thin films <i>Surface Review and Letters 1850167 (8 pages)</i> Print ISSN: 0218-625X, Online ISSN: 1793-6667. Ed. World Scientific. https://doi.org/10.1142/S0218625X18501676	Clave: A
205	Yousaf Hameed Khattak, Faisal Baig, Shafi Ullah, Bernabé Marí, Saira Beg, Hanif Ullah Numerical Modeling Baseline for high efficiency (Cu₂FeSnS₄) CFTS based Thin Film Kesterite Solar Cell, Optik, Volume 164, Pages 547-555, July 2018. (Available on line 17 March 2018) doi.org/10.1016/j.ijleo.2018.03.055	
204	Feriel Bouhjar, Bernabé Marí Soucasse, Brahim Bessaïs Ultrathin-Layer α-Fe₂O₃ Deposited Under Hematite for Solar Water Splitting <i>Journal of Solid State Electrochemistry. Published on line 22 March 2018.</i> DOI: 10.1007/s10008-018-3946-7	
203	F. Bouhjar, M. Mollar, Shafi Ullah, B. Marí and B. Bessaïs C) Influence of a compact α-Fe₂O₃ layer on the photovoltaic performance of perovskite-based solar cells. <i>Journal of The Electrochemical Society. 165 (2) H1-H9 (2018)</i> Section: Physical and Analytical Electrochemistry, Electrocatalysis, and Photoelectrochemistry. DOI: 10.1149/2.1131802jes	
202	Erika Vega Fleitas, Miguel Mollar García, Bernabé Marí Effect of Guanidinium on the Optical Properties and Structure of the Methyllummonium Lead Halide Perovskites <i>Journal of Alloys and Compounds, Volume 739, 30 March 2018, Pages 1059–1064</i> Available online 20 December 2017. DOI: 10.1016/j.jallcom.2017.12.177	
201	F. Bouhjar, M. Mollar, M.L. Chourou, B. Marí and B. Bessaïs D) Hydrothermal synthesis of Nanostructured Cr-doped hematite with enhanced photoelectrochemical activity. <i>Electrochimica Acta 260, p. 838-846 (2018)</i> doi: 10.1016/j.electacta.2017.12.049	
2017		
200	N. Verma, K.C. Singh, B. Marí, M. Mollar, J. Jindal	

	<p>Luminescence properties of CaAl₂O₄:Eu³⁺, Gd³⁺ phosphors synthesized by combustion synthesis method <i>Acta Physica Polonica</i>, vol 132 (4), pp1261-1264 (2017) DOI: 10.12693/APhysPolA.132.1261</p>
199	<p>D. Soro, M. Sidibé, W.F. Fassinou, B. Marí, Thierno Sall, B. Fofana, B. Aka, S. Touré Synthesis of Perfectly Oriented MAPbCrBr Perovskite Crystals for Thin-Film Photovoltaic Applications International Journal of Innovative Research in Science, Engineering and Technology; Vol. 6, Issue 6, June 2017 ISSN(Online): 2319-8753 ISSN (Print): 2347-6710, DOI:10.15680/IJRSET.2017.0606007</p>
198	<p>Mohamed Rafi, Ahmed Ziti, Soucase Bernabé Marí, Bouchaib Hartiti, Abderraouf Ridah, Philippe Thevenin Structural and optical properties of CuIn_{1-x}GaxS₂ absorber layer for solar cell synthesized by spray pyrolysis Publication Year: 2016, Page(s):34 – 37; Published in: Renewable and Sustainable Energy Conference (IRSEC), 2016 International Date of Conference: 14-17 Nov. 2016; Date Added to IEEE Xplore: 20 July 2017; Electronic ISSN: 2380-7393; INSPEC Accession Number: 17045355; DOI: 10.1109/IRSEC.2016.7984078; Publisher: IEEE; Conference Location: Marrakech, Morocco.</p>
197	<p>José Antonio Galdón Ruiz, Inmaculada Guaita Pradas, Bernabé Marí Soucase Propuesta de equilibrio del sistema eléctrico español para 2030 y su impacto global <i>Técnica Industrial</i> pp. 64-73, vol. 316 (2017) <i>Revista indexada en: Google Academic, Dialnet y Latindex.</i> DOI:10.23800/8867 http://www.tecnicaindustrial.es/TIFrontal/a-8867-propuesta-equilibrio-sistema-electrico-espanol-2030-impacto-global.aspx file:///Users/bmari/Downloads/art%C3%ADculo%20propuesta%20de%20equilibrio%20del%20sistema%20el%C3%A9ctrico%20espa%C3%B1ol%20para%202030%20y%20su%20impacto%20global..pdf</p>
196	<p>José Antonio Galdón Ruiz, Inmaculada Guaita Pradas, Bernabé Marí Soucase Análisis del sistema eléctrico español <i>Técnica Industrial</i> pp. 50-63 vol. 316 (2017) <i>Revista indexada en: Google Academic, Dialnet y Latindex.</i> DOI:10.23800/8866 http://www.tecnicaindustrial.es/TIFrontal/a-8866-analisis-sistema-electrico-espanol.aspx file:///Users/bmari/Downloads/art%C3%ADculo%20an%C3%A1lisis%20del%20sistema%20el%C3%A9ctrico%20espa%C3%B1ol.pdf</p>
195	<p>F. Bouhjar, M.L. Chourou, Shafi Ullah, B. Marí and B. Bessaïs Electrochemical fabrication and characterization of p-CuSCN/n-Fe₂O₃ heterojunction devices for hydrogen production <i>Journal of the Electrochemical Society</i>, 164 (13) H1-H10 (2017). Published on line 29-oct-2017. DOI:10.1149/2.1431713jes</p>
194	<p>Othmane Skhouni, Ahmed El Manouni, Hamza Bayad and Bernabé Marí</p>

	<p>Boosting the Performance of Solar Cells with Intermediate Band Absorbers—The Case of ZnTe:O Journal of Energy and Power Engineering 11 (2017) 417-426 doi: 10.17265/1934-8975/2017.06.007</p>
193	<p>B. Slimi, M. Mollar, I. Ben Assaker, I. Kriaa, R. Chtourou, B. Marí Synthesis and characterization of perovskite FAPbBr_{3-x}I_x thin films for solar cells <i>Monatshefte für Chemie - Chemical Monthly.</i> (2017) 148:835–844 DOI: 10.1007/s00706-017-1958-0</p>
192	<p>Guillermo A. Casas, M. A. Cappelletti, A. P. Cédola, Bernabé Marí Soucase, E.L. Peltzer y Blanca Analysis of the power conversion efficiency of perovskite solar cells with different materials as Hole-Transport Layer by numerical simulations <i>Superlattices and Microstructures</i> 107 (2017) pp. 136-143 http://dx.doi.org/10.1016/j.spmi.2017.04.007</p>
191	<p>Youssef Ammah; Bouchaib Hartiti; Abderraouf Ridah; Abderrazak Lfakir; Bernabé Marí Soucase; Philippe Thevenin Effect of F-doping on structural, electrical, and optical properties of ZnO thin films for optoelectronic application Publication Year: 2016, Page(s):208 – 211; Published in: Renewable and Sustainable Energy Conference (IRSEC), 2016 International Date of Conference: 14-17 Nov. 2016; Date Added to IEEE Xplore: 20 July 2017; Electronic ISSN: 2380-7393; INSPEC Accession Number: 17045411; DOI: 10.1109/IRSEC.2016.7983904; Publisher: IEEE; Conference Location: Marrakech, Morocco.</p>
190	<p>A. Urbaniak, M. Pawłowski, M. Marzantowicz, T. Sall, B. Marí Opto-electrical characterization of In doped SnS thin films for photovoltaic applications <i>Thin Solid Films, Volume 636, 31 August 2017, Pages 158-163</i> (2017) https://doi.org/10.1016/j.tsf.2017.06.001</p>
189	<p>P. Cembrero-Coca, J. Cembrero, D. Busquets-Mataix, M.A. Pérez-Puig and B. Marí, A. Pruna Factorial electrochemical design for tailoring of morphological and optical properties of Cu₂O <i>Materials Science and Technology Vol. 33 (17) pp.2102-2109</i> (2017) Published online: 12 Jul 2017. ISSN: 0267-0836 (Print) 1743-2847 https://doi.org/10.1080/02670836.2017.1349595</p>
188	<p>Lahoucine ATOURKI, Erika Vega, Miguel Mollar, Bernabé Marí, Khalid Bouabid, Ahmed Ihlal Impact of iodide substitution on the physical properties and stability of cesium lead halide perovskite thin films CsPbBr_{3-x}I_x (0 ≤ x ≤ 1) <i>Journal of Alloys and Compounds. Vol. 702, pp.404-409</i> (2017) http://dx.doi.org/10.1016/j.jallcom.2017.01.205</p>
187	<p>S. Ullah, H. Ullah, F. Bouhjar, M. Mollar and B. Marí Synthesis of in-gap band CuGaS₂:Cr absorbers and numerical assessment of their performance in solar cells <i>Solar energy materials and solar cells Vol 180, pp. 322-327</i> (2018) http://dx.doi.org/10.1016/j.solmat.2017.06.062</p>
186	<p>Thierno Sall, Miguel Mollar, Bernabé Marí Soucase</p>

	<p>Tin-mono-sulfide (SnS) Thin Films Prepared by Chemical Spray Pyrolysis with Different [S]/[Sn] Ratios <i>Optical and Quantum Electronics 49:386 (2017) (9 pages)</i> DOI: 10.1007/s11082-017-1219-9</p>
185	<p>Ahmed Ziti, Bouchaib Hartiti, Salah Fadili, Abderraouf Ridah, Mohamed Rafi, Bernabé Mari Soucase, Philippe Thevenin and Miguel Mollar Synthesis and characterisation of Cu₂ZnSnS₄ thin films prepared by sol gel method for photovoltaic applications Publication Year: 2016, Page(s): 34 – 37; Published in: Renewable and Sustainable Energy Conference (IRSEC), 2016 International Date of Conference: 14-17 Nov. 2016; Date Added to IEEE Xplore: 20 July 2017; Electronic ISSN: 2380-7393; INSPEC Accession Number: 17045389; DOI: 10.1109/IRSEC.2016.7984065; Publisher: IEEE; Conference Location: Marrakech, Morocco.</p>
184	<p>Shafi Ullah, Hanif Ullah, Miguel Mollar, Bernabé Marí Fabrication of Cd_{1-x}Zn_xS Buffer layer Deposited by Chemical Bath Deposition for Photovoltaic Applications Publication Year: 2016, Page(s):94 – 97; Published in: Renewable and Sustainable Energy Conference (IRSEC), 2016 International Date of Conference: 14-17 Nov. 2016; Date Added to IEEE Xplore: 20 July 2017; Electronic ISSN: 2380-7393; INSPEC Accession Number: 17031729; DOI: 10.1109/IRSEC.2016.7983932; Publisher: IEEE; Conference Location: Marrakech, Morocco</p>
183	<p>B. Marí Soucase, I. Guaita-Pradas, J. Pons Aleman Design of a solar system installation in Marrakesch using the Skelion software tool Publication Year: 2016, Page(s):717 – 721; Published in: Renewable and Sustainable Energy Conference (IRSEC), 2016 International Date of Conference: 14-17 Nov. 2016; Date Added to IEEE Xplore: 20 July 2017; Electronic ISSN: 2380-7393; INSPEC Accession Number: 17045469 ; DOI: 10.1109/IRSEC.2016.7983898; Publisher: IEEE; Conference Location: Marrakech, Morocco.</p>
183	<p>Faisal Baig, Hanif Ullah, Yousaf H. Khattak and B. Marí Soucase Numerical Analysis of SnS Photovoltaic Cells Publication Year: 2016, Page(s):596 – 600; Published in: Renewable and Sustainable Energy Conference (IRSEC), 2016 International Date of Conference: 14-17 Nov. 2016; Date Added to IEEE Xplore: 20 July 2017; Electronic ISSN: 2380-7393; INSPEC Accession Number: 17045480 ; DOI: 10.1109/IRSEC.2016.7983899; Publisher: IEEE; Conference Location: Marrakech, Morocco.</p>
182	<p>M. Sahal, M. Mollar, B. Marí n- and p-type doping of electrodeposited ZnO Publication Year: 2016, Page(s):11-15; Published in: Renewable and Sustainable Energy Conference (IRSEC), 2016 International Date of Conference: 14-17 Nov. 2016; Date Added to IEEE Xplore: 20 July 2017; Electronic ISSN: 2380-7393; INSPEC Accession Number: 17031730; DOI: 10.1109/IRSEC.2016.7984057; Publisher: IEEE; Conference Location: Marrakech, Morocco.</p>
181	<p>Zineb ESSALHI, Ph.D; Bouchaib HARTITI; Abderrazak LFAKIR; Bernabé MARÍ; Philippe THEVENIN</p>

	<p>Optoelectronic properties of TiO₂:Cu thin films obtained by sol gel method Optical and Quantum Electronics. September 2017, 49:301. Published on line: 18 August 2017. Print ISSN: 0306-8919. Online ISSN: 1572-817X https://doi.org/10.1007/s11082-017-1142-0</p>
180	<p>M. Sahal, B. Marí and R. Sersar Preparation of intrinsic and Al-doped ZnO thin layers by Spray Pyrolysis Publication Year: 2016, Page(s):252 – 256; Published in: Renewable and Sustainable Energy Conference (IRSEC), 2016 International Date of Conference: 14-17 Nov. 2016; Date Added to IEEE Xplore: 20 July 2017; Electronic ISSN: 2380-7393; INSPEC Accession Number: 17045477; DOI: 10.1109/IRSEC.2016.7984051; Publisher: IEEE; Conference Location: Marrakech, Morocco.</p>
179	<p>Sampson Oladapo OYEDELE, Boko AKA et Bernabé MARÍ SOUCASE Optimisation des paramètres photovoltaïques du CIGS a l'aide du simulateur AMPS-1D Afrique SCIENCE 13(2) (2017) 274 – 283. ISSN 1813-548X; http://www.afriquescience.info</p>
178	<p>Abdelhak Nouri, Abdelkrim Beniaiche, Bernabé Marí Soucase, Hocine Guessas, Amor Azizi, Photoluminescence Study of Eu⁺³ doped ZnO Nanocolumns Prepared by Electrodeposition Method <i>Optik – International Journal for Light and Electron Optics, Volume 139, June 2017, Pages 104–110</i> DOI: 10.1016/j.ijleo.2017.03.075</p>
177	<p>Devender Singh, Vijeta Tanwar, Anura P. Samantilleke, Bernabe Mari, Shri Bhagwan, Krishan C. Singh, Pratap S. Kadyan, Ishwar Singh Synthesis of Sr_(1-x-y)Al₄O₇:Eu_x²⁺, Ln_y³⁺ (Ln= Dy, Y, Pr) Nanophosphors Using Rapid Gel Combustion Process and Their Down Conversion Characteristics <i>ELECTRONIC MATERIALS LETTERS Vol. 13, No. 3 (2017), pp. 222-229</i> DOI: 10.1007/s13391-017-6038-4</p>
2016	
176	<p>Sampson Oladapo OYEDELE, Bernabé MARÍ SOUCASE, Boko AKA Numerical Simulation and Performance Optimization of Cu(In,Ga)Se₂ Solar Cells <i>IOSR Journal of Applied Physics (IOSR-JAP); e-ISSN: 2278-4861. Volume 8, Issue 4 Ver. IV (Jul. - Aug. 2016), PP 01-11 www.iosrjournals.org</i> DOI: 10.9790/4861-0804040111</p>
175 (25)	<p>D. Soro, B. Fofana, M. Sidibé, B. Aka, B. Marí, S. Touré Compositional, structural and optical properties analysis of β-In₂S₃ Thin Films Prepared by Chemical Spray Pyrolysis and Electrochemical Deposition Techniques <i>International Research Journal of Engineering and Technology (IRJET) Volume: 03 Issue: 11 Nov -2016 pp 1-5 e-ISSN: 2395 -0056; p-ISSN: 2395-0072</i></p>
174	<p>Samuel De La Luz-Merino, Ma. Estela Calixto, Antonio Méndez-Blas, Bernabé Marí-Soucase Electrodeposition and characterization of one-dimensional CuInSe₂ nanostructures in mesoporous silicon templates</p>

