



Electrónica y Tecnología de Computadores

Áreas de conocimiento: Electrónica, Tecnología Electrónica

Director: Juan Antonio López Villanueva

Secretario: Luis Parrilla Roure

Página web: <http://electronica.ugr.es>

Profesorado: CU: 6, PTU: 16, PTEU: 0, PDI Contratado y Otros: 19.

Tesis leídas

- Desarrollo de plantillas instrumentadas para la monitorización de parámetros biométricos

Doctorando: Fernando Martínez Martí

Director: Alberto J. Palma López y Miguel Ángel Carvajal Rodríguez

Fecha de lectura: 4 de Marzo de 2016

Grupos de Investigación.

TIC216 GRUPO DE INVESTIGACIÓN EN NANOELÉTRONICA

- Responsable: FRANCISCO J GAMIZ PEREZ

TIC127 DITEC - TÉCNICAS DIGITALES

- Responsable: LUIS PARRILLA ROURE

TIC105 GRUPO DE INVESTIGACION EN DISPOSITIVOS ELECTRONICOS

- Responsable: JUAN ENRIQUE CARCELLER BELTRAN

Dirección y participación en Proyectos I+D

- 2015 El transistor pseudo-MOSFET como plataforma CMOS para la detección de agentes patógenos.

Aplicación a la detección precoz del virus del papiloma humano (VPH), Proyectos de Investigación de Excelencia de la Junta de Andalucía, 01/01/- 2015 -01/01/2018

Responsable: GAMIZ PEREZ, FRANCISCO J

Investigador/a: RODRÍGUEZ SANTIAGO, NOEL

Investigador/a: SAMPEDRO MATARÍN, CARLOS

Investigador/a: DONETTI, LUCA

Investigador/a: FERNÁNDEZ SÁNCHEZ, CRISTINA

Investigador/a: GONZÁLEZ MARÍN, ENRIQUE

- 2015 Which Architecture Yields Two Other Generations Of Fully depleted Advanced Substrate & Technologies (WAYTOGO FAST), Horizon 2020 - Comisión Europea, 01/05/- 2015 -30/04/2017

Responsable: GAMIZ PEREZ, FRANCISCO J

Investigador/a: BIEL RUIZ, BLANCA

Investigador/a: TIENDA LUNA, ISABEL MARIA

Investigador/a: RODRÍGUEZ SANTIAGO, NOEL

Investigador/a: GARCÍA RUIZ, FRANCISCO JAVIER

Investigador/a: GODOY MEDINA, ANDRES

Investigador/a: DONETTI, LUCA

Investigador/a: SAMPEDRO MATARÍN, CARLOS

- 2015 Inclusión en el calzado de la unidad de procesamiento para unas plantillas instrumentadas completamente inalámbricas, CeIBiotic-Universidad de Granada, 30/05/- 2015 -31/12/- 2015

Investigador/a: CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL

Investigador/a: LÓPEZ RUIZ, NURIA

Responsable: MARTÍNEZ GARCÍA, MARÍA SOFÍA

Investigador/a: PALMA LOPEZ, ALBERTO JOSE

Investigador/a: BANQUERI OZAEZ, JESUS

Investigador/a: MARTÍNEZ MARTÍ, FERNANDO

- 2015 Desarrollo de una placa con diversos sensores dosimétricos para microsatélite (CubeSat), 01/06/- 2015 -31/12/- 2015

Investigador/a: PALMA LOPEZ, ALBERTO JOSE

Investigador/a: CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL

- 2015 Simulación física, caracterización y modelado compacto de memorias RRAM Y memristores basados en estructuras MIM Y MIS, Ministerio de Economía y Competitividad, 01/01/- 2015 -31/12/2017

Coordinador: JIMENEZ MOLINOS, FRANCISCO

Investigador/a: ROLDÁN ARANDA, ANDRÉS MARÍA

Investigador/a: CARTUJO CASSINELLO, PEDRO

Coordinador: ROLDAN ARANDA, JUAN B.