	<p><i>Mesoporous Biomater.</i> 2016; 3:67 ISSN: 2300-2271 (Open Access) DOI: 10.1515/mesbi-2016-0009</p> <p style="text-align: right;">Clave: A</p>
173	<p>Naveen Verma, Jitender Jindal, Krishan Chander Singh, and Bernabé Marí Synthesis and characterization of nanoporous anodic oxide film on aluminum in H₃PO₄ + KMnO₄ electrolyte mixture at different anodization conditions <i>AIP Conference Proceedings</i> 1724, 020044 (2016); doi: 10.1063/1.4945164 Clave: Proceedings</p>
172	<p>Naveen Verma, Bernabé Marí, Krishan Chander Singh, Jitender Jindal, Miguel Mollar, Ravi Rana, A. L. J. Pereira and F. J. Manjón Structural and optical properties of Ta₂O₅:Eu³⁺: Mg²⁺ or Ca²⁺ phosphor prepared by molten salt method <i>AIP Conference Proceedings</i> 1724, 020082 (2016); doi: 10.1063/1.4945202</p>
171	<p>Bernabé Marí, Krishan Chander Singh, Naveen Verma, Optical properties of Yb³⁺ doped ZnO/MgO nanocomposites <i>Ceramics International</i> 42, Issue 11, 15 August 2016, Pages 13018–13023. Published online 14 May 2016 http://dx.doi.org/10.1016/j.ceramint.2016.05.079</p>
170	<p>N.Verma, K. C. Singh, J. Jindal, B. Marí, M. Mollar Structural and electrochemical impedance spectroscopic studies of anodic oxide film on zirconium fabricated in different aqueous electrolytes <i>Journal of the Australian Ceramic Society</i> Volume 52[2], 2016, 111 – 119A</p>
169	<p>Jose Antonio Galdón Ruiz, Bernabé Marí Soucase, Inmaculada Guaita Pradas. La Dependencia Energética en España por Sectores y su Impacto Económico <i>Técnica Industrial</i>, junio 2016, 314: 46-55</p>
168	<p>A. Burgos, F. Cataño, B. Marí, R. Schrebler, H. Gómez Pulsed Electrodeposition of Tin Sulfide Thin Films from Dimethylsulfoxide Solutions <i>Journal of The Electrochemical Society</i>, 163 (9) D562-D567 (2016) DOI: 10.1149/2.1341609jes</p>
167	<p>Lahoucine Atourki, Erika Vega, Bernabé Marí, Miguel Mollar, Hassan Ait Ahsaine, Khalid Bouabid and Ahmed Ihlal; MAPbl_{2.9-x}Br_xCl_{0.1} hybrid halide perovskites: Shedding light on the effect of chloride and bromide ions on structural and photoluminescence properties. <i>Applied Surface Science</i> 390 (2016)744-750 dx.doi.org/10.1016/j.apsusc.2016.08.176</p>
166	<p>Thierno Sall, Miguel Mollar, Bernabé Marí, J.A. Sans SnS Thin Films Prepared by Chemical Spray Pyrolysis at Different Substrate Temperatures for Photovoltaic Applications <i>Journal of Electronic Materials</i> 46(3), 1714-1719 (2017) DOI: 10.1007/s11664-016-5215-9 First Online: 04 January 2017</p>
165	<p>Erika Vega, Miguel Mollar, Bernabé Marí Soucase Bandgap Tuning of MAPbl_{3-x} Br_x Thin Film Perovskites for Photovoltaic Applications 2015 3rd International Renewable and Sustainable Energy Conference (IRSEC) IRSEC 2015 International, p.1-5 Print ISBN: 978-1-4673-7893-2. Publisher: IEEE DOI: 10.1109/IRSEC.2015.7455117</p>

164	<p>Krishna Raj Adhikari, Shekhar Gurung, Binod Kumar Bhattarai, Bernabé Marí</p> <p>Dependence of perovskite solar cells performance on temperature and solar irradiation</p> <p><i>2015 3rd International Renewable and Sustainable Energy Conference (IRSEC) IRSEC 2015 International</i>, p.1-6 Print ISBN: 978-1-4673-7893-2. Publisher: IEEE DOI: 10.1109/IRSEC.2015.7455146</p>
163	<p>Inmaculada Guaita-Pradas, Inmaculada Marqués Pérez, Bernabé Marí Soucase</p> <p>Economical And Financial Study of Photovoltaic Energy Production in Africa. Case of Morocco, Côte d'Ivoire and South Africa</p> <p><i>2015 3rd International Renewable and Sustainable Energy Conference (IRSEC) IRSEC 2015 International</i>, pages 1-6. Print ISBN: 978-1-4673-7893-2. Publisher: IEEE DOI: 10.1109/IRSEC.2015.7455147</p>
162	<p>J. Pons Aleman, B. Marí Soucase, I. Guaita Pradas</p> <p>SKELION: THE 3D SIMULATION TOOL FOR PV SYSTEMS</p> <p><i>32nd European Photovoltaic Solar Energy Conference and Exhibition EU PVSEC 2016, 20 - 24 June 2016, Munich. Proceedings pages 1939-1941 (2016)</i></p> <p>ISBN: 3-936338-41-8 DOI: 10.4229/EUPVSEC20162016-5BV.2.18 http://www.eupvsec-proceedings.com/proceedings?char=5&paper=37095</p>
161	<p>Naveen Verma, Bernabe Marí, Krishan Chander Singh, Jitender Jindal, Miguel Mollar, and Suprabha Yadav</p> <p>Luminescence properties of ZnMoO₄:Eu³⁺:Y³⁺ materials synthesized by solution combustion synthesis method</p> <p><i>AIP Conference Proceedings 1724, 020122 (2016); doi: 10.1063/1.4945242s</i></p>
160 (10)	<p>J. M. Gracia Jiménez, J. Cembrero, M. Mollar, B. Marí</p> <p>Photoluminescent properties of electrochemically synthesized ZnO nanotubes</p> <p><i>Materials characterization 119, p.152-158 (2016)</i> doi:10.1016/j.matchar.2016.07.022</p>
159	<p>B. Slimi, M. Mollar, I. Ben Assaker, I. Kriaa, R. Chtourou, B. Marí</p> <p>Perovskite FA_{1-x}MA_xPbI₃ for solar cells: films formation and properties</p> <p><i>Energy Procedia 102 (2016) 87-95. DOI: 10.1016/j.egypro.2016.11.322</i></p>
158	<p>B. Slimi, I. Ben Assaker, A. Kriaa, R. Chtourou, B. Marí</p> <p>One step electrodeposition of Ag-decorated ZnO nanowires</p> <p><i>Journal of Solid State Electrochemistry May 2017, Volume 21, Issue 5, pp 1253–1261</i> <i>First online 30/11/2016 DOI: 10.1007/s10008-016-3476-0</i></p>
157	<p>Devender Singh, Vijeta Tanwar, Anura P. Simantilleke, Shri Bhagwan, Bernabé Marí, Pratap Singh Kadyan, Krishan Chander Singh, Ishwar Singh</p> <p>Synthesis and enhanced luminescent characterization of SrAl₄O₇:Eu²⁺,RE³⁺ (RE= Nd, Dy) nanophosphors for light emitting applications</p> <p><i>Journal of Material Sciences: Materials in Electronics. ISSN 0957-4522</i> <i>Published on line: 03 February 2016. DOI 10.1007/s10854-016-4428-2</i></p>
156	<p>Thierno Sall, Miguel Mollar, Bernabé Marí,</p> <p>Substrate Influences on the Properties of SnS Thin Films Deposited by Chemical Spray Pyrolysis Technique for Photovoltaic Applications</p> <p><i>Journal of Materials Science 51 (6) pp. 7607-7613 (2016) DOI: 10.1007/s10853-016-0039-9.</i> Published on line 12 May 2016</p>
155	<p>Devender Singh, Vijeta Tanwar, Anura P. Samantilleke, Bernabé Marí, Shri Bhagwan, Pratap Singh Kadyan, Ishwar Singh</p>

	<p>Preparation and Photoluminescence Properties of SrAl₂O₄:Eu²⁺,RE³⁺ Green Nanophosphors for Display Device Applications <i>Journal of Electronic Materials</i>. Published on line: 06 January 2016. Print ISSN: 0361-5235. Online ISSN: 1543-186X DOI: 10.1007/s11664-015-4318-z</p>
154	<p>Shafi Ullah, Miguel Mollar, Bernabé Marí Electrodeposition of CuGaSe₂ and CuGaS₂ Thin Films for Photovoltaic Applications <i>Journal of Solid State Electrochemistry</i>, vol. 20, pp. 2251-2257 (2016) DOI: 10.1007/s10008-016-3237-0</p>
153	<p>Lahoucine Atourki, Erika Vega, Bernabé Marí, Miguel Mollar, Hassan Ait Ahsaine, Khalid Bouabid and Ahmed Ihlal Role of the chemical substitution on the structural and luminescence properties of the mixed halide perovskite thin MAPbI_{3-x}Br_x (0 ≤ x ≤ 1) films <i>Applied Surface Science</i> 371 pp. 112–117 (2016) DOI: 10.1016/j.apsusc.2016.02.207</p>
152	<p>Devender Singh, Vijeta Tanwar, Anura P Samantilleke, Bernabé Marí, Pratap S. Kadyan, Ishwar Singh Rapid synthesis and photoluminescence characterization of MAI₂O₄:Eu²⁺, Dy³⁺ (MA=Ca/Ca + Ba/Ca + Mg) blue nanophosphors for white lighting display applications <i>Advanced Materials Letters</i> 2016, 7 (1), 47-53 DOI: 10.5185/amlett.2016.6103 ISSN: 0976397X; 09763961 (Sherpa/RoMEO, JCR)</p>
151 (1)	<p>N. Verma, K.C. Singh, B. Marí, M. Mollar and J. Jindal Anodic Oxide Films on Niobium and Tantalum in Different Aqueous Electrolytes and Their Impedance Characteristics <i>ACTA PHYSICA POLONICA A</i> 129, 297-303 (2016) DOI: 10.12693/APhysPolA.129.297</p>
2015	
150	<p>Bernabé Marí Soucase, Inmaculada Guaita-Pradas, Krishna R. Adhikari, Numerical Simulations in Perovskite Photovoltaic Devices http://dx.doi.org/10.5772/61751 ISBN 978-953-51-4587-5. Book chapter, pp. 445-488. Book title "Perovskite Materials - Synthesis, Characterisation, Properties, and Applications" Dr. Likun Pan (Ed.), ISBN: 978-953-51-2245-6, INTECH. Available from: http://www.intechopen.com/books/perovskite-materials-synthesis-characterisation-properties-and-applications/numerical-simulations-on-perovskite-photovoltaic-devices</p>
149	<p>T. Sall, B. Marí Soucase, M. Mollar, M. Aggour, M. Fahoume, H. Ullah Growth and Characterization of β-In₂S₃ Thin Films Prepared by Chemical Spray Pyrolysis Technique With and Without Alcoholic Solution 2014 International Conference on Energy Systems and Policies (ICESP) Pages 269-274. Date 24-26 Nov. 2014. Islamabad (Pakistan). IEEE Conference Publications. ISBN: 978-1-4799-6555-7 INSPEC Accession number: 15651016 DOI: 10.1109/ICESP.2014.7347015</p>
148	<p>Krishna R. Adhikari, Shekhar Gurung, Binod K. Bhattarai, and Bernabé Marí Soucase Comparative study on MAPbI₃ based solar cells using different electron transporting materials <i>Physica Status Solidi C</i> 13. No. 1, 13-17 (2016) Published online 23 December 2015</p>

	DOI 10.1002/pssc.201510078
147	Chunyu Liu, Yongjian Chen, Haining Cui, B. Marí, Rong Wang The aggregation structure of flat pentagonal flake ZnO films by electrodeposition method. <i>3rd International Conference on Material, Mechanical and Manufacturing Engineering (IC3ME 2015). Guangzhou, China, June 27-28 (2015). Proceedings of the 3rd International Conference on Material, Mechanical and Manufacturing Engineering. ISBN (on-line): 978-94-6252-100-1. ISSN 2352-5401, volume 27. Published by Atlantis Press (2015).</i>
146	Othmane Skhouni, Ahmed El Manouni, Bernabe Marí, Hanif Ullah Numerical Study of the Influence of ZnTe thickness on CdS/ZnTe Solar Cell Performance. <i>The European Physical Journal Applied Physics (2016) 74:24602</i> DOI: 10.1051/epjap/2015150365 . Published on line 2/September/2015.
145	Erika Vega, Miguel Mollar and Bernabé Marí Synthesis of MAPbBr_{3-i}X_i (X=I, Cl; i=0, 1, 2, 3) perovskite thin films <i>Physica Status Solidi C 13. No1, 30-34 (2016). Published online 2 November 2015</i> DOI: 10.1002/pssc.201510107
144	GUAITA-PRADAS Inmaculada, MARÍ SOUCASE Bernabé, BOKO Aka Production d'énergie et analyse financière d'une installation photovoltaïque en Côte d'Ivoire <i>Africa Science, Vol. 11, N° 2, pp. 1008-1011 (2015) 1 mars 2015,</i> http://www.afriquescience.info/document.php?id=4462 . ISSN 1813-548X.
143	Devender Singh, Vijeta Tanwar, Anura P Simantilke, Bernabé Marí, Pratap Singh Kadyan, Ishwar Singh Rapid synthesis and enhancement in down conversion emission properties of BaAl₂O₄:Eu²⁺,RE³⁺ (RE³⁺=Y, Pr) nanophosphors <i>Journal of Materials Science: Materials in Electronics (JMSE). Published on line 14 November 2015. ISSN 0957-4522.</i> DOI: 10.1007/s10854-015-4020-1
142	A. Gamiz-González, A.E. Piskin, C. Pandis, C. Chatzimanolis-Moustakas, A.Kryritsis, B.Marí, J.L Gomez Ribelles, A. Vidaurre Determining the influence of N-acetylation on water sorption in chitosan films <i>Carbohydrate Polymers 133, p. 110-116 (2015)</i> doi: 10.1016/j.jlumin.2010.10.035
141	Inmaculada Guaita-Pradas, Shafi Ullah, Bernabé Marí Soucase Sustainable development with photovoltaic energy in India and Pakistan <i>International Journal of Renewable Energy Research (IJRER) Vol. 5, No. 2, p.575-580 (2015)</i>
140	T. Sall, B. M. Soucase, M. Mollar, M. Fahoume, H. Ullah Influence of Alcohol Percentage on the β-In₂S₃ Thin Films Properties Deposited by Chemical Spray Pyrolysis Technique for Photovoltaic Applications <i>3rd International Conference on Energy, Environment & Sustainable Development (EESD2014) MUET Jamshoro, Pakistan, October 22-24, 2014</i>
139	Hanif Ullah, Shafi Ullah, Bernabé Marí Soucase Baseline of numerical simulations for ZnTe based thin-film solar cells

	<p>2014 International Conference on Energy Systems and Policies (ICESP) Pages 171-176 Date 24-26 Nov. 2014. Islamabad (Pakistan). IEEE Conference Publications. IBSN: 978-1-4799-6555-7 INSPEC Accession number: 15651016 DOI: 10.1109/ICESP.2014.7347013</p>
138	<p>B. Marí, K. C. Singh, N.Verma, M. Mollar, J. Jindal Luminescence properties of the Eu²⁺ /Eu³⁺ activated Barium aluminate phosphors with varies Gd³⁺ concentration <i>Transaction of the Indian Ceramic Society.</i> 74 (3) pp.157-161 (2015) DOI: 10.1080/0371750X.2015.1082932 ISSN: 0371-750X (Print) 2165-5456 (Online)</p>
137	<p>M. Abellán, M. Moya, B. Marí Electrochemical synthesis of hexagonal hollow ZnO nanostructures <i>International Journal of Current Research,</i> ISSN: 0975-833X, Vol. 7 Issue 3, pp. 13241-13245, March, 2015</p>
136	<p>Inmaculada Guaita-Pradas, Inmaculada Bartual-San Feliu, Bernabé Marí Soucase Profitability and Sustainability of Photovoltaic Energy Plants in Spain <i>International Journal of Sustainable Economy,</i> Vol. 7, No. 3, 169-186 (2015)</p>
135	<p>Naveen Verma, Krishan Chander Singh, Bernabé Marí, Jitender Jindal Influence of anodization parameters of first step on structural features of porous anodic alumina (PAA) finally formed in phosphoric acid <i>Journal of the Indian Chemical Society</i> 92(8): 1237-1243 (2015) ISSN: 0019-4522</p>
2014	
134	<p>T. Sall, B. Marí, M. Mollar, M. Fahoume β-In₂S₃ Thin Film Doped by Tin (Sn⁴⁺) and Deposited by Chemical Spray Pyrolysis Technique for Photovoltaic Applications <i>Renewable and Sustainable Energy Conference (IRSEC), 2014 International ,</i> p.667-671 Print ISBN: 978-1-4799-7335-4. Publisher: IEEE DOI: 10.1109/IRSEC.2014.7059889</p>
133	<p>Hanif Ullah, Bernabé Marí Soucase, O. Skhouni, A. El Manouni A numerical simulation study of ZnTe-based solar cells <i>Renewable and Sustainable Energy Conference (IRSEC), 2014 International ,</i> p.686-690 Print ISBN: 978-1-4799-7335-4. Publisher: IEEE DOI: 10.1109/IRSEC.2014.7059791</p>
132	<p>I. Guaita-Pradas, B. Marí Soucase Energy Production in PV plants regarded as economic investments. An assessment for PV investments in Germany, Spain and Morocco. <i>Renewable and Sustainable Energy Conference (IRSEC), 2014 International ,</i> p.37-41 Print ISBN: 978-1-4799-7335-4. Publisher: IEEE DOI: 10.1109/IRSEC.2014.7059916</p>
131	<p>He Wang, Yong Jian Chen, Feng Xu, Hai Ning Cui, Bernabé Marí, Miguel Mollar, Rong Wang Electrodeposition of ZnO Thin Films on a Flexible Conductive Substrates <i>Advanced Materials Research,</i> 986-987, p. 63-67 (2014) Doi: 10.4028/www.scientific.net/AMR.986-987.63</p>

130	Naveen Verma, Krishan Chander Singh, Bernabé Marí, Hari Om, Jitender Jindal Fabrication of Porous Anodic Alumina by Two Step Anodic Oxidation and Photo Luminescent Properties of Doped and Undoped Alumina <i>Chemical Science Review and Letters</i> 3(11), 597-602 (2014) ISSN 2278-6783
129	Devender Singh, Vijeta Tanwar, Shri Bhagwan, Sonika, Pratap S. Kadyan, Bernabé Marí E) Synthesis and Luminescent Characterization of MAIO₃:Eu³⁺ Red Nanophosphors <i>Advanced Science Letters, Volume 20, Numbers 7-9, July 2014, pp. 1726-1729(4)</i> ISSN: 1936-6612 (Print): EISSN: 1936-7317 (Online) (2010 Impact Factor: 1.253). American Scientific Publishers. DOI: 10.1166/asl.2014.5736
128	I. Guaita-Pradas, B. Marí Soucase Needs of multidisciplinary training for engineers: Efficiency, sustainability and profitability of Photovoltaic Energy Plants <i>American Journal of Energy Science</i> 2014; 1(3): 23-29. Published online November 10, 2014 (http://www.openscienceonline.com/journal/energy) (Open Acces Journal Ed. Open Science)
127	B. Marí, K.C. Singh, Monica Moya, Ishwar Singh, Hari Om and Subhash Chand Synthesis and down conversion emission property of Eu³⁺ doped LaAlO₃ CsAlO₂ and LiLaO₂ phosphors <i>Optical and Quantum Electronics</i> 47: 1569-1578 (2014) DOI: 10.1007/s11082-014-9997-9
126	HANIF ULLAH, BERNABÉ MARÍ and LUIS M. SÁNCHEZ RUIZ Comparative analysis of CIGS thin film and Multilayer Solar cells <i>International Conference on Engineering Education and Research; 2-6 June 2014, Riga, Latvia (2014). Paper 136.</i> ISBN 978-9934-10-560-9 (printed); ISBN 978-9934-10-561-69 (electronic) s
125	I. Guaita-Pradas, L.M. Sánchez Ruiz, B. Marí Soucase Capital budgeting for renewable energy plants <i>International Conference on Engineering Education and Research; 2-6 June 2014, Riga, Latvia (2014) Paper 130.</i> ISBN 978-9934-10-560-9 (printed); ISBN 978-9934-10-561-69 (electronic)
124	A. Idbah, A. Nafidi, B. Marí Soucase, M. Mollar García, Temperature induction of a resonant state and the transition semiconductor-semimetal in bands Structure and electronic transport in HgTe/CdTe nanostructure superlattice. <i>Conference Paper, Asia Communications and Photonics Conference 2013, OSA Technical Digest (online) (Optical Society of America, 2013)</i> ISBN: 978-1-55752-989-3 dx.doi.org/10.1364/ACP.2013.AF3B.2
123	Thierno Sall, Bernabé Marí Soucase, Miguel Mollar, Bouchaib Hartitti, Mounir Fahoume Spray pyrolysis of In₂S₃ thin films deposited at different temperatures <i>Journal of Physics and Chemistry of Solids</i> 76, pp.100-104 (2015) DOI: 10.1016/j.jcps.2014.08.007
122 (9)	HANIF ULLAH and BERNABE MARÍ Numerical Analysis of SnS based Polycrystalline Solar Cells <i>Superlattices and Microstructures</i> 72 (2014) 148-155

	doi: 10.1016/j.spmi.2014.03.042
121	D. Soro, B. Marí, B. Aka and M. Estela Calixto The influence of cadmium ions source on the morphology, structural and optical properties of CdS thin films <i>JP Journal of Solids and Structures</i> , Volume 7, Number 2, 2013, Pages 45-57 ISSN: 0973-5615 Available online at http://pphmj.com/journals/jpss.htm
120	O. Skhouni, A. El Manouni, M. Mollar, R. Schrebler, B. Marí ZnTe thin films grown by electrodeposition technique on FTO substrates <i>Thin Solid Films Volume 564</i> , 1 August 2014, Pages 195-200 (2014) doi: 10.1016/j.tsf.2014.06.002
119	M. Moya, B. Marí and M. Mollar Fabricación y caracterización de nanoestructuras de ZnO y películas híbridas de ZnO/Eosin-Y para la conversión de energía. <i>Ingenium Revista de la Facultad de Ingeniería</i> , Año 14, nº 27 Enero-Junio de 2013, pp131-139(2013)
118	Inmaculada Guaita-Pradas, Bernabé Marí Soucase Endorse of renewable energy plants, still an alternative investment in Spain? <i>SOP Transactions on Economics Research (ER) Vol. 1, Num. 2, p.1-9 (2014)</i> COPYRIGHT© Scientific Online Publishing (Published on line 04/06/2014) ISSN (Print):2372-3246 ISSN (Online): 2372-3254 - DOI: 10.15764/ER.2014.02001
117	Naveen Verma, Krishan Chander Singh, Bernabé Marí and Jitender Fabrication and Structural Studies of Porous Anodic Oxid Films on Pure Aluminium and Aluminium Alloy (AA 1100) <i>Chem. Sci. Trans.</i> , 2014, 3(2), pp 556-561 ISSN/E-ISSN: 2278-3458/2278-3318 - DOI:10.7598/cst2014.726
116	T. Sall, A. Nafidi, B. Marí Soucase, M. Mollar, B. Hartitti, M. Fahoume Synthesis of In₂S₃ thin films by spray pyrolysis from precursors with different [S]/[In] ratios <i>Journal of Semiconductors Vol. 35, No. 6, 063002-5 (2014)</i> DOI: 10.1088/1674-4926/35/6/063002
115	V. Ferrando, J. Castro, J.A. Monsoriu, B. Marí Fibonacci sequence based quantum superlattices <i>Modern Physics Letters B Vol. 28 (2014) 1450053 (9 pages) 13/02/2014</i> DOI: 10.1142/S0217984914500535
114	H. Ullah, B. Marí, H. Cui; Investigation on the Effect of Gallium on the Efficiency of CIGS Solar Cells through Dedicated Software <i>Applied Mechanics and Materials</i> , Volumes 448 – 453, p. 1497-1501 (2014) DOI: 10.4028/www.scientific.net/AMM.448-453.1497
2013	
113	Jesús Cembrero Cil, Miguel Angel Pérez Puig, Emilio Rayón Encinas, David Busquets Mataix, Paula Cembrero Coca, Manuel Pascual Guillamón, Bernabé Marí Soucase Introducción a la Nanotecnología. Desarrollo de un proceso teórico-práctico mediante la técnica de electrodeposición.

	Editorial Universitat Politècnica de València. ISBN 978-84-9048-056-4 (2013)
112	Hanif Ullah and Bernabé Marí Boosting the efficiency of CIGS based solar cells using dedicated software <i>Journal of Beijing Institute of Technology (English Edition), Vol. 22, Suppl. 1, pp.100-104 (2013)</i>
111	R. Morghi, A. Nafidi, A. Aboukassim, K. Khallouq, H. Chaib, A. Khala, A. Tirbiyine, A. Taoufik, B. Marí Soucase, M. A. Mollar García, K. C. Singh Remarkable influence of heat treatment on AC irreversibility line and flux pinning properties in $(Y_{1-x}Eu_x)SrBaCu_3O_{6+z}$ <i>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 15, No. 11-12, p. 1306-1310 (2013)</i>
110	T. Sall, B. Hartiti, B. Marí, M. Mollar, L. Laanab, M. Fahoume F) Elaboration and characterization of In_2S_3 thin films by spray pyrolysis with $[S]/[In] = 3$ ratio <i>Renewable and Sustainable Energy Conference (IRSEC), 2013 International. IEEE Xplore p. 58-62 (2013) INSPEC Accession Number: 13580440. Print ISBN: 978-1-4673-6373-0. DOI 10.1109/IRSEC.2013.6529664</i>
109	Hanif Ullah, Bernabé Marí and Luis M. Sánchez Ruiz Modelling and Analysing CIGS Thin-film Solar Cell by SCAPS <i>International Conference on Engineering Education and Research; 1 July - 5 July 2013, Marrakesh (2013)</i>
108	B. Marí-Soucase, P. Cembrero-Coca, M. Mollar, M. E. Calixto Effective electrochemical n-type doping of ZnO thin films for photovoltaic window applications <i>MRS Proceedings / Volume 1538 / pp.215-220 (2013) Copyright © Materials Research Society 2013. ISSN: 1946-4274. DOI: http://dx.doi.org/10.1557/opl.2013.1070</i>
107	T. Sall, A. Raidou, S. Elfarrass, B. Hartiti, B. Marí, A. Qachaou, M. Fahoume Structural, morphological and optical properties of In_2S_3 thin films obtained by SILAR method <i>Optical Quantum Electron, January 2014, Volume 46, Issue 1, pp 247-257. DOI 10.1007/s11082-013-9786-x. Published on line: 2 October 2013</i>
106	Paula Cembrero-Coca, K.C. Singh, M. Mollar, B. Marí Effective electrochemical n-type doping of ZnO thin films for optoelectronic window applications. <i>ECS Journal of Solid State Science and Technology 2 (7), Q1-Q5 (2013). Published on line 27 May 2013 DOI: 10.1149/2.023307jss</i>
105	R. Morghi, A. Nafidi, A. Aboukassim, H. Chaib, H. Charafi, T. Ait Taleb, B. Marí Soucase, M. Mollar García, B. Hartiti, K. C. Singh, K. Khallouq Isovalent Substitution and Heat Treatments Control of T_c, Chain Oxygen Disorder and Structural Phase Transition in High T_c Superconductors $(Y_{1-x}Nd_x)SrBaCu_3O_{6+z}$ <i>J Low Temp Phys DOI 10.1007/s10909-012-0834-x. Published on line 28 November (2012)</i>
104	A. Idbaha, A. Nafidi, K. Khallouq, H. Charifi, H. Chaib, B. Marí Soucase, M. Mollar, K.C. Singh, A. Khalal, M. Massaq, T. El Gouti, T. Ait Taleb Effect of temperature in bands structure, effective mass and correlation

	<p>with magneto-transport properties in a nanostructure far-infrared detector superlattice <i>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</i> Vol. 15, No. 11-12, p. 1275-1279 (2013)</p>
103	<p>M. Valdés, M. Mollar, M. Vázquez, B. Marí Pulse and potentiostatic electrodeposition of CuInSe₂ films on gold coated alumina substrates <i>Journal of Applied Electrochemistry</i> 43: 619-628 (2013). Published on line 20 April 2013. DOI 10.1007/s10800-013-0549-y</p>
102	<p>B. Marí, K.C. Singh, Paula Cembrero-Coca, Ishwar Singh, Devender Singh and Subhash Chand Red emitting MTiO₃ (M = Ca or Sr) phosphors doped with Eu³⁺ or Pr³⁺ with some some cations as co-dopants <i>Displays, Volume 34, Issue 4, October 2013, Pages 346–351 (2013)</i> DOI 10.1016/j.displa.2013.07.003</p>
101	<p>B. Marí, P. Cembrero-Coca, K.C. Singh, R.D. Kaushik and Hari Om Preparation and luminescence properties of MZrO₃:Eu³⁺, A⁺ (M=Ca²⁺ or Ba²⁺ and A=Li⁺ or Na⁺ or K⁺) phosphors with perovskite structure <i>Acta Physica-Chim. Sinica</i> 29 (6), 1357-1362 (2013) doi: 10.3866/PKU.WHXB201304032</p>
100	<p>B. Marí, M. Mollar, D. Soro, R. Henríquez, R. Schrebler, H. Gómez Electrodeposition of In₂S₃ Thin Films onto FTO Substrate from DMSO Solution <i>International Journal of Electrochemical Science</i> 8, 3510-3523 (2013)</p>
2011-2012	
99	<p>A. Idbaha, A. Nafidi, H. Chaib, H. Sahseh, M. Daoud, B. Marí, K.C. Singh, M. Mollar, B. Hartiti Correlation between band structure and magneto-transport properties in HgTe/CdTe two-dimensional far-infrared detector superlattice <i>Journal of Low Temperature Physics</i>. DOI 10.1007/s10909-012-0818-x Published on line 10 November (2012)</p>
98	<p>M. Estela Calixto, Samuel de la Luz-Merino, Antonio Mendez-Blas, Bernabé Marí-Soucase, Preparation and Characterization of Electrodeposited CuInSe₂ Thin Films on Flexible Substrates for Solar Cell Applications; IEEE PUBLICATION TITLE (38th IEEE Photovoltaic Specialist Conference) pp. 002636-002639 (2012). ISSN: 0160-8371. Print ISBN: 978-1-4673-0064-3.</p>
97	<p>Isabel Castilla-Cortázar, Jorge Más-Estellés, José María Meseguer-Dueñas, Jorge Luis Escobar Ivirico, Bernabé Marí, Ana Vidaurre Hydrolytic and enzymatic degradation of a Poly(e-caprolactone) network <i>Polymer Degradation and Stability</i>. 97, pp. 1241-1248 (2012) http://dx.doi.org/10.1016/j.polymdegradstab.2012.05.038</p>
96	<p>B. Marí, K.C. Singh, L. Ortiz, M. Mollar Electrochemical Fabrication and Characterization of p-CuSCn/n-ZnO Heterojunction Devices</p>

	<i>Journal of Solid State Electrochemistry</i> , Volume 17, Issue 3, Page 667-673 (2013), DOI: 10.1007/s10008-012-1913-2
95	M. Tortosa, F. J. Manjón, M. Mollar, and B. Marí ZnO-based spinels grown by electrodeposition <i>Journal of Physics and Chemistry of Solids</i> , 73, pp. 1111-1115 (2012) http://dx.doi.org/10.1016/j.jpics.2012.04.002
94	J. Cembrero, D. Busquets-Mataix, E. Rayón, M. Pascual, M. A. Pérez Puig, B. Marí Control parameters on the fabrication of ZnO hollow nanocolumns <i>Materials Science in Semiconductor Processing</i> 16, 211-216 (2013) http://dx.doi.org/10.1016/j.mssp.2012.04.014
93	A.P. Samantilleke, M. Sahal, M. Tortosa, M. Mollar, B. Marí, M.F. Cerqueira, L. Rebouta and M. Vasilevsky ZnO:Cu Thin Films and p–n Homojunctions Grown by Electrochemical Deposition <i>AIP Conference Proceedings</i> 1399, pp. 115-116 (2011) DOI: 10.1063/1.3666283
92	D. Soro, B. Marí et B. Aka Caractérisation structurale et optique de couches minces de CdS élaborées par CBD <i>Rev. Ivoir. Sci. Technol.</i> , 17 (2011) 17 – 35. ISSN 1813-3290.
91	B. Marí, K.C. Singh, Monica Moya, Ishwar Singh, Hari Om and Subhash Chand Characterization and photoluminescence properties of some CaO, SrO and CaSrO₂ phosphors co-doped with Eu³⁺ and alkali metal ions <i>Optical Materials</i> 34, 1267-1271 (2012) DOI: 10.1016/j.optmat.2012.01.032
90	B. Marí, M. Sahal, M. Mollar, M.F. Cerqueira, A. Samantilleke p-type behavior of electrodeposited ZnO:Cu thin films <i>Journal of Solid State Electrochemistry</i> 16: 2261-2265 (2012) DOI: 10.1007/s10008-011-1635-x
89	Bernabé Marí, K.C. Singh, Miguel Mollar, Mónica Moya, Ravi Rana Growth mechanism and morphology of ZnO/Eosin-Y hybrid films <i>Acta Physico-Chimica Sinica</i> 28 (01), 251-256 (2012) DOI: 10.3866/PKU.WHXB20120121
88	M. Moya, A.P. Samantilleke, M. Mollar, B. Marí Nanostructured hybrid ZnO thin films for energy conversion <i>Nanoscale Research Letters</i> 2011, 6:384 (2011) doi: 10.1186/1556-276X-6-384
87	E. Rayón, J. Cembrero, B. Marí Electrochromic switching of electrodeposited ZnO+Zn₅(OH)₈Cl₂ films <i>Materials Letters</i> 65, 3424-3426 (2011) doi. 10.1016/j.matlet.2011.07.052
86	M. Moya, B. Marí, M. Mollar Electrodeposition of hybrid ZnO/organic dye films <i>Physica Status Solidi C</i> 8, No. 6, 1744–1748 (2011) doi: 10.1002/j.tsf.201000095
85	Chun Zheng, Sheng-Nan Sun, Li-Min Ma, B. Marí, Hai-Ning Cui Ordered Nano-laminated Films and Fluorescence Dynamic Characterization of Tb-bisphthalocyanine <i>Advanced Materials Research Vols.</i> 233-235 (2011) pp 2682-2686 Online available since 2011/May/12 at www.scientific.net