- 2015 OPTIMIZACIÓN DE LA CELDA DE MEMORIA A2RAM PARA LOS PRÓXIMOS NODOS TECNOLÓGICOS., Ministerio de Economía y Competitividad, 01/01/- 2015 -31/12/2017

Investigador/a: TIENDA LUNA, ISABEL MARIA

Investigador/a: GODOY MEDINA, ANDRES



Investigador/a: RODRÍGUEZ SANTIAGO, NOEL
Investigador/a: SAMPEDRO MATARÍN, CARLOS
Investigador/a: DONETTI, LUCA
Investigador/a: BIEL RUIZ, BLANCA
Investigador/a: GARCÍA RUIZ, FRANCISCO JAVIER
Responsable: GAMIZ PEREZ, FRANCISCO J
- Proyecto de I+D: Detección de alérgenos alimentarios mediante grafeno
IP: Blanca Biel Ruiz
Organismo financiador: Plan Propio de Investigación de la UGR (2575 €)

Publicaciones en revistas

- 2016 Artículo: Electrical characterization of Random Telegraph Noise in Fully-Depleted Silicon-On-Insulator MOSFETs under extended temperature range and back-bias operation, *Solid-State Electronics*, 117, , 60-65
GAMIZ PEREZ, FRANCISCO J
MÁRQUEZ GONZÁLEZ, CARLOS
RODRÍGUEZ SANTIAGO, NOEL
- 2016 Artículo: Hardware activation by means of PUFs and Elliptic Curve Cryptography in Field-Programmable Devices, *ELECTRONICS*, 5, 1, -
CASTILLO MORALES, ENCARNACIÓN
GARCÍA RÍOS, ANTONIO
MORALES SANTOS, DIEGO PEDRO
PARRILLA ROURE, LUIS
- 2016 Artículo: A new parameter to characterize the charge transport regime in Ni/HfO₂/Si-n⁺-based RRAMs, *Solid-State Electronics*, 1, in press, 1-1
JIMENEZ MOLINOS, FRANCISCO
ROLDAN ARANDA, JUAN B.
- 2016 Artículo: A review of CMOS photodiode modeling and the role of the lateral photoresponse, *IEEE Transactions on Electron Devices*, 63, , 16-25
ROLDAN ARANDA, JUAN B.
- 2016 Artículo: Theoretical characterisation of point defects on a MoS₂ monolayer by scanning tunneling microscopy., *Nanotechnology*, 27, , 105702-
BIEL RUIZ, BLANCA
- 2016 Artículo: Development of a printed sensor for volatile organic compound detection at $\mu\text{g/L}$ -level, *Sensors and Actuators B*, 230, , 115-122
FERNÁNDEZ SALMERÓN, JOSÉ
PALMA LOPEZ, ALBERTO JOSE
RIVADENEYRA TORRES, ALMUDENA
- 2016 Artículo: Band-to-band tunneling distance analysis in the heterogate electron-hole bilayer tunnel field-effect transistor, *Journal of Applied Physics. American Institute of Physics*, 119, 4, 1-5
GAMIZ PEREZ, FRANCISCO J
PADILLA DE LA TORRE, JOSÉ LUIS
- 2016 Artículo: Gait recording with inertial sensors - How to determine initial and terminal contact, *Journal Of Biomechanics (Online)*, 43, 3, 332-337
CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
MARTÍNEZ MARTÍ, FERNANDO
- 2016 Artículo: Printed electrodes structures as capacitive humidity sensors: A comparison, *Sensors and Actuators A:Physical*, 244, , 56-65
FERNÁNDEZ SALMERÓN, JOSÉ
LOPEZ VILLANUEVA, JUAN ANTONIO
PALMA LOPEZ, ALBERTO JOSE
RIVADENEYRA TORRES, ALMUDENA
- 2016 Artículo: Evaluation of a reconfigurable portable instrument for copper determination based on luminescent carbon dots, *Analytical and Bioanalytical Chemistry*, 408, , 3013-3020
CASTILLO MORALES, ENCARNACIÓN
MARTINEZ OLMOS, ANTONIO
MORALES SANTOS, DIEGO PEDRO
PALMA LOPEZ, ALBERTO JOSE
- 2016 Artículo: Charge transfer processes at the semiconductor/electrolyte interface for solar fuel production: insight from impedance spectroscopy, *Journal of Material Chemistry A*, 4, 8, 2873-2879
JIMENEZ TEJADA, JUAN ANTONIO
LÓPEZ VARO, PILAR
- 2016 Artículo: Charge density at the contacts of symmetric and asymmetric organic diodes, *Organic electronics*, 35, , 74-86
JIMENEZ TEJADA, JUAN ANTONIO