	© (2011) <i>Trans Tech Publications, Switzerland</i> doi:10.4028/www.scientific.net/AMR.233-235.2682
84	A. Samantilleke, M. Sahal, L. Ortiz, M.F. Cerqueira, B. Marí Flexible CuInSe₂ photovoltaic cells fabricated by non-vacuum techniques <i>Thin Solid Films</i> 519, 7272-7275 (2011) doi: 10.1016/j.tsf.2011.01.373
83	A.P. Samantilleke, M.F. Cerqueira, S. Heavens, P. Warren, I.M. Dharmadasa, G.E.A. Muftah, C.J.R. Silva, B. Marí Characterisation of chemical bath deposited CdS thin films on different substrates using electrolyte contacts <i>Thin Solid Films</i> 519, 7583-7586 (2011) doi: 10.1016/j.tsf.2010.12.218
82	B. Marí, M. Moya, K.C. Singh, M. Mollar, P. Palacios, P. Wahnnon, E. Artacho Characterization of electrodeposited zinc oxide/tetrasulphonatedcopper phtalocyanines (ZnO/Ts-CuPc) films and their photoelectrochemical properties <i>Journal of Electroanalytical Chemistry</i> 653, 86-92 (2011) doi:10.1016/j.jelechem.2010.12.023
81	A. P. Samantilleke, M. F. Cerqueira, B. Marí Segregation of Te at the back contact in electrochemically deposited CdTe thin film solar cells <i>Journal of Crystal Growth</i> 320, 13-17 (2011) doi:10.1016/j.jcrysgro.2011.01.004
80	B. Marí, K. C. Singh, M. Sahal, S.P. Khatkar, V.B. Taxak, Mukesh Kumar Characterization and photo-luminescence properties of some MLn₂(1-x)O₄:2xEu³⁺ or 2xTb³⁺ systems (M = Ba or Sr, Ln = Gd or La) <i>Journal of Luminescence</i> 131, 587-591 (2011) - doi:10.1016/j.jlumin.2010.10.035
79	H. Cui, M. Mollar, B. Marí Tailoring the morphology of electrodeposited ZnO and its photoluminescence properties <i>Optical Materials</i> 33, 327-331 (2011); doi:10.1016/j.optmat.2010.09.010
2009-2010	
78 (7)	D. Soro, B. Marí et B. Aka Étude de la composition stechiometrique des couches minces de CdTe élaborées par électrodéposition pour des applications photovoltaïques. <i>Afrique Science</i> , 06(2) (2010) 1-8. ISSN 1813-548X .
77	Sheng-Nan Sun, B. Marí, Hong-Lin Wu, M. Mollar and Hai-Ning Cui Morphology and photoluminescence study of electrodeposited ZnO films <i>Applied Surface Science</i> 257, 985-989 (2010)
76	E. Rayón, J. Cembrero, B. Marí, C. Ferrer Variable section ZnO nanostructures electrodeposited by Dynamic Polarization Currents <i>Materials Letters</i> , Volume 64, Issue 23, 15 December 2010, Pages 2601-2604 doi:10.1016/j.matlet.2010.08.036

75	M. Sahal, B. Marí, M. Mollar, F.J. Manjón Zn_{1-x}Mg_xO thin films deposited by spray pyrolysis <i>Phys. Status Solidi C</i> 7, No 9, 2306-2310 (2010) / DOI 10.1002/pssc.200983751
74	B. Marí, K. C. Singh, S.P. Khatkar, V. B. Taxak, M. Sahal, Mukesh Kumar Preparation and luminescence properties of Tb-doped ZrO₂ and BaZrO₃ phosphors <i>Journal of Luminescence</i> 130, 2128-2132 (2010) / DOI 10.1016/j.jlumin.2010.06.005
73	B. Marí, M. Tortosa, M. Mollar, J.V. Boscà, H. Cui Electrodeposited ZnCdO thin films as conducting optical layer for optoelectronic devices <i>Optical Materials</i> 32, 1423-1426 (2010) / DOI: 10.1016/j.optmat.2010.05.009
72	B. Marí, A. El Manouni, L. Damonte, M. Mollar Preparation and characterization of Zn_{1-x}Fe_xO thin films <i>Physica Status Solidi A</i> , 207, No. 7, 1623-1626 (2010) / DOI 10.1002/pssa.200983760
71	A. El Manouni, R. Casasús, M. Mollar, B. Marí Propriétés optiques de couches minces de ZnCoO préparés par électrodéposition <i>Africa Science Vol.5, N°3, 48-64 (2009) ISSN 1813-548</i>
70	Bernabé Marí, Miguel Mollar, Rosa Casasús, Mónica Moya Electrodeposition of nanostructured, ternary and hybrid films based on zinc oxide. <i>Proceeding of ICNM-2009 Pages: 389 - 392. (First International Conference on Nanostructured Materials and Nanocomposites (6-8 April 2009 Kottayam, India). Editors: Sabu Thomas and Poornima Vijayan. ISBN: 978-81-906027-5-4. Publisher: Applied Science Innovations Private Limited, India.</i> http://www.applied-science-innovations.com/BOOK-ICNM-2009.html OPEN ACCESS PUBLICATION, Published ON LINE, August 2009.
69	A. El Manouni, M. Tortosa, F.J. Manjón, M. Mollar, B. Marí, J.F. Sánchez-Royo Effect of annealing on Zn_{1-x}Co_yO thin films prepared by electrodeposition <i>Microelectronics Journal</i> 40, 268-271 (2009)
68	M. Sahal, B. Marí, M. Mollar CuInS₂ thin films obtained by spray pyrolysis for photovoltaic applications <i>Thin Solid Films</i> 517, 2202-2204 (2009)
67	M. Mollar, M. Tortosa, R. Casasús, B. Marí Electrodepositing Zn_xMn_yO_z alloys from zinc oxide to manganese oxide <i>Microelectronics Journal</i> 40, 276-279 (2009)
2007-2008	
66 (6)	M. Sahal, B. Hartiti, A. Ridah, M. Mollar, B. Marí Structural, electrical and optical properties of ZnO thin films deposited by sol-gel method <i>Microelectronics Journal</i> 39, 1425-1428 (2008)
65	M. Tortosa, M. Mollar, B. Marí, and F. Lloret

	<p>Optical and magnetic properties of ZnCoO thin films synthesized by electrodeposition <i>Journal of Applied Physics</i> 104, 033901 (2008)</p>
65	<p>M. Tortosa, M. Mollar, F.J. Manjón, B. Marí, and J.F. Sánchez-Royo Cathodic electrodeposition of ZnCoO thin films <i>Physica Status Solidi (C)</i> 5, No. 10, 3358-3360 (2008)</p>
63	<p>M. Tortosa, M. Mollar, and B. Marí Synthesis and structural studies of Diluted Magnetic Semiconductors by electrodeposition <i>Physica Status Solidi C</i>, 5, No.11, 3467-3470 (2008)</p>
62	<p>B. Marí, J. Cembrero, M. Mollar, and M. Tortosa Optical properties of zinc oxide-based ternary compounds synthesized by electrodeposition <i>Physica Status Solidi (C)</i> 5, No. 2, 555-558 (2008)</p>
61	<p>M.A. Hernandez-Fenollosa, M.C. López, V. Donderis, M. González, B. Marí, J.R. Ramos-Barrado Role of precursors on morphology and optical properties of ZnS thin films prepared by chemical spray pyrolysis <i>This Solid Films</i> 516,1622-1625 (2008)</p>
60 (7)	<p>L.C. Damonte, M.A. Hernández Fenollosa, V. Donderis and B. Marí Composition influence on positron annihilation parameters in ZnO-based nanocrystal semiconductor powders <i>Physica Status Solidi C</i>, vol. 4, no10, pp. 3899-3902 (2007)</p>
59	<p>V. Donderis, M.A. Hernandez-Fenollosa, L.C. Damonte, B. Marí, J. Cembrero Enhancement of surface morphology and optical properties of nanocolumnar ZnO films <i>Superlattices and Microstructures</i>, 42, Issues 1-6, July-December 2007, Pages 461-467 (2007)</p>
58	<p>A. El Manouni, F. J. Manjón, M. Perales, M. Mollar, B. Marí, M.C. Lopez and J. R Ramos Barrado Effect on thermal annealing on ZnO:Al thin films grown by spray pyrolysis <i>Superlattices and Microstructures</i>, Volume 42, p 134-139 (2007)</p>
57	<p>L.C. Damonte, M.A. Hernández-Fenollosa, M.Meyer, L. Mendoza-Zélis, B. Marí Structural and magnetic properties in mechanically alloyed Zn_{1-x}Co_xO semiconductor powders <i>Physica B Condensed Mater</i> Volume 398, Issue 2, 1 September 2007, Pages 380-384 doi:10.1016/j.physb.2007.04.08</p>
56	<p>J. Ibañez, E. García-Breijo, L. Gil, M. Mollar and B. Marí FREQUENCY DEPENDENT LIGHT EMISSION AND EXTINCTION OF ELECTROLUMINESCENT ZnS:Cu BASED COMERCIAL PHOSPHOR <i>Displays</i> 28, p 112-117 (2007) doi:10.1016/j.displa.2007.04.001</p>
55	<p>L.C. Damonte, M. A. Hernández, B. Marí Cation substitution in ZnO obtained by mechanical milling <i>Journal of Alloys and Compounds</i>, 434-435, 813-815 (2007) doi:10,1016/j.jallcom, 2006.08.202 (2006)</p>
54	<p>M. Tortosa, M. Mollar and B. Marí Synthesis of ZnCdO thin films by electrodeposition</p>

	<i>Journal of Crystal Growth</i> 304, 97-102 (2007) doi:10.1016/j.jcrysgro.2007.02.010
2005-2006	
53	M. Sahal, B. Hartiti, B. Marí, A. Ridah, M. Mollar Etude des propriétés physiques des couches minces de ZnO dopées Al, préparées par la méthode de «sol-gel» associée au «spin coating» <i>Afrique SCIENCE</i> 02 (03) (2006) 245-254
52	B. Marí, J. Cembrero, M. Mollar, M. Pascual, M. Perales Obtención de columnas de ZnO. Variables a controlar (y II) <i>Boletín de la Sociedad Española de Cerámica y Vidrio</i> , 45 [4] p. 278 – 282 (2006)
51	J. A. Sans, A. Segura, J. F. Sánchez-Royo, V. Boluda, M. A. Hernández and B. Marí Correlation between optical and transport properties of Ga-doped ZnO thin films prepared by pulsed laser deposition <i>Superlattices and Microstructures</i> , Volume 39, Issues 1-4, Pages 282-290, January-April 2006
50	A. El Manouni, F. J. Manjón, M. Mollar, B. Marí, R. Gómez, M. C. López, J. R. Ramos-Barrado Effect of aluminium doping on zinc oxide, AZO, thin films grown by spray pyrolysis <i>Superlattices and Microstructures</i> , Volume 39, Issues 1-4, Pages 185-192, January-April 2006
49	B. Marí, F. J. Manjón, M. Mollar, J. Cembrero, R. Gómez Photoluminescence of thermal-annealed nanocolumnar ZnO grown by electrodeposition <i>Applied Surface Science</i> 252, p.2826-2831 (2006)
48	M. A. Hernández, L.C. Damonte, B. Marí Defects in electron irradiated ZnO single crystals <i>Superlattices and Microstructures</i> , Volume 38, Issues 4-6, p. 336-343 (2005)
47	B. Marí, J. Cembrero, F. J. Manjón, M. Mollar and R. Gómez Raman measurements on nanocolumnar ZnO crystals <i>Physica Status Solidi (a)</i> Volume 202, Issue 8, Pages 1602-1605 (2005)
46	J. A. Sans, A. Segura, F. J. Manjón, B. Marí, A. Muñoz, M. J. Herrera-Cabrera. Optical properties of wurtzite and rock-salt ZnO under pressure <i>Microelectronics Journal</i> 35, p. 928-932 (2005)
45	F. J. Manjón, B. Marí, J. Serrano, A. H. Romero Silent Raman modes in zinc oxide and related nitrides <i>Journal of Applied Physics</i> 97, p. 053516 (2005)
44	F.J. Manjón, M. Mollar, B. Marí, N. Garro, A. Cantarero, R. Lauck, M. Cardona Effect of isotopic mass on the photoluminescence spectra of β zinc sulfide <i>Solid State Communications</i> , Vol 133/4 pp 253-258 (2005)
43	A. Peiró, C. Domingo, J. Peral, X. Domenech, E. Vigil, M. A. Hernandez-Fenollosa, M. Mollar, B. Marí and J. Ayllón Nanostructured ZnO films grown from microwave activated aqueous solutions <i>Thin Solid Films</i> Vol. 483, p. 79-83 (2005)

2001-2004	
42	M. Mollar, J.V. Boscà, B. Marí Libro CD 'Dos simulaciones para el laboratorio de electromagnetismo' <i>ISBN: 84-9705-663-9. Editorial Universidad Politécnica de Valencia (2004)</i>
41	L. C. Damonte, L. A. Mendoza Zélis, B. Marí Soucase, M.A. Hernández Fenollosa Nanoparticles of ZnO obtained by mechanical milling <i>Powder Technology 148, 15-19 (2004)</i>
40	F. J. Manjón, M. A. Hernández-Fenollosa, B. Marí, S. F. Li, C. D. Poweleit, A. Bell, J. Menéndez and M. Cardona Effect of N isotopic mass on the photoluminescence and cathodoluminescence spectra of gallium nitride <i>The European Physical Journal B 40, p. 453-458 (2004)</i>
39	L. Znaidi, S. Benyahia, B. Hartiti, M. Mollar-García and B. Marí Soucase Propietés estructurales, optiques et electriques de couches minces de ZnO:Al elaborées par chimie douce <i>Revue Internationale d'Héliotechnique, 29, Pages 37-40 (2004)</i>
38	J.A. Sans, A. Segura, M. Mollar and B. Marí Optical properties of thin films of ZnO prepared by pulsed laser deposition <i>Thin Solid Films 453-454, Pages 251-255 (2004)</i>
37	J. Cembrero, A. Elmanouni, B. Hartiti, M. Mollar and B. Marí Nanocolumnar ZnO films for photovoltaic applications <i>Thin Solid Films 451-452, pp. 198-202 (2004)</i>
36	B. Marí, M. Mollar, A. Mechkour, B. Hartiti, M. Perales, J Cembrero Optical properties of nanocolumnar ZnO crystals <i>Microelectronics Journal 35, p. 79-82 (2004)</i>
35	J. Cembrero, M. Perales, M.Mollar, B. Marí Obtención de columnas de ZnO. Variables a controlar (I) <i>Boletín de la Sociedad Española de Cerámica y Vidrio, 42 [6] p. 379 – 387 (2003)</i>
34	F. J. Manjón, M. Mollar, M. A. Hernández-Fenollosa, B. Marí, R. Lauck, and M. Cardona Effect of isotopic mass on the photoluminescence spectra of zinc oxide <i>Solid State Communications 128, p. 35–39 (2003)</i>
33	B. Marí, M.A. Hernández-Fenollosa and F.J. Navarro Observation of Fe-related defects in neutron irradiated Fe-doped semi-insulating InP <i>Journal of Applied Physics 89, n° 5, p. 7772-7776 (2001)</i>
1996-2000	
32	A. Homs and B. Marí Photoluminescence of undoped and neutron-transmutation-doped InSe <i>Journal of Applied Physics 88, p. 4654-4659 (2000)</i>
31	M. A. Hernández-Fenollosa, F. J. Navarro and B. Marí New recombination centres in InP:Fe doped by neutron transmutation <i>Materials Science and Engineering B71 p.104-108 (2000)</i>
30	B. Marí Libro "Dispositivos Fotónicos"

	<i>Servicio de Publicaciones de la UPV. SPUPV: 99-4161 (1999)</i>
29	B. Marí, M.A. Hernández, F.J. Navarro, R. Fornari Photoluminescence studies of neutron-transmutation-doped InP:Fe <i>Nuclear Instruments and Methods in Physics Research B 147 p.175-180 (1999)</i>
28	B.Marí, F.J.Navarro, M.A.Hernández, J.L. Ferrero Study of iron-related defects on SI-InP crystals by Positron Annihilation Spectroscopy <i>Materials Science Forum. Vols. 258-263, p.819-824 (1997)</i>
27	B. Marí, R. Fenollosa, F.J. Manjón, R. Clemente, V. Muñoz, A. Segura Neutron Transmutation Doping of III-VI Layered Semiconductors <i>Materials Science and Technology 13, p.954-956 (1997)</i>
26	F.J. Navarro, L.C. Damonte, B. Marí, J.L. Ferrero Positron lifetime measurements on neutron-irradiated InP crystals <i>Journal of Applied Physics 79, p. 9043-46 (1996)</i>
1991-1995	
25	J. V. Boscà, M. H. Giménez, B. Marí, M. C. Muñoz, J. Riera, A. Vidaurre Libro "Prácticas de Física. Manual de Laboratorio" <i>Servicio de Publicaciones de la UPV. ISBN: 84-7721-219-8 (1993)</i>
24	B. Marí, B. Prevot, C. Schwab Effective n-type doping of InP by the Neutron Transmutation Technique <i>Materials Science and Engineering, B20, p. 113-116 (1993)</i>
23	B. Boudart, B. Marí, B. Prevot Raman investigation of the photocarrier properties in both undoped and Fe-doped InP substrates <i>Materials Science and Engineering, B20, p. 109-112 (1993)</i>
22	T. Benchiguer, B. Marí, C. Schwab, U. V. Desnica Time evolution analysis of photo-EPR and photo-electrical data on bulk semi-insulating GaAs <i>7th Conference on Semi-insulating III-V Materials, Ixtapa. 1992. p.235-240 (1993)</i>
21	T. Benchiguer, B. Marí, C. Schwab Carrier control by neutron-transmutation-doping of semi-insulating GaAs <i>7th Conf. on Semi-insulating III-V Materials, Ixtapa. 1992. p. 45-50 (1993)</i> <i>Ed. IOP Publishing Ltd.</i>
20	R. Pareja, R.M. de la Cruz, B. Marí, A. Segura and V. Muñoz Thermal recovery of the lattice damage in neutron-transmutation-doped InSe <i>Physical Review B, vol. 47, p.2870-2873 (1993)</i>
19	T. Benchiguer, B. Marí, C. Schwab, Wu Yu and Wang Guangyu Anion-Antisite-Related Defects in Plastically Deformed Bulk Semi-insulating GaAs <i>Journal of Applied Physics. 72(4), p. 1323 (1992)</i>
18	T. Benchiguer, B. Marí, C.Schwab, U.V. Desnica Donor-acceptor pair as opposed to anion antisite metastability in bulk semi-insulating GaAs: Electron Paramagnetic Resonance and Photoconductivity data analysis

	<i>Japanese Journal of Applied Physics</i> 31, p. 2669-72 (1992)
17	T. Benchiguer, A. Goltzené, B. Marí, C.Schwab Paramagnetic Defects in neutron irradiated GaP <i>Journal Appl. Phys.</i> 71, p.4615-4617 (1992)
16	B. Boudart, B. Marí, B. Prevot, C. Schwab Efficiency of Neutron-Transmutation-Doping of InP investigated by optical and electrical methods <i>Nuclear Instruments and Methods in Physics Research B63</i> , p. 101-105 (1992)
15	B. Marí, A. Segura Propietats de Transport en l'InSe dopat amb estany <i>Microelectrònica. Ed. Generalitat de Catalunya</i> , pag. 53-61 (1991)
14	B. Marí, A. Casanovas and A. Segura Nivells d'impuresa amb l'InSe dopat amb estany <i>Microelectrònica. Ed. Generalitat de Catalunya</i> . pag. 11-19 (1991)
13	T. Benchiguer, E. Christoffel, A. Goltzené, B. Marí, B. Meyer, C. Schwab Donor-Acceptor Charge Transfers in Bulk Semi-Insulating GaAs As Revealed by Photo-EPR <i>Applied Surface Science</i> 50, p. 277-280 (1991)
12	B. Marí, A. Segura, A. Chevy Electrical Properties of Neutron-Transmutation-Doped InSe <i>Applied Surface Science</i> 50, p. 415-419 (1991)
11	B. Marí, A. Segura, A. Casanovas, A. Chevy Deep-Level- Transient Spectroscopy in Tin-doped Indium Selenide <i>Applied Physics A</i> 52, p. 373-379 (1991)
10	A. Segura, B. Marí, J.P. Martinez-Pastor, A. Chevy Three Dimensional Electrons and Two-Dimensional Electric Subbands in the Transport Properties of Tin-Doped n-Type Indium Selenide: Polar and Homopolar phonon scattering <i>Physical Revue B</i> 43, p. 4953-4965, (1991)
1985-1990	
9	T. Benchiguer, E. Christoffel, A. Goltzene, B. Marí, B. Meyer, C. Schwab Charge Transfer as an Alternative to Metastability of Defects in Semi-Insulating GaAs <i>Japanese Journal of Applied Physics</i> , Vol. 29, p. L 1569-L 1571, (1990)
8	J. V. Boscà, J. A. Larumbe, B. Marí, J. Riera y A. Vidaurre Libro "Energia Solar. Perspectivas y aplicaciones" <i>Servicio de Publicaciones de la UPV.</i> (1987)
7	B. Marí, A. Segura, A. Chevy Tin Related Shallow Donor in Indium Selenide <i>Applied Physics A. Vol. 46</i> , p.125-129 (1988)
6	J. V. Boscà y B. Marí Curso de Termodinámica y Termotécnica I <i>Servicio de Publicaciones de la UPV</i> <i>Registro de I.S.B.N. : 84-7721-006-3</i> (1987)

5	A. Segura, M. C. Martínez-Tomás, B. Marí, A. Casanovas, A. Chevy Acceptors Levels in Indium Selenide. An Investigation by Means of the Hall Effect, Deep-Level-Transient-Spectroscopy and Photoluminescence <i>Applied Physics A. Vol. 44, p. 246-260 (1987)</i>
4	A. Segura, J.L. Valdés, A. Cantarero, F. Pomer, J.P.Martinez, B. Marí; Cellules Solaires de Seleniure d'Indium <i>COMPLES 1985, p. 281-288 (1985)</i>
3	A. Segura, J. L. Valdés, A. Cantarero, F. Pomer, J. P. Martínez, B. Marí Indium Selenide Back Surface Field Solar Cells <i>MELECON'85 Vol.IV Solar Energy, p.51-54 (1985)</i>
2	A. Segura, J. L. Valdés, A. Cantarero, F. Pomer, J. P. Martínez, B. Marí Efficiency improvement in I.T.O./p-InSe solar cells <i>VI E.C. Photovoltaic Solar Energy Conference. D. Reidel Pub.Co., Dordrecht , p. 773-777 (1985)</i>
1	B. Marí, A. Segura, A. Chevy Free Carrier Absorption in n-type Indium Selenide <i>Physica Status Solidi (b) Vol.130 , p.793-799 (1985)</i>

5. Participations in Symposia and Conferences	
	2013 (5)
151	Hanif Ullah, Bernabé Marí and Juan A. Monsoriu Introducing device-dedicated software for photovoltaics teaching. CUIEET (2013) July 2013 Valencia (SPAIN)
150	Hanif Ullah, Bernabé Marí and Luis M. Sánchez Ruiz Modelling and Analysing CIGS Thin-film Solar Cell by SCAPS International Conference on Engineering Education and Research; July 1 – 5, 2013, Marrakesh (2013) Poster
149	R. Morghi, A. Nafidi, A. Aboukassim, H. Chaib, H. Charafi, T. Ait Taleb, B. Marí-Soucase, M. Mollar-García, B. Hartiti, K. Chander Singh, K. Khallouq Remarkable influence of heat treatment in structural, electrical and magnetic properties in $(Y_{1-x}Nd_x)SrBaCu_3O_{6+z}$ 2013 International Conference on Magnet Technology Conference, MT-23. July 14-17 (2013) Boston, Massachusetts USA
148	M. E. Calixto, L. Ortíz Moya and B. Marí-Soucase Electrodeposition and Selenization of CuInSe₂ Absorber Layers for Photovoltaic Applications 2013 MRS Spring Meeting & Exhibit Symposium C: Thin-Film Compound Semiconductor Photovoltaics April 1-5, (2013) San Francisco, California
147	B. Marí-Soucase, P. Cembrero-Coca, M. Mollar, M. E. Calixto Effective electrochemical n-type doping of ZnO thin films for photovoltaic window applications 2013 MRS Spring Meeting & Exhibit Symposium C: Thin-Film Compound Semiconductor Photovoltaics April 1-5, (2013) San Francisco, California
	2012 (18)
146	S.Elfarrass T. Sall, B. Hartiti, M. Fahoume, A. Ridah , P.Thevenin and B. Marí Structural And Optical Properties Of In₂S₃ Thin Films Grown By Chemical Spray Pyrolysis International Conference on Advanced Materials for Photonics, Sensing and Energy Conversion Applications-AMPSECA 2012. December 5 to 7 (2012) El Jadida (Morocco)
145	T. Sall, S. Elfarrass, B. Hartiti, B. Marí, M. Mollar, M. Aggour, A. Qachaou, M. Fahoume Structural, Morphological And Optical Properties of In₂S₃ Thin Films Obtained By Silar Method International Conference on Advanced Materials for Photonics, Sensing and Energy Conversion Applications-AMPSECA 2012. December 5 to 7 (2012) El Jadida (Morocco)
144	B. Marí, M. Moya, M. Abellán, P. Cembrero-Coca, M. Mollar, J. Cembrero Electrochemical Preparation of ZnO Hollow Nanocolumns EMRS Fall Meeting 2012: Symposium H: Organized Nanostructures and Nano-objects: Fabrication, characterization and applications September 17 to 21, 2012. Warsaw University of Technology (Poland) Poster H-37
143	F. Bordallo, B. Marí, J.A. García-Manrique Study of the degree of polymerization of carbon-epoxy composite parts using Raman Spectroscopy

	EMRS Fall Meeting 2012: Symposium A: Advanced Composite Materials: technologies, properties, applications September 17 to 21, 2012. Warsaw University of Technology (Poland) Poster A40
142	B. Marí-Soucase, L. Ortíz-Moya and M. E. Calixto <i>Electrochemical Studies on a Buffered Cu-In-Se System: Formation and Characterization of CuInSe₂ Layers for Photovoltaic Applications.</i> <i>Symposium 15: General Session</i> 63rd Annual Meeting of the International Society of Electrochemistry. 19-24 August, 2012, Prague, Czech Republic (Poster)
141	H. Gómez, R. Schrebler, R. Henríquez, D. Soro, M. Mollar, B. Marí <i>Electrodeposition of In₂S₃ from DMSO solution on FTO Substrates</i> 63rd Annual Meeting of the International Society of Electrochemistry. <i>Symposium 7: Cathodic and Anodic Routes to Electrochemical Fabrication</i> 19-24 August, 2012, Prague, Czech Republic (Poster)
140	M. Tortosa, M. Mollar, F. J. Manjón and B. Marí <i>SYNTHESIS OF SPINELS BASED IN ZnO BY ELECTRODEPOSITION</i> 63rd Annual Meeting of the International Society of Electrochemistry. <i>Symposium 7: Cathodic and Anodic Routes to Electrochemical Fabrication</i> 19-24 August, 2012, Prague, Czech Republic (Poster)
139	B. Marí, M. Moya, M. Abellán, P. Cembrero-Coca, J. Cembrero <i>An Statistical Investigation on the Parametres Controlling the Electrochemical Preparation of ZnO Hollow Nanocolumnns</i> 6 th International Developments in Materials, Processing and Applications of Emerging Technologies (MPA-2012) July 2-4, 2012, Alvor, Portugal (Oral)
138	A.P. Samantilleke, L. Ortiz and B. Marí <i>Optical properties of electrochemically synthesised and selenised CuInSe₂ thin films</i> 6 th International Developments in Materials, Processing and Applications of Emerging Technologies (MPA-2012) July 2-4, 2012, Alvor, Portugal (Poster/Oral)
137	A.P. Samantilleke, Laura Ortiz, Bernabe Marí and Mikhail Vasilevskiy <i>Plasmonic applications: New designs for high-efficiency thin film photovoltaics</i> (abstract cod.: 426) The Energy and Materials Research Conference - EMR2012 . Session: Energy Harvesting Materials Torremolinos, Malaga (Spain), 20-22 June 2012 (Oral)
136	M. Moya, B. Marí, A.P. Samantilleke and M. Mollar <i>Photovoltaic Properties of ZnO/Hybrid Thin Films Deposited by Cathodic Electrodeposition</i> International Symposium on Integrated Functionalities, Symposium 5: Oxide-based Energy Conversion Materials and Devices June 18-21, 2012 Hong Kong, China (Oral)
135	F. Reisdorffler, M.M. Moya Forero, B. Marí Soucase, T.P. Nguyen <i>Optical characterization of ZnO nanorods:P3HT composites</i> SYMPOSIUM U: Carbon- Or Nitrogen-Containing Nanostructured Thin Films, E-MRS 2012 SPRING MEETING STRASBOURG (FRANCE), MAY 14 TO 18, 2012 (Poster)
134	M. Moya, B. Marí, M. Mollar, K. C. Singh, P. Palacios, P. Wahnón <i>Nanostructured ZnO/Ts-CuPc Hybrid Thin Films For Photovoltaic Applications</i> SYMPOSIUM P : ADVANCED HYBRID MATERIALS II: DESIGN AND APPLICATIONS THE E-MRS 2012 SPRING MEETING STRASBOURG (FRANCE), MAY 14 TO 18, 2012 (Poster)

133	L. Ortiz, B. Marí and A.P. Samantilleke <i>Selenisation study of electrochemically synthesised precursor layers for CuInSe₂ thin film solar cells</i> SYMPOSIUM B : THIN FILM CHALCOGENIDE PHOTOVOLTAIC MATERIALS OF THE E-MRS 2012 SPRING MEETING, STRASBOURG (FRANCE), MAY 14 TO 18, 2012 (Poster)
132	Jesús Cembrero, David Busquets-Mataix, M. A. Pérez-Puig and Bernabé Marí <i>ELECTROCHEMICAL FABRICATION OF HOLLOW ZnO NANOCOLUMNS</i> PSST 2012, 8th INTERNATIONAL CONFERENCE ON POROUS SEMICONDUCTORS - SCIENCE AND TECHNOLOGY Málaga, SPAIN. March 25-30, 2012 (Poster)
131	B. Marí, K.C. Singh, L. Ortiz, M. Mollar, M. Moya, Rana Ravi and Perla Whanón <i>Growth Mechanism and Morphology of ZnO/Eosin-Y Hybrid Thin Films</i> GTER 2012 – International Conference on Green Technologies for Environmental Rehabilitation Haridwar, Uttarakhand, India. February 11-13, 2012 (Poster)
130	B. Marí, K.C. Singh, L. Ortiz, M. Mollar, Balraj Deshwal <i>Electrochemical fabrication and characterization of p-CuSCN/n-ZnO heterojunction films</i> GTER 2012 – International Conference on Green Technologies for Environmental Rehabilitation Haridwar, Uttarakhand, India. February 11-13, 2012 (Poster)
129	Bernabé Marí Soucase <i>New approaches in photovoltaic solar cells</i> GTER 2012 – International Conference on Green Technologies for Environmental Rehabilitation Haridwar, Uttarakhand, India. February 11-13, 2012 (Invited Key Note)
2011 (10)	
128	M. Moya, B. Marí, M. Mollar, K. Singh, P. Palacios, P. Wahnón <u>NANOSTRUCTURED ZnO/Ts-CuPc HYBRID THIN FILMS FOR PHOTOVOLTAIC APPLICATIONS</u> E-MRS Fall Meeting. Symposium H: Novel materials for electronics, optoelectronics, photovoltaics & energy saving applications. Warsaw University of Technology, Poland, September 19-23, 2011 (Oral)
127	L. Ortiz, P. Cembrero, M. Mollar, B. Marí, A.P. Samantilleke <u>Admittance and Impedance Spectroscopy on electrochemically synthesised CuInSe₂ Solar Cells</u> E-MRS Fall Meeting. Symposium H: Novel materials for electronics, optoelectronics, photovoltaics & energy saving applications. Warsaw University of Technology, Poland, September 19-23, 2011 (Poster)
126	J. Cembrero, E. Rayón, B. Marí <u>ELECTROCHEMICAL PREPARATION OF ZnO HOLLOW COLUMNS. CONTROL PARAMETRES.</u> E-MRS Fall Meeting. Symposium K: Solution-derived electronic-oxide films, nanostructures and patterning, from materials to devices. Warsaw University of Technology, Poland, September 19-23, 2011 (Oral)
125	B. Marí, L. Ortiz, M. Mollar <u>Electrochemical fabrication of transparent ZnO/CuSCN heterojunction diodes</u> E-MRS Fall Meeting. Symposium I: Advances in transparent electronics: from materials to devices III Warsaw University of Technology, Warsaw, Poland, September 19-23, 2011 (Poster)