LÓPEZ VARO, PILAR

- 2016 Artículo: Electrical Characterization and Conductivity Optimization of Laser Reduced Graphene Oxide on Insulator using Point-Contact Methods, RSC ADVANCES, 6, 52, 46231-46237

GAMIZ PEREZ, FRANCISCO J

MÁRQUEZ GONZÁLEZ, CARLOS

RODRÍGUEZ SANTIAGO, NOEL

- 2016 Artículo: Combinatorial Investigation and Modelling of MoO₃ Hole-Selective Contact in TiO₂|Co₃O₄|MoO₃ All-Oxide Solar Cells, Advanced Materials Interfaces, 3, 1, (1) 1500405-(7)

LÓPEZ VARO, PILAR

- 2016 Artículo: Co₃O₄ Based All-Oxide PV: A Numerical Simulation Analyzed Combinatorial Material Science Study, The Journal of Physical Chemistry C, 120, 17, 9053-9060

LÓPEZ VARO, PILAR

- 2016 Artículo: Understanding the synergistic effect of WO₃-BiVO₄ heterostructures by impedance spectroscopy, Physical Chemistry Chemical Physics, 18, 13, 9255-9261

LÓPEZ VARO, PILAR

- 2016 Artículo: Flexible passive tag based on light energy harvesting for gas threshold determination in sealed environments, SENSORS AND ACTUATORS B: CHEMICAL, 236, , 226-232

CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL

MARTINEZ OLMOS, ANTONIO

PALMA LOPEZ, ALBERTO JOSE

- 2015 Artículo: Impact of the Back-Gate Biasing on Trigate MOSFET Electron Mobility, IEEE Transactions on Electron Devices, 62, 1, 224-227

GAMIZ PEREZ, FRANCISCO J

GARCÍA RUIZ, FRANCISCO JAVIER

GODOY MEDINA, ANDRES

GONZÁLEZ MARÍN, ENRIQUE

MARTÍNEZ BLANQUE, CELSO JESÚS

TIENDA LUNA, ISABEL MARIA

- 2015 Artículo: A printed capacitive-resistive double sensor for toluene and moisture sensing, SENSORS AND ACTUATORS B: CHEMICAL, 210, , 542-549

FERNÁNDEZ SALMERÓN, JOSÉ

LOPEZ VILLANUEVA, JUAN ANTONIO

PALMA LOPEZ, ALBERTO JOSE

RIVADENEYRA TORRES, ALMUDENA

- 2015 Artículo: Cantilever Fabrication by a Printing and Bonding Process, Journal Of

Microelectromechanical Systems, , 99, -

FERNÁNDEZ SALMERÓN, JOSÉ

LOPEZ VILLANUEVA, JUAN ANTONIO

PALMA LOPEZ, ALBERTO JOSE

RIVADENEYRA TORRES, ALMUDENA

- 2015 Artículo: Mobility and Capacitance Comparison in Scaled InGaAs Versus Si Trigate MOSFETs, IEEE Electron Device Letters, 36, 2, 114-116

GAMIZ PEREZ, FRANCISCO J

GARCÍA RUIZ, FRANCISCO JAVIER

GODOY MEDINA, ANDRES

GONZÁLEZ MARÍN, ENRIQUE

TIENDA LUNA, ISABEL MARIA

- 2015 Artículo: The unexpected beneficial effect of the L-valley population on the electron mobility of GaAs nanowires, Applied Physics Letters, 106, , 022113-1-022113-4