124	P. Palacios, L. Polak, B. Marí, M. Mollar, P. Wahnón <u>DFT calculations in ZnMgO thin films</u> E-MRS Fall Meeting. Symposium I: Advances in transparent electronics: from materials to devices III Warsaw University of Technology, Poland, September 19-23, 2011 (Poster)
123	Bernabé Marí, Laura Ortíz, Anura P. Samantilleke, Paula Cembrero, <u>Admittance and Impedance Spectroscopy on electrochemically synthesised CuInSe₂ solar cells</u> XX International Materials Research Congress; Symposium 9, Photovoltaics, Solar Energy Materials & Technologies Cancun, Mexico; August 14-19, 2011 (Oral)
122	Bernabé Marí, Laura Ortíz, Paula Cembrero, Miguel Mollar, Anura P. Samantilleke <u>Selenisation study of electrodeposited precursor layers for CuInSe₂ thin film solar cells</u> XX International Materials Research Congress; Symposium 9, Photovoltaics, Solar Energy Materials & Technologies Cancun, Mexico; August 14-19, 2011 (Oral)
121	M. Moya, M. Mollar, A.P. Samantilleke and B. Marí <u>Photoelectrochemical and structural characteristics of nanostructured hybrid ZnO thin films</u> 5th International Meeting on Developments in Materials, Processes and Applications of Emerging Technologies (MPA-2011). 27-29 June 2011, Alvor, Portugal (Poster)
120	L. Ortiz, A.P. Samantilleke, B. Marí and M.F.Cerqueira <u>Selenisation study of chemically synthesised precursor layers for CuInSe₂ thin film solar cells</u> 5th International Meeting on Developments in Materials, Processes and Applications of Emerging Technologies (MPA-2011). 27-29 June 2011, Alvor, Portugal (Oral)
119	Pablo Palacios, Perla Wahnón, B. Marí <u>Bonding and electronic band alignment between nano-porous ZnO and a metal Phthalocyanine dye</u> E-MRS Sprin&Bilateral Meeting 2011. Symposium S : Organic photovoltaics: science and technology (OPV) May 9-13, 2011, Nice, FRANCE (Poster)
2010 (19)	
118	B. Marí, M. Sahal, M.F. Cerqueira, A. P. Samantilleke <u>Transparent ZnO-based diodes fabricated by electrochemical approaches</u> TCM 2010. 3rd International Symposium on Transparent Conductive Materials 17 - 21 October, 2010 Analipsi / Hersonissos, Crete, Greece (ORAL)
117	P. Palacios, B. Mari, E. Artacho, P. Wahnón <u>Theoretical modelling and experimental synthesis of nano-porous ZnO with metal Phthalocyanines</u> WCPEC-5 and 25th EU PVSEC, Applicable subject: 1.3: Organic-based PV. 6-10 September 2010 (Valencia)
116	A.P. Samantilleke, M. Sahal, L. Ortiz, M.F.Cerqueira and B. Marí <u>Segregation of Te at the back contact in electrochemically deposited CdTe thin film solar cells and characterization using electrolyte contacts</u> E-MRS FALL 2010. Symposium : O 'Smart growth of II-VI compounds with emphasis on CdTe and related Cd-rich mixed systems, and ZnO' September 13-15, 2010, Warsaw, Poland (Poster)

115	B. Marí, M. Sahal <i>Study of a ZnO homojunction grown by electrochemical deposition</i> E-MRS FALL 2010. Symposium : B ‘Semiconductor oxides’ September 13-15, 2010, Warsaw, Poland (ORAL)
114	B. Marí, L. Ortiz, M. Mollar <i>Electrochemical fabrication of n-ZnO/p-CuSCN heterojunction diodes</i> E-MRS FALL 2010. Symposium : O ‘Smart growth of II-VI compounds with emphasis on CdTe and related Cd-rich mixed systems, and ZnO’ September 13-15, 2010, Warsaw, Poland (Poster)
113	M. Moya, M. Mollar, B. Marí, A. Samantilleke NANOSTRUCTURED HYBRID ZnO FILMS FOR ENERGY CONVERSION The 4 th International Meeting on Developments in Materials. Processes and Applications of Emerging Technologies (MPA). Braga (Portugal) 28-30 July 2010 (Poster)
112	J. Cembrero, E. Rayón, B. Marí <i>Electrodeposición de nanocolumnas de sección variable</i> XI Congreso Nacional de Materiales - Zaragoza 2010 (23-25 de Junio) (ISBN: 978-84-92522-24-8)
111	M. Moya, M. Mollar, B. Marí PREPARACIÓN Y CARACTERIZACIÓN DE MATERIALES HÍBRIDOS NANOESTRUCTURADOS DE ZnO/eosin-Y XI Congreso Nacional de Materiales - Zaragoza 2010 (23-25 de Junio) (ISBN: 978-84-92522-24-8)
110	B. Marí, M. Tortosa, M. Sahal, M. Mollar <i>Electrochemical synthesis of p-type ZnO thin films - (submission ID: ise103047)</i> 61st Annual Meeting of the International Society of Electrochemistry September 26th - October 1st, 2010 Nice, France (Oral)
109	A.P. Samantilleke, M. Sahal, M. Tortosa, M. Mollar, B. Marí, M.F.Cerqueira, L.Rebouta and M. Vasilevskiy ZnO:Cu thin film and p–n homojunctions grown by electrochemical deposition ICPS 30: 30th International Conference on the Physics of Semiconductors (ICPS 2010),COEX, February 2010 Seoul, Korea (Invited)
108	M. Moya, M. Mollar and B. Marí ELECTRODEPOSITION OF HYBRID ZnO/ORGANIC-DYE FILMS AND THEIR PHYSICAL AND CHEMICAL PROPERTIES Symposium T: Advanced hybrid materials: stakes and concepts (ISBN: 978-0-08-096513-0) E-MRS 2010 Spring Meeting, Congress Center in Strasbourg (France) from June 7 to 11, 2010
107	M. Sahal, M. Tortosa, M. Mollar, B. Marí, A.P. Samantilleke and M.F.Cerqueira Electrodeposition of p-Zn_{1-x}Cu_xO thin films and p–n homojunctions Symposium E: Frontiers of multifunctional oxides (ISBN: 978-0-08-096513-0) E-MRS 2010 Spring Meeting, Congress Center in Strasbourg (France) from June 7 to 11, 2010
106	A.P. Samantilleke, M. Sahal, L. Ortiz, M.F.Cerqueira and B. Marí Flexible CuInGaSe₂ photovoltaic cells fabricated by non-vacuum techniques Symposium M: Thin film chalcogenide photovoltaic materials (ISBN: 978-0-08-096513-0) E-MRS 2010 Spring Meeting, Congress Center in Strasbourg (France) from June 7 to 11, 2010
105	A.P. Samantilleke, S.Heavens, P.Warren, I.M.Dharmadasa, M.F.Cerquiera and B. Marí Analysis of the chemical bath deposition of CdS thin films on different substrates using electrolyte contacts Symposium M: Thin film chalcogenide photovoltaic materials (ISBN: 978-0-08-096513-0) E-MRS 2010 Spring Meeting, Congress Center in Strasbourg (France) from June 7 to 11, 2010

104	A.P.Samantilleke, B. Marí, M.F.Cerquier, F.Oliveira, S.Heavens and I.M.Dharmadasa Electrochemically deposited CdTe thin film solar cells: Characterisation using electrolyte contacts and resulting energy band diagram Symposium M: Thin film chalcogenide photovoltaic materials (ISBN: 978-0-08-096513-0) E-MRS 2010 Spring Meeting, Congress Center in Strasbourg (France) from June 7 to 11, 2010
103	M. Sahal, F.J. Manjón, B. Marí, M. Mollar, A.H. Romero, S. Agouram, J.F. Sánchez-Royo Novel phase of the ZnO-MgO phase diagram in thin films deposited by spray pyrolysis Symposium F: Wide bandgap cubic semiconductors: from growth to devices (ISBN: 978-0-08-096513-0) E-MRS 2010 Spring Meeting, Congress Center in Strasbourg (France) from June 7 to 11, 2010 (Oral)
102	P. Palacios, B. Marí, E. Artacho, P. Wahnou Theoretical study and experimental synthesis of nano-porous ZnO interacting with Metal Tetrasulfonated Phthalocyanines 23-27 May 2010. HOPV-Assisi (Italy)
101	M. Moya, M. Mollar and B. Marí ELECTRODEPOSITION OF HYBRID ZnO/ORGANIC DYE FILMS 7 th International Conference on Porous Semiconductors Science and Technology 2010-PSST2010 March 14-19, Valencia, Spain (ISBN:978-84-370-7693-5)
100	P. Palacios, I. Aguilera, K. Sánchez, B. Marí, E. Artacho, P. Wahnou Theoretical design and experimental synthesis of intermediate band thin film and hybrid photovoltaic materials Conference Semiconductor Sensitized Solar Cells (SSSC10), Jerusalem, 7-10 February 2010 (Oral)
2009 (7)	
99	M. Moya, M. Mollar, Bernabé Marí Growth Mechanism and Morphology of Eosin-Y/ZnO hybrid thin E-MRS 2009 Spring Meeting. Symposium A: Mesoscopic Dye Sensitized and Organic Heterojunction Solar Cells Sunday 10- Wednesday 13 May 2009, Benidorm, Spain (Poster)
98	B. Marí, M. Mollar, R. Casasús, M. Tortosa Structural, optical and magnetic characterization of ZnMO (M=Co, Mn) electrodeposited thin films E-MRS 2009 Spring Meeting. Symposium H: Synthesis, Processing and Characterization of Nanoscale Multi Functional Oxide Films II. June 8 to 12, 2009. Strasbourg, France (Oral)
97	A. El Manouni, R. Casasus, M. Mollar, L. Damonte, B. Marí Preparation and characterization of ZnFeO thin films E-MRS 2009 Spring Meeting. Symposium F: Advances in transparent electronics: from materials to devices. June 8 to 12, 2009. Strasbourg, France (Poster)
96	M. Sahal, B. Marí, M. Mollar, F.J. Manjón Effect of Mg content on optical properties and chemical composition of Zn_{1-x}Mg_xO thin films deposited by spray pyrolysis E-MRS 2009 Spring Meeting. Symposium F: Advances in transparent electronics: from materials to devices. June 8 to 12, 2009. Strasbourg, France (Oral)
95	M. Moya, M. Mollar, Bernabé Marí Study of Eosin-Y/ZnO hybrid films electrodeposited in aqueous and organic solvents HOPV Conference 2009. Hybrid and Organic Photovoltaics Conference Sunday 10- Wednesday 13 May 2009, Benidorm, Spain (Oral)

94	Bernabé Marí, Miguel Mollar, Rosa Casasús, Mónica Moya Nanostructured and hybrid films of zinc oxide and related compounds by electrodeposition ICNM-2009. First International Conference on Nanostructured Materials and Nanocomposites. April 6, 7 and 8, 2009. Kottayam, Kerala, India (Invited)
93	Mónica Moya, Miguel Mollar, Bernabé Marí Study of the growth mechanism and morphology of electrodeposited ZnO/eosin-Y hybrid films Nano Licht. March 9-11, 2009. Valencia (Spain)
2008 (7)	
92	Bernabé Marí, J. Cembrero, Hai Ning Cui, Miguel Mollar Investigations on Bi-layer film with discrete ZnO/continuous ZnO structure 2nd International Symposium on Transparent Conductive Oxides October 22 to 26, Crete, Greece
91	Bernabé Marí, Rosa Casasús, Hai Ning Cui, Miguel Mollar Tailoring the morphology of electrodeposited ZnO 59 th Annual Meeting of the International Society of Electrochemistry. Symposium 5: Electrochemistry of New Materials and Novel Microstructure for Sustainable Development' September 7 to 12, Sevilla, Spain (Oral)
90	M. Mollar, M. Tortosa, R. Casasús, B. Marí Optical properties of electrodeposited ZnMnO films 59 th Annual Meeting of the International Society of Electrochemistry. Symposium 5: Electrochemistry of New Materials and Novel Microstructure for Sustainable Development' September 7 to 12, Sevilla, Spain
89	B. Marí Controlling morphology and composition of ternary semiconductor oxides grown by electrodeposition First Regional Symposium on Electrochemistry of South-East Europe May 4- 8, 2008, Rovinj, Croatia (Oral)
88	M.Sahal, B. Marí, M. Mollar CuInS₂ thin films obtained by spray pyrolysis for photovoltaic applications E-MRS 2008 Spring Meeting. Symposium L: 'Thin film chalcogenide photovoltaic materials'. May 26-May 30, 2008. Strasbourg, France
87	M. Mollar, M. Tortosa, R. Casasús, B. Marí From zinc oxide to manganese oxide by electrodeposition E-MRS 2008 Spring Meeting. Symposium G: 'Wide band gap semiconductor nanostructures for optoelectronic applications'. May 26-May 30, 2008. Strasbourg, France
86	A. El Manouni, M. Tortosa, F.J. Manjón, M. Mollar, B. Marí, J.F. Sánchez-Royo Effect of annealing on Zn_{1-x}Co_yO thin films prepared by electrodeposition E-MRS 2008 Spring Meeting. Symposium G: 'Wide band gap semiconductor nanostructures for optoelectronic applications'. May 26-May 30, 2008. Strasbourg, France
2007 (6)	
85	Laura C. Damonte, Francisco J. Manjón and Bernabé Marí Soucase; Optical properties of mechanically alloyed ZnO-based ternary oxides

	E-MRS 2007 Fall Meeting. Symposium A: ' Chemistry and processes for oxide nanoparticles design ' September 17 – 21, 2007. Warsaw, Poland.
84	J. Cembrero, M. Tortosa, M. Mollar Hai-Ning Cui and B. Marí; Morphological dependence of electrodeposited ZnO-based semiconductors under different growth conditions E-MRS 2007 Fall Meeting. Symposium A: ' Chemistry and processes for oxide nanoparticles design ' September 17 – 21, 2007. Warsaw, Poland
83	M. Tortosa, M. Mollar and B. Marí Synthesis and structural properties of Diluted Magnetic Semiconductors by electrodeposition E-MRS 2007 Fall Meeting. Symposium B: ' Chemical and electrochemical synthesis of advanced materials and nanostructures on solid surfaces: growth mechanisms, characterizations & applications (CESAM) ' September 17 – 21, 2007. Warsaw, Poland.
82	M. Tortosa, B. Marí, M. Mollar; Electrodeposited ZnCdO thin films as conducting optical windows for solar cells E-MRS 2007 Spring Meeting. Symposium D: 'Advanced Materials and concepts for Photovoltaics (AMPS)' May 29-June 2, 2007. Strasbourg, France
81	M. Tortosa, M. Mollar, F.J. Manjón and B. Marí; Cathodic electrodeposition of ZnCoO thin films E-MRS 2007 Spring Meeting. Symposium I: 'Advance in Transparent Electronics: From Materials to Devices-II'. May 29-June 2, 2007. Strasbourg, France
80	B. Marí, J. Cembrero, M. Mollar and M. Tortosa; Optical properties of zinc oxide-based ternary compounds synthesized by electrodeposition Conference on Photonic Materials. 2-6 May 2007 Kariega, South Africa (Oral)
2006 (13)	
79	B. Marí Nanostructured ternary oxides for optoelectronic and photovoltaic applications Jornadas Científico-Técnicas de Nanotecnología Aplicada. Valencia-Suiza 2006. 8 noviembre 2006 Centro Luis Vives. Parc Tecnològic de Paterna. Paterna, València (Spain) (Invited)
78	L.C. Damonte,, M.A. Hernández Fenollosa, V. Donderis and B. Marí Structural and magnetic properties in mechanically alloyed Zn_{1-x}Co_xO semiconductor powders "At the Frontiers of Condensed Matter III: New trends in structural, electronic and magnetic properties of matter" (FCM2006) December 11 to 15, 2006, Buenos Aires, Argentina.
77	M. Tortosa, M. Mollar and B. Marí Synthesis of nanostructured Zn_{1-x}Cd_xO thin films by electrodeposition "XXII Trobades científiques de la Mediterrània" Nanociència i Nanotecnologia. 9-11 d'Octubre de 2006 Maó - Menorca
76	L.C. Damonte,, M.A. Hernández Fenollosa, V. Donderis and B. Marí Composition influence on positron annihilation parameters in ZnO-based nanocrystal semiconductor powders (POS.68) XIVth International Conference on Positron Annihilation July 23rd and July 28th 2006 McMaster University, Hamilton, Ontario, Canada