GAMIZ PEREZ, FRANCISCO J

GARCÍA RUIZ, FRANCISCO JAVIER

GODOY MEDINA, ANDRES

GONZÁLEZ MARÍN, ENRIQUE

TIENDA LUNA, ISABEL MARIA

- 2015 Artículo: A Space Weather Information Service Based Upon Remote and In-Situ Measurements of Coronal Mass Ejections Heading for Earth, Journal of Space Weather and Space Climate, A3, 5, -

ROLDÁN ARANDA, ANDRÉS MARÍA

- 2015 Artículo: Accuracy Improvement of MOSFET Dosimeters in Case of Variation in Thermal Parameters, IEEE Transactions on Nuclear Science, 62, 2, 487-493

BANQUERI OZAEZ, JESUS

CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL

MARTÍNEZ GARCÍA, MARÍA SOFÍA

PALMA LOPEZ, ALBERTO JOSE

- 2015 Artículo: Design Time Optimization for Hardware Watermarking Protection of HDL Designs, The scientific world journal, - 2015 , , 1-15



- CASTILLO MORALES, ENCARNACIÓN
GARCÍA RÍOS, ANTONIO
MORALES SANTOS, DIEGO PEDRO
PARRILLA ROURE, LUIS
- 2015 Artículo: Improvements for the applicability of power-watermarking to embedded IP Cores protection: e-coreIPP, Digital Signal Processing (Print), , , -
CASTILLO MORALES, ENCARNACIÓN
GARCÍA RÍOS, ANTONIO
MORALES SANTOS, DIEGO PEDRO
PARRILLA ROURE, LUIS
- 2015 Artículo: On the effective mobility extraction by point-contact techniques on silicon-on-insulator substrates, Journal of Applied Physics. American Institute of Physics, , 117, 035707-1-035707-7
FERNÁNDEZ SÁNCHEZ, CRISTINA
MÁRQUEZ GONZÁLEZ, CARLOS
RODRÍGUEZ SANTIAGO, NOEL
- 2015 Artículo: Experimental developments of A2RAM memory cells on SOI and bulk substrates, Solid-State Electronics, , 103, 7-14
GAMIZ PEREZ, FRANCISCO J
MÁRQUEZ GONZÁLEZ, CARLOS
NAVARRO MORAL, CARLOS
RODRÍGUEZ SANTIAGO, NOEL
- 2015 Artículo: Fast lifetime and amplitude determination in luminescence exponential decays, SENSORS AND ACTUATORS B: CHEMICAL, 216, , 595-602
CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
LÓPEZ RUIZ, NURIA
MARTINEZ OLMOS, ANTONIO
PALMA LOPEZ, ALBERTO JOSE
- 2015 Artículo: Wearable System for Monitoring of Oxygen Concentration in Breath Based on Optical Sensor, IEEE Sensors Journal, 15, 7, 4039-4045
CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
LÓPEZ RUIZ, NURIA
MARTINEZ OLMOS, ANTONIO
- 2015 Artículo: Tunability of effective masses on MoS2 monolayers, Microelectronic Engineering, 147, , 302-305
BIEL RUIZ, BLANCA
DONETTI, LUCA
GAMIZ PEREZ, FRANCISCO J
GODOY MEDINA, ANDRES
- 2015 Artículo: An in-depth study of thermal effects in reset transitions in HfO2 based RRAMs, Solid-State Electronics, 111, 1, 47-51
GOMEZ CAMPOS, FRANCISCO MANUEL
JIMENEZ MOLINOS, FRANCISCO
ROLDAN ARANDA, JUAN B.
- 2015 Artículo: I-V characteristics of in-plane and out-plane strained edge-hydrogenated armchair graphene nanoribbons, Journal of Applied Physics. American Institute of Physics, 117, 24, 244504-
RODRIGUEZ BOLIVAR, SALVADOR
- 2015 Artículo: Comparative study of MOSFET response to photon and electron beams in reference conditions, Sensors and Actuators A:Physical, , 225, 95-102
CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
MARTÍNEZ GARCÍA, MARÍA SOFÍA
PALMA LOPEZ, ALBERTO JOSE
- 2015 Artículo: Adaptive ECT System Based on Reconfigurable Electronics, Measurement: Journal of the International Measurement Confederation, 74, , 238-245
CASTILLO MORALES, ENCARNACIÓN
GARCÍA RÍOS, ANTONIO
LÓPEZ RUIZ, NURIA
MARTINEZ OLMOS, ANTONIO
MORALES SANTOS, DIEGO PEDRO
- 2015 Artículo: Improved manufacturing process for printed cantilevers by using water removable sacrificial substrate, Sensors and Actuators A:Physical, 235, , 171-181
FERNÁNDEZ SALMERÓN, JOSÉ
LOPEZ VILLANUEVA, JUAN ANTONIO
PALMA LOPEZ, ALBERTO JOSE
RIVADENEYRA TORRES, ALMUDENA
- 2015 Artículo: Passive UHF RFID Tag with Multiple Sensing Capabilities, Sensors, 15, , 26769-26782



CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
FERNÁNDEZ SALMERÓN, JOSÉ
MARTÍNEZ MARTÍ, FERNANDO
PALMA LOPEZ, ALBERTO JOSE
RIVADENEYRA TORRES, ALMUDENA
- 2015 Review: Recent developments in computer vision-based analytical chemistry: A tutorial review, *Analytica chimica acta (Print)*, 899, , 23-56
LÓPEZ RUIZ, NURIA
MARTINEZ OLMOS, ANTONIO
PALMA LOPEZ, ALBERTO JOSE
- 2015 Artículo: Simulation study of the electron mobility in few-layer MoS₂ metal-insulator-semiconductor field-effect transistors, *Solid-State Electronics*, 114, , 30-34
GAMIZ PEREZ, FRANCISCO J
GARCÍA RUIZ, FRANCISCO JAVIER
GODOY MEDINA, ANDRES
GONZÁLEZ MARÍN, ENRIQUE
- 2015 Artículo: A new explicit and analytical model of square Gate-All-Around MOSFETs with wounded corners, *Solid-State Electronics*, 111, , 180-187
GARCÍA RUIZ, FRANCISCO JAVIER
GONZÁLEZ MARÍN, ENRIQUE
ROLDAN ARANDA, JUAN B.
- 2015 Artículo: Analytic drain current model for III-V cylindrical nanowire transistors, *Journal of Applied Physics. American Institute of Physics*, 118, , 044502-
GAMIZ PEREZ, FRANCISCO J
GARCÍA RUIZ, FRANCISCO JAVIER
GODOY MEDINA, ANDRES
GONZÁLEZ MARÍN, ENRIQUE
- 2015 Artículo: Implicit versus explicit momentum relaxation time solution for semiconductor nanowires, *Journal of Applied Physics. American Institute of Physics*, 118, , 024504-
GAMIZ PEREZ, FRANCISCO J
GARCÍA RUIZ, FRANCISCO JAVIER
GODOY MEDINA, ANDRES
GONZÁLEZ MARÍN, ENRIQUE
TIENDA LUNA, ISABEL MARIA
- 2015 Artículo: Analytic Potential and Charge Model of Semiconductor Quantum Wells, *IEEE Transactions on Electron Devices*, 62, 12, 4186-
GAMIZ PEREZ, FRANCISCO J
GARCÍA RUIZ, FRANCISCO JAVIER
GODOY MEDINA, ANDRES
GONZÁLEZ MARÍN, ENRIQUE
TIENDA LUNA, ISABEL MARIA
- 2015 Artículo: An in-depth study on WENO-based techniques to improve parameter extraction procedures in MOSFET transistors, *Mathematics and Computers in Simulation*, 118, , 248-257
ROLDÁN ARANDA, ANDRÉS MARÍA
ROLDAN ARANDA, JUAN B.
- 2015 Artículo: Time-domain numerical modeling of THz receivers based on photoconductive antennas, *JOURNAL OF THE OPTICAL SOCIETY OF AMERICA-B*, 32, 10, 2034-2041
ROLDAN ARANDA, JUAN B.
- 2015 Artículo: Semiempirical Modeling of Reset Transitions in Unipolar Resistive-Switching based Memristors, *RADIOENGINEERING*, 1, 1, 420-424
JIMENEZ MOLINOS, FRANCISCO
ROLDAN ARANDA, JUAN B.
- 2015 Artículo: A SPICE Compact Model for Unipolar RRAM Reset Process Analysis, *IEEE Transactions on Electron Devices*, 62, 3, 955-962
JIMENEZ MOLINOS, FRANCISCO
ROLDÁN ARANDA, ANDRÉS MARÍA
ROLDAN ARANDA, JUAN B.
- 2015 Artículo: Analytical Model for Crosstalk in p-Nwell Photodiodes, *IEEE Transactions on Electron Devices*, 62, 2, 580-586
ROLDAN ARANDA, JUAN B.
- 2015 Artículo: Strain effects on effective masses for MoS₂ monolayers, *Journal Of Physics. Conference Series (Print)*, 609, , 012008-
BIEL RUIZ, BLANCA
DONETTI , LUCA
GAMIZ PEREZ, FRANCISCO J