75	<p>K. Abderrafi, B. Hartiti, A. Rida, Marí S. Bernabe, J.R. Barrado Temperature Dependence of Optical Properties of CdS Thin Films Prepared by Spray (4AV.1.24) 21st European Photovoltaic Solar Energy Conference and Exhibition September 4 - September 8, 2006 Dresden, Germany</p>
74	<p>M. Sahal, B. Hartiti, A. Rida, B. Marí, M. Mollar Studies on the Structural, Electrical and Optical Properties of Al-Doped ZnO s Prepared by Sol-Gel Method (4AV.1.25) 21st European Photovoltaic Solar Energy Conference and Exhibition September 4 - September 8, 2006 Dresden, Germany</p>
73	<p>M.A.Hernández-Fenollosa, M.C. López, V.Donderis, M. González, B.Marí, J.R. Ramos-Barrado Role of precursors on morphology and optical properties of ZnS thin films prepared by chemical spray pyrolysis Symposium R: Advances in transparent electronics: From materials to electronics. May 29-June 2, 2006. Nice, France.</p>
72	<p>K. ABDERRAFI, M. SAHAL, B. HARTITI, B. MARI, A. RIDAH, J. R. RAMOS-BARRADO Thin films of CdTe grown by spray pyrolysis for photovoltaic applications E-MRS 2006 Spring Meeting. Symposium O: Thin Film Chalcogenide Photovoltaic Materials. May 29-June 2, 2006. Nice, France.</p>
71	<p>K. ABDERRAFI, M. SAHAL, B. HARTITI, B. MARI, A. RIDAH, J. R. RAMOS-BARRADO Physical properties of CdS thin films elaborated by spray pyrolysis E-MRS 2006 Spring Meeting. Symposium O: Thin Film Chalcogenide Photovoltaic Materials. May 29-June 2, 2006. Nice, France.</p>
70	<p>El Manouni, F. J. Manjón, M. Perales, M. Mollar, B. Marí, M.C. Lopez and J. R. Ramos Barrado Effect of thermal annealing on ZnO:Al thin films grown by spray pyrolysis E-MRS 2006 Spring Meeting. Symposium K: ZnO and related materials. May 29-June 2, 2006. Nice, France.</p>
69	<p>V. Donderis, M.A. Hernández-Fenollosa, L.C. Damonte, B.Marí, J.Cembrero Enhancement of surface morphology and optical properties of nanocolumnar ZnO films E-MRS 2006 Spring Meeting. Symposium K: ZnO and related materials. May 29-June 2, 2006. Nice, France.</p>
68	<p>M. SAHAL, K. ABDERRAFI, B. HARTITI, B. MARÍ, A. RIDAH and M. MOLLAR Structural and optical properties of ZnO thin films obtained by spray pyrolysis E-MRS 2006 Spring Meeting. Symposium K : ZnO and related materials. May 29- June 2, 2006. Nice, France</p>
67	<p>M. SAHAL, K. ABDERRAFI, B. HARTITI, B. MARÍ, A. RIDAH and M. MOLLAR Structural and optical properties of ZnO thin films by the sol-gel method E-MRS 2006 Spring Meeting. Symposium K : ZnO and related materials. May 29- June 2, 2006. Nice, France</p>
2005 (16)	
66	<p>F. J. Manjón, A. El Manouni, M. Mollar, B. Marí, R. Gómez, M.C. López y J.R. Ramos-Barrado; Efecto del dopado con aluminio en películas delgadas de óxido de zinc crecidas mediante spray pirólisis XXX Reunión Bienal de la Real Sociedad Española de Física (2005).</p>

	Orense (España). Nacional.
65	F. J. Manjón, J.A. Sans, R. Gómez, B. Marí, M.C. López, J.R. Ramos-Barrado, A. Klein, y R. Schafranek; Modos Raman silenciosos en óxido de zinc dopado con aluminio XXX Reunión Bienal de la Real Sociedad Española de Física (2005). Orense (España). Nacional.
64	J.V. Boscá, M. Mollar, F. J. Manjón, y B. Marí; Pràctica de Laboratori: Moviment vibratori amortigat IV Jornadas de didáctica de la Física del Departamento de Física Aplicada de la UPV (2005). Valencia (España). Nacional.
63	F. J. Manjón, M. Mollar, J.V. Boscá, y B. Marí; Programa de ajuste por mínimos cuadrados para el laboratorio docente. Errores de la pendiente y de la ordenada en el origen IV Jornadas de didáctica de la Física del Departamento de Física Aplicada de la UPV (2005). Valencia (España). Nacional.
62	M.A. Hernández-Fenollosa, L.C. Damonte, B. Marí; Defectos inducidos por irradiación de electrones y molienda en compuestos de ZnO III Encuentro de Investigación del Departamento de Física de la UPV (2005). 27-29 de Junio de 2005. Valencia (España). Nacional.
61	J. Cembrero, L.C. Damonte, V. Donderis, M. González, M.A. Hernández, B. Marí, M. Mollar, A. Segura Preparación de capas finas y nanoestructuradas de ZnO para aplicación en dispositivos optoelectrónicos III Encuentro de Investigación del Departamento de Física de la UPV (2005). 27-29 de Junio de 2005. Valencia (España). Nacional.
60	F. J. Manjón, A. El Manouni, M. Mollar, B. Marí, R. Gómez, M.C. López y J.R. Ramos-Barrado; Efecto del dopado con aluminio en películas delgadas de óxido de zinc crecidas mediante spray pirólisis III Encuentro de Investigación del Departamento de Física de la UPV (2005). 27-29 de Junio de 2005. Valencia (España). Nacional.
59	F. J. Manjón, J.A. Sans, R. Gómez, B. Marí, M.C. López, J.R. Ramos-Barrado, A. Klein, y R. Schafranek; Modos Raman silenciosos en óxido de zinc dopado con aluminio III Encuentro de Investigación del Departamento de Física de la UPV (2005). 27-29 de Junio de 2005. Valencia (España). Nacional.
58	L.C. Damonte, M.A. Hernández, B. Marí, Cation substitution in ZnO obtained by mechanical milling 12 th International Symposium on Metastable and Nanomaterials (ISMANAM 2005), 3-7 July 2005. Paris, France.
57	L.C. Damonte, M.A. Hernández, B. Marí, Radiation Induced Defects in III-V Single Crystals 20 th European Photovoltaic Solar Energy Conference and Exhibition. 6-10 June 2005. Barcelona, Spain.
56	A.El Manouni, F.J. Manjón, M. Mollar, B. Marí, R. Gómez, M.C. López, J.R. Ramos-Barrado; “Effect of aluminium doping on zinc oxide, AZO, thin films grown by spray pyrolysis E-MRS 2005 Spring Meeting. Symposium G: ZnO and related materials. May 31- June 3, 2005. Strasbourg, France.
55	M.A. Hernández, B. Marí, J.A. Sans, A. Segura; Effect of thermal annealing on the optical properties of zinc oxide grown by PLD

	E-MRS 2005 Spring Meeting. Symposium G: ZnO and related materials. May 31- June 3, 2005. Strasbourg, France.
54	J.A. Sans, A. Segura, B. Marí, M.A. Hernández; Preparation and characterization of Ga-doped ZnO thin films by pulsed laser deposition E-MRS 2005 Spring Meeting. Symposium G: ZnO and related materials. May 31- June 3, 2005. Strasbourg, France.
53	M.A. Hernández, L.C. Damonte, B. Marí, “ Defects in electron irradiated ZnO single crystals E-MRS 2005 Spring Meeting. Symposium G: ZnO and related materials. May 31- June 3, 2005. Strasbourg, France.
52	L.C. Damonte, M.A. Hernández, B. Marí Microstructure and Photoluminescence Properties of Mg-Doped ZnO Powders 2 nd International Conference on “Nanomaterials and Nanotechnologies” (NN 2005), 14-18 June 2005. Creta, Greece
51	B. Marí, R. Martínez, J. Soto, E. Garcia, L. Gil, J. Ibañez, E. Gadea; Frequency analysis of thick-film electroluminescent (EL) lamp 5 ^a Conferencia de Dispositivos Electrónicos. 2-5 Febrero 2005, Tarragona.
2001-2004	
50	M. Mollar, J.V. Boscà, B. Marí, M. Andreu, M. García; La autoevaluación y el aprendizaje de la física planteados en clave de entretenimiento VI Taller Internacional sobre la Enseñanza de la Física en la Ingeniería. EFING-2004, del 30 de noviembre al 3 de diciembre. La Habana. Cuba
49	B. Marí, M.A. Hernández, M. Mollar, J.A. Sans, A. Segura; Caracterización óptica de láminas delgadas de ZnO elaboradas mediante deposición por laser pulsado VII Congreso Nacional de Materiales. 15 a 17 de junio de 2004. Valencia.
48	J. Cembrero, B. Marí, M. Perales y M. Pascual; Obtención de columnas de ZnO para aplicaciones optoelectrónicas. Parámetros que regulan el crecimiento VII Congreso Nacional de Materiales. 15 a 17 de junio de 2004. Valencia.
47	B. Marí, F. J. Manjón, M. Mollar, J. Cembrero, R. Gómez; ‘ PHOTOLUMINESCENCE IN NANOSTRUCTURED ZnO GROWN BY ELECTRODEPOSITION EMRS 2004 SPRING MEETING. Symposium G on Current Trends in Nanoscience: From Materials to Applications. May 24-28, 2004. Strasbourg, France
46	F.Fabregat-Santiago, J. Bisquert, B. Marí, J. Cembrero; ‘MOTT-SCHOTTKY ANALYSIS OF NANOCOLUMNAR ZnO EMRS 2004 SPRING MEETING. Symposium G on Current Trends in Nanoscience: From Materials to Applications. May 24-28, 2004. Strasbourg, France
45	B. Marí, J. Cembrero, F.J. Manjón, M. Mollar and R. Gómez; ‘ Raman Measurements on Nanocolumnar ZnO crystals Porous Semiconductors Science and Technology (PSST-2004). 15-19 March 2004. Cullera (València) Spain.
44	L.C. Damonte, L.A. Mendoza Zélis, B.Marí Soucase, M.A. Hernández Fenollosa; ‘ NANOPARTICLES OF ZnO OBTAINED BY MECHANICAL MILLING APHYS 2003. Badajoz. Spain.
43	M.A. Hernández Fenollosa, L.Damonte, A. Vidaurre Garayo y B.Marí; ‘

	<p>Aplicación de la espectroscopia de aniquilación de positrones a la determinación de volúmenes libres en polímeros de Poli(Acrilato de Etilo) XXIX Reunión Bienal de la Real Sociedad Española de Física. Septiembre (2003); Madrid.</p>
42	<p>J.A. Sans, A. Segura, M. Mollar and B. Marí; ‘ Optical properties of thin films of ZnO prepared by pulsed laser deposition E-MRS 2003 Meeting. Symposium D: Thin film and nano-structured materials for photovoltaics. June 10 to 13 (2003) Strasbourg.</p>
41	<p>J. Cembrero, M. Perales, A. Elmanouni, B. Hartiti, M. Mollar and B. Marí ; ‘ Nanocolumnar ZnO films for photovoltaic applications E-MRS 2003 Meeting. Symposium D: Thin film and nano-structured materials for photovoltaics. June 10 to 13 (2003) Strasbourg.</p>
40	<p>L. Znaidi, B. Hartiti, M. Mollar Garcia et B. Marí Soucase; ‘ Elaboration par procédé Sol-Gel de couches minces nanostructurées de ZnO antireflet pour cellules solaires COMPLES’2k3: Congrès Méditerranéen pour l’Environnement et le Solaire. Alep - SYRIE 16-17 Mars (2003)</p>
39	<p>B. Marí, M.Mollar, A. Elmanouni, B. Hartiti, M. Perales and J. Cembrero; ‘ Optical properties of nanocolumnar ZnO crystals NANO’2003. III Taller Iberoamericano sobre nanoestructuras con aplicaciones en micro y optoelectrónica. 24-28 de marzo de 2003. Madrid.</p>
38	<p>J.A. Sans, A. Segura, M. Mollar and B. Marí; Optical properties of wurtzite and rock-salt ZnO under pressure SLAFES, XVI Simposio Latinoamericano de Física del Estado Sólido. Diciembre de 2002</p>
37	<p>L. Znaidi, A. Mechkour, B. Hartiti, M. Mollar Garcia, B. Marí Soucase; ‘ Elaboration de couches minces nanostructurées de ZnO et TiO2 pour applications photovoltaïques CIMC’02, (1er Congrès International de Mécanique) 14-16 décembre 2002, Constantine, Algérie.</p>
36	<p>J.A. Sans, A. Segura, M. Mollar and B. Marí; Optical properties of wurtzite and rock-salt ZnO under pressure’ SLAFES, XVI Simposio Latinoamericano de Física del Estado Sólido. Diciembre de 2002</p>
35	<p>E. García-Breijo, L. Gil, J. Ibáñez, A. Tormos, B. Marí; “Sistema de medida de contaminación orgánica de aguas”. SAAEI-2002. Madrid (2002)</p>
1996-2000	
34	<p>G. Torchia y B. Marí “Diseño y montaje de un sistema experimental para la caracterización de células solares en prácticas de laboratorio”. II Jornadas didácticas de la Física. UPV. Julio 2000. Valencia.</p>
33	<p>B. Marí , M. Mollar, R. Andreu, M.C. Muñoz y J.V. Boscà “Tècniques multimèdia aplicades a les pràctiques de laboratori”. II Jornadas didácticas de la Física. UPV. Julio 2000. Valencia.</p>
32	<p>M. Mollar, J,V, Bosca y B. Marí “Programas de simulación en electromagnetismo”. II Jornadas didácticas de la Física. UPV. Julio 2000. Valencia.</p>
31	<p>M.Mollar, B. Marí y J,V, Bosca. “Experimentación, simulación y aprendizaje interactivo” IV Taller Internacional sobre la Enseñanza de la Física en la Ingeniería. EFING-2000. Junio 6-9 (2000) La Habana (Cuba)</p>
30	<p>G. Torchia and B. Marí. "Caracterización de células solares fotovoltaicas en una práctica simple de laboratorio” IV Taller Internacional sobre la Enseñanza de la Física en la Ingeniería. EFING-2000. Junio 6-9 (2000) La Habana (Cuba)</p>

29	A. Homs and B. Marí. "Photoluminescence of undoped and neutron-transmutation-doped InSe". E-MRS Spring Meeting. Symposium G: Optoelectronics I: Materials and Technologies for Optoelectronic Devices. June 1-4 (2000) Strasbourg.
28	F.J. Navarro, M. A. Hernandez, B. Marí. "Aplicación de la espectroscopia de aniquilación de positrones al estudio de defectos en el InP-Fe" XXVII Reunión Bienal de la Real Sociedad Española. de Física. Septiembre (1999); Valencia.
27	M. A. Hernandez, B. Marí. "Determinación de la concentración de impurezas y defectos en el InP-Fe mediante fotoluminiscencia" XXVII Reunión Bienal de la Real Sociedad Española. de Física. Septiembre (1999); Valencia.
26	A. Homs, B. Marí. "Estudio por fotoluminiscencia a bajas temperaturas del InSe dopado por transmutación neutrónica" XXVII Reunión Bienal de la Real Sociedad Española. de Física. Septiembre (1999); Valencia.
25	M.A. Hernandez; J.F. Navarro and B. Marí. "New recombination centres in neutron transmutation doped InP-Fe". E-MRS Spring Meeting. Symposium F: Molecular Photonics at the interface of Physics, Chemistry and Biology, June 1-4 (1999) Strasbourg
24	J.V. Boscà, M. Mollar y B. Marí; "Experiencias de evaluación continua durante los años 1993-1997 en las asignaturas de Fundamentos Físicos de la Ingeniería I y II del Plan 92 de la EUITI. I Jornadas didácticas de la Física en la UPV. Enero (1998). Valencia.
23	B. Marí, J.V. Boscà y M. Mollar; "Descripción, explicación y simulación de fenómenos físicos como herramienta didáctica de apoyo en clases teórico-prácticas" I Jornadas didácticas de la Física en la UPV. Enero (1998). Valencia.
22	B. Marí, J.V. Boscà, M. Mollar; "Técnicas de simulación e hipertexto aplicadas a la didáctica de la Física" VI Congreso Universitario sobre Innovación Educativa en las Enseñanzas Técnicas". Septiembre (1998). Las Palmas de Gran Canaria.
21	B. Marí, J.V. Boscà, M. Mollar; "Técnicas de simulación e hipertexto aplicadas a la didáctica de la Física" VI Congreso Universitario sobre Innovación Educativa en las Enseñanzas Técnicas". Septiembre (1998). Las Palmas de Gran Canaria.
20	B. Marí, M.A. Hernández, F.J. Navarro, R. Fonari. "Photoluminescence studies of neutron-transmutation -doped InP:Fe"; E-MRS'98 Spring Meeting. Symposium J: Ion Implantation into Semiconductors, Oxides and Ceramics, June 16-19, (1998). Strasbourg
19	F.J.Navarro, .B.Marí, M.A.Hernández, " Estudio del comportamiento de las vacantes de In en cristales de InP e InP-Fe mediante espectroscopía de aniquilación de positrones". XXVI Reunión Bienal de la Real Sociedad Española. de Física Septiembre (1997), Gran Canaria.
18	B.Marí, M.A.Hernández, F.J.Navarro " Estudio de impurezas en InP-Fe mediante técnicas de fotoluminiscencia" XXVI Reunión Bienal de la Real Sociedad Española. de Física. Septiembre (1997), Gran Canaria.
17	B.Marí, F.J.Navarro, M.A.Hernández,; "Study of iron-related defects on SI-InP crystals by Positron Annihilation Spectroscopy". The 19th International Conference on Defects in Semiconductors, July 21-25, (1997) Aveiro (Portugal).
16	B. Marí, J.F. Navarro, M.A. Hernandez and J. Riera; "Radiation Damage in Neutron Transmutation Doped/InP". E-MRS Spring Meeting. Symposium I: New Trends in Ion Beam Processing of Materials, June 4-7, (1996). Strasbourg.
1991-1995	
15	B. Marí, R. Clemente, V. Muñoz, A. Segura Neutron Transmutation Doping of III-VI Layered Semiconductors 1st International Conference on Materials for Microelectronics. 17-19 October (1994) Barcelona.
14	B. Marí, B. Prevot and C. Schwab Efective n-type doping of InP by the Neutron Transmutation Technique EXMATEC'92. May 19- 22, 1992. Lyon.
13	B. Boudart, B. Marí and B. Prevot Raman investigation of the photocarrier properties in both undoped and Fe-doped InP substrates EXMATEC'92. May 19-22, 1992. Lyon.

12	T. Benchiguer, B. Marí, C. Schwab and U.V. Desnica Time evolution analysis of photo-EPR and photo-electrical data on bulk semi-insulating GaAs 7th Conference on Semi-insulating III-V Materials, April 21-24, 1992. Ixtapa. (Mexico)
11	T. Benchiguer, B. Marí and C. Schwab; " Carrier control by neutron-transmutation- doping of semi-insulating GaAs 7th Conference on Semi-insulating III-V Materials, April 21-24, 1992. Ixtapa. (Mexico)
10	B. Boudart, B. Marí, B. Prevot and C. Schwab; Efficiency of Neutron-Transmutation-Doping of InP investigated by optical and electrical methods E-MRS 1991 Spring Meeting. SYMPOSIUM F: Nuclear Methods in Semiconductor Physics. May 28-31, 1991. Strasbourg.
1985-1990	
9	T. Benchiguer, E.Christoffel, A.Goltzene, B. Marí, B.Meyer and C.Schwab Donor-Acceptor Charge Transfers in Bulk Semi- Insulating GaAs as Revealed by Photo-EPR E-MRS Fall Conference. SYMPOSIUM D: Analytical Techniques for the characterization of compound semiconductors. 27-30 November 1990. Strasbourg.
8	B.Marí, A. Segura and A. Chevy Electrical Properties of Neutron-Transmutacion-Doped InSe E-MRS Fall Conference. SYMPOSIUM D: Analytical techniques for the characterization of compound semiconductors. 27-30 November 1990. Strasbourg.
7	B. Marí, A. Segura Propietats de Transport en l'InSe dopat amb estany Trobades Científiques de la Mediterrànea: Microelectrònica. Maó, 1989
6	B. Marí, A. Casanovas, A. Segura Nivells d'impuresa amb l'InSe dopat amb estany Trobades Científiques de la Mediterrànea: Microelectrònica. Maó, 1989
5	A.Segura, M.C. Martínez-Tomás, B. Marí, A. Casanovas, A. Chevy; Niveles de Impureza en el InSe-p XXI Reunión Bienal de la Real Sociedad Española de Física. Salamanca. Octubre de 1987. Nacional.
4	A. Segura, J.L. Valdés, A. Cantarero, F. Pomer, J.P. Martinez, B. Marí Mejora del rendimiento de las células solares de ITO/InSe-p XX Reunion bienal de la Real Sociedad Española de Física. Sitges. Octubre 1985. Nacional.
3	B.Marí, A. Segura; Absorción por portadores libres en el InSe-n XX Reunión bienal de la Real Sociedad Española de Física. Sitges. Octubre 1985. Nacional.
2	A.Segura, J.L. Valdés, A. Cantarero, F. Pomer, J.P.Martinez, B. Marí Cellules Solaires de Seleniure d'Indium 23 Congreso Internacional de COMPLES Sevilla 1985. Internacional.
1	B. Marí, A. Segura Parámetros de transporte en el InSe no dopado Primer Simposio Iberico de Fisica da Materia Condensada. Lisboa 1983. Internacional.

6. Guiding of PhD students

10	<p>Título: Preparation et performance d'une cellule photocatalytique à base d'hématite pour la génération d'hydrogène. Doctorando: Suzan Saber Director: Bernabé Marí Soucase Universitat Politècnica de València Facultad/Escuela: Escuela Técnica Superior de Ingeniería del Diseño Fecha: 30 Julio 2018 (<i>Prevista</i>) Calificación:</p>
9	<p>Título: Preparation et performance d'une cellule photocatalytique à base d'hématite pour la génération d'hydrogène. Doctorando: Feriel Bouhjar Director: Bernabé Marí Soucase Universitat Politècnica de València Facultad/Escuela: Escuela Técnica Superior de Ingeniería del Diseño Fecha: 19 Junio 2018 Calificación: <i>Sobresaliente Cum Laude</i></p>
8	<p>Título: Preparation and Characterization of SnS thin films by Chemical Spray Pyrolysis for fabrication of solar cells. Doctorando: Thierno Sall Director: Bernabé Marí Soucase Universitat Politècnica de València Facultad/Escuela: Escuela Técnica Superior de Ingeniería del Diseño Fecha: diciembre 2017 Calificación: <i>Sobresaliente Cum Laude</i></p>
7	<p>Título: Análisis y propuestas de mejora del sistema energético español Doctorando: Jose Antonio Galdón Ruiz Director: Bernabé Marí Soucase/ Inmaculada Guaita Pradas Universitat Politècnica de València Facultad/Escuela: Escuela Técnica Superior de Ingeniería del Diseño Fecha: 6 de octubre de 2017 Calificación: <i>Sobresaliente Cum Laude</i></p>
6	<p>Título: Thin Film Solar Cells based on CIGS materials Doctorando: Shafi Ullah Universidad: Politécnica de Valencia Facultad/Escuela: Escuela Técnica Superior de Ingeniería del Diseño Fecha: 24 de julio 2017 Calificación: <i>Sobresaliente Cum Laude</i></p>
5	<p>Título: Simulation studies of thin film photovoltaics devices Doctorando: Hanif Ullah Universidad: Politécnica de Valencia Facultad/Escuela: Escuela Técnica Superior de Ingeniería del Diseño Fecha: 24 de marzo 2015 Calificación: <i>Sobresaliente Cum Laude</i></p>

4	<p>Título: Preparación electroquímica de capas híbridas nanoestructuradas para conversión fotovoltaica PhD student: Monica Mercedes Moya Forero Universitat Politècnica de València Date: 26/septiembre/2012 Calificación: Apto Cum Laude</p>
3	<p>Title: Electrodeposition of ternary semiconductor oxides based on Zinc Oxide. PhD student: Mariola Tortosa Jorques Directors: Bernabé Marí Soucase/ Miguel Mollar García Universitat Politècnica de València Center: Escuela Técnica Superior de Ingeniería del Diseño Date: July 2011</p>
2	<p>Title: Elaboración y caracterización de capas finas de CuInS_2 y ZnO intrínseco y dopado con Al y Mg preparadas con técnicas de bajo coste para aplicaciones fotovoltaicas. PhD student: Mustapha Sahal Universidad: Politécnica de Valencia Center: Escuela Técnica Superior de Ingeniería del Diseño Date: June 2010</p>
1	<p>Title: Estudio de defectos generados por irradiación neutrónica en el InP:Fe PhD student: M^a Angeles Hernández Fenollosa Universidad: Politécnica de València Center: Escuela de Ingeniería Técnica Industrial (EUITI de Valencia) Date: 1998 Calification: Apto Cum Laude</p>

7. Stays in foreign Universities		
Code	Centre	Dates
Invited	Instituto de Física. Benemérita Universidad Autónoma de Puebla. Puebla (México)	2016 (1 mes)
Invited	Instituto de Física. Benemérita Universidad Autónoma de Puebla. Puebla (México)	2015 (1 mes)
Invited	Maharsi Danayand University (Rohtak, India)	2014 (3 semanas)
Invited	Instituto de Química. Universidad Católica de Valparaíso. Valparaíso (Chile)	2014 (1 month)
Invited	Gurukul Kangri University. School of Sciences (Haridwar, India)	2013 (3 weeks)
Invited	Instituto de Física. Benemérita Universidad Autónoma de Puebla. Puebla (México)	2013 (2 months)
Invited	Instituto de Química, Pontificia Universidad Católica de Valparaíso, Valparaíso (CHILE)	2011 (2 weeks)
Invited	School of Chemistry. University of Southampton. Southampton (England)	2008 (3 months)
Invited	Universidad Nacional de LaPlata, La Plata (Argentina)	1992 (4 weeks)

Invited	Centre de Recherches Nucleaires (CNRS) Strasbourg (France)	1992 (5 weeks)
Postdoctoral	Centre de Recherches Nucleaires (CNRS) Strasbourg (France)	1998-1991 (2 years)

8. Other merits

Academic Positions

- Vice President for Linguistic Promotion (*Vicerector de Promoci3n Lingüística*) at Universitat Politècnica de València. From MARCH 2000 TILL MARCH 2005.

- Director of the Cours University Specialist in Instalacions of photovoltaic and photothermal solar energy. Degree from UPV. 1ª edition 2004, 2ª edition October 2005-February 2006, 3ª edition October 2006-February 2007, 4ª edition October 2007-February 2008, 5ª edition October 2008-February 2009.

RESEARCH STEPS GIVEN BY THE SPANISH MINISTRY OF SCIENCE: TOTAL 5

5. 1 corresponding to period 2010-2015
4. 1 corresponding to period 2004-2009
3. 1 corresponding to period 1998-2003
2. 1 corresponding to period 1992-97
1. 1 corresponding to period 1986-91

FIELD 1: Physics and Mathematics

CONVENTIONS AND EDUCATIONAL ACTIVITIES

- Convention with UNED to carry out practices in the area of physics bachelor's degrees in Physics, Chemistry and Engineering. Academic year 1986-87, 1987-88, 1988-89, 1991-92, 1992-93

- Collaboration with the Institute of F.P. Blasco Ibañez (Valencia) for the development of an experimental program of the Curriculum of Profesional Training. Academic year 1987-88

PROYECTOS FIN DE CARRERA DIRIGIDOS: Total (17)

• 1992 (2), 1993 (3), 1994 (5), 1995 (2), 1996 (1), 1997 (3), 1998 (1), Prize Bancaixa, 2000 (1), Center: EUITI of Valencia

GUIDING of FOREIGN STUDENTS

14.-Programa MAE - AECI/2004
Dr.Ahmed Elmanouni. Profesor de la Faculté des Sciences et Techniques. Université Hassan II. Mohammedia. Marruecos.

Tema de trabajo: Estudio de capas finas de ZnO:Al obtenidas por spray pyrolysis
Period: October 2004-January 2005

13.- Antoine Brimont. Estudiante de Ecole de Physique. Grenoble, Francia
Tema de trabajo: Caracterización eléctrica de capas finas óxidos semiconductores.
Period: April-July 2004

12.- Xavier Kerouanton. Estudiante de Institut des Sciences et Techniques d'Angers (ISTIA). Angers, Francia
Tema de trabajo: Puesta a punto de un sistema automatizado de para caracterizar el rendimiento de células solares.
Period: April-July 2004

<p>11.- Séverine Herfray. Estudiante de Institut des Sciences et Techniques d'Angers (ISTIA). Angers, Francia Tema de trabajo: Montaje y caracterización de fotodetectores para el ultravioleta. Period: May-July 2003</p>
<p>10.-Programa MAE - AECI/2002 Dr.Ahmed Elmanouni. Profesor de la Faculté des Sciences et Techniques. Université Hassan II. Mohammedia. Marruecos. Tema de trabajo: Preparación de capas finas de ZnO por electrodeposición Period: October 2002-MARCH 2003</p>
<p>9.-Programa MAE - AECI/2002 Dr. Bouchaib Hartiti. Profesor de la Faculté des Sciences et Techniques. Université Hassan II. Mohammedia. Marruecos. Tema de trabajo: Preparación de capas finas de ZnO por 'spin coating' Period: October 2002-MARCH 2003</p>
<p>8- Programa de Cooperación Universitaria/AL.E.2001 Dra Laura Damonte. Profesora de la Universidad Nacional de La Plata (Argentina) Tema de trabajo: Estudio de óxidos conductores por espectroscopia de aniquilación de positrones. Period: February-MARCH 2001</p>
<p>7- Programa de Cooperación Universitaria/AL.E.2001 Omar Said Buassi Monroy. Profesor del Instituto Tecnológico de Monterrey (Mexico) Tema de trabajo: Caracterización de películas conductoras para células solares. Period: February-MARCH de 2001</p>
<p>6- Programa de Cooperación Universitaria/AL.E.2000 Gustavo Adrian Torchia..Estudiante de Doctorado de la Universidad Nacional de La Plata (Argentina) Tema de trabajo: Eficiencia de células solares. Period: January-MARCH de 2000</p>
<p>5- Programa de Cooperación Universitaria/AL.E.99 Jairo Bautista Mesa.Universidad UNIINCA. Santafe de Bogotá. (Colombia) Tema de trabajo: Montaje de un sistema de efecto Hall. Period: January-MARCH de 1999</p>
<p>4- Alejandro Homs Purón. Licenciado en C. Físicas. Universidad de La Habana Becario de la AECI para realizar estudios trabajo de investigación en el DFA: Física de la materia Period: de January de 1999 a January de 2000</p>
<p>3- Programa de Cooperación Universitaria/AL.E.98 Alexis Torres Rúa (Estudiante de Ingeniería electrónica, 9º semestre en Universidad Pontificia Bolivariana. Medellin. Colombia). Tema de trabajo: Caracterización y puesta a punto de fotodetectores semiconductores. Period: January-MARCH de 1998</p>
<p>2- Neil Crowther (Estudiante de Electronic Engineering a Oxford Brookes University. London) Temas de trabajo: "Semiconductor Lasers" y "Characteristics of a silicon p-i-n photodiode" Period: May-June-July de 1995</p>
<p>1- Director de stage de Rachel Jeannerot (Estudiante de 2eme année de la Ecole National de Physique de Strasbourg) Tema de trabajo : « Mise au point de logiciels pour la Physique de Semiconducteurs » Periodo: July-August de 1992</p>