GODOY MEDINA, ANDRES

- 2015 Artículo: Two-dimensional carbon-based conductive materials with dynamically controlled asymmetric Dirac cones, Physical Chemistry Chemical Physics, 17, , 31902-31910

GOMEZ CAMPOS, FRANCISCO MANUEL

RODRIGUEZ BOLIVAR, SALVADOR

Contribuciones en congresos

- 2015 Comunicación en congreso: Compact modeling of the contact effects in organic thin film transistors, SPANISH CONFERENCE ON ELECTRON DEVICES (CDE) - 2015 , 11/02/- 2015 , ARANJUEZ (MADRID), Congreso

LOPEZ VILLANUEVA, JUAN ANTONIO

CARCELLER BELTRAN, JUAN ENRIQUE

JIMENEZ TEJADA, JUAN ANTONIO

- 2015 Comunicación en congreso: Optoelectronic Properties in InAs/GaAs Quantum Dots Arrays Systems, SPANISH CONFERENCE ON ELECTRON DEVICES (CDE) - 2015 , 11/02/- 2015 , ARANJUEZ (MADRID), Congreso

JIMENEZ TEJADA, JUAN ANTONIO

RODRIGUEZ BOLIVAR, SALVADOR

GOMEZ CAMPOS, FRANCISCO MANUEL

LOPEZ VILLANUEVA, JUAN ANTONIO

CARCELLER BELTRAN, JUAN ENRIQUE

- 2015 Comunicación en congreso: Determination of MOSFETs threshold voltage employing a WENO-based method to improve the numerical procedures, 4ème Conférence Internationale de la Société Marocaine de Mathématiques Appliquées, 12/02/- 2015 , Oujda, Marruecos, Congreso

ROLDÁN ARANDA, ANDRÉS MARÍA

ROLDAN ARANDA, JUAN B.

- 2015 Poster en Congreso: RADFET response to photon and electron beams, 10th Spanish Conference on Electronic Devices, 11/02/- 2015 , ARANJUEZ (MADRID), Congreso

MARTÍNEZ GARCÍA, MARÍA SOFÍA

BANQUERI OZAEZ, JESUS

CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL

PALMA LOPEZ, ALBERTO JOSE

- 2015 Comunicación en congreso: Comparative study of printed capacitive sensors, 10th Spanish Conference on Electron Devices, 11/02/- 2015 , , Congreso

LOPEZ VILLANUEVA, JUAN ANTONIO

PALMA LOPEZ, ALBERTO JOSE

RIVADENEYRA TORRES, ALMUDENA

FERNÁNDEZ SALMERÓN, JOSÉ

- 2015 Comunicación en congreso: Role of the Metal-Organic Interfaces in the Dark Current-Voltage Characteristics of Organic Solar Cells, 227th Electrochemical Society Meeting, 24/05/- 2015 , Chicago, Illinois, USA, Congreso

LÓPEZ VARO, PILAR

JIMENEZ TEJADA, JUAN ANTONIO

- 2015 Comunicación en congreso: Effect of doping in the current voltage characteristics of Organic diodes, 10th Spanish Conference on Electronic Devices, 11/02/- 2015 , ARANJUEZ (MADRID),

JIMENEZ TEJADA, JUAN ANTONIO

LÓPEZ VARO, PILAR

LOPEZ VILLANUEVA, JUAN ANTONIO

- 2015 Comunicación en congreso: Effect of the metal-organic interfaces in the modeling of organic solar cells, EURO TMCS I. Theory, Modelling and Computational methods for semiconductors, 28/01/- 2015 , Granada, España, Congreso

JIMENEZ TEJADA, JUAN ANTONIO

LÓPEZ VARO, PILAR

LOPEZ VILLANUEVA, JUAN ANTONIO

- 2015 Comunicación en congreso: Role of the Metal-Organic Interfaces in Current-Voltage Characteristics of Bulk Heterojunction Organic Solar Cells, - 2015 Hybrid and Organic Photovoltaics Conference, 10/05/- 2015 , Roma, Italia, Congreso

JIMENEZ TEJADA, JUAN ANTONIO

LÓPEZ VARO, PILAR

- 2015 Comunicación en congreso: Determination of ad hoc deposited charge on bare SOI wafers, EUROSOL-ULIS - 2015 : - 2015 Joint International EUROSOL Workshop and International Conference on Ultimate Integration on Silicon, 26/01/- 2015 , BOLOGNA, Congreso

FERNÁNDEZ SÁNCHEZ, CRISTINA

RODRÍGUEZ SANTIAGO, NOEL

GAMIZ PEREZ, FRANCISCO J



- MÁRQUEZ GONZÁLEZ, CARLOS
- 2015 Comunicación en congreso: Direct Characterization of Impact Ionization Current in Silicon-on-Insulator Body-Contacted MOSFETs, Electrochemical Society ECS 227th Meeting, 24/05/- 2015 , CHICAGO - ILINOIS (EEUU), Congreso
- MÁRQUEZ GONZÁLEZ, CARLOS
RODRÍGUEZ SANTIAGO, NOEL
GAMIZ PEREZ, FRANCISCO J
SAMPEDRO MATARÍN, CARLOS
- 2015 Comunicación en congreso: A DOSIMETRY SYSTEM FOR REAL TIME DOSE MEASUREMENTS USING A COMMERCIAL MOS TRANSISTOR, Third International Conference on Radiation and Applications in Various Fields of Research, 08/06/- 2015 , Budva, BELGRADO. SERBIA AND MONTENEGRO, Congreso
- CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
MARTÍNEZ MARTÍ, FERNANDO
PALMA LOPEZ, ALBERTO JOSE
MARTÍNEZ GARCÍA, MARÍA SOFÍA
- 2015 Poster en Congreso: Calculation of Radiation-induced oxide and interface charge in a general-purpose MOSFET, Third International Conference on Radiation and Applications in Various Fields of Research, 08/06/- 2015 , Budva, BELGRADO. SERBIA AND MONTENEGRO, Congreso
- MARTÍNEZ GARCÍA, MARÍA SOFÍA
PALMA LOPEZ, ALBERTO JOSE
BANQUERI OZAEZ, JESUS
CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
- 2015 Poster en Congreso: A Preliminary Study of the Relation Between Back-Pain and Plantar-Pressure Evolution during Pregnancy, IEEE Engineering in Medicine and Biology Society, 25/08/- 2015 , Milán, ITALIA, Congreso
- MARTÍNEZ GARCÍA, MARÍA SOFÍA
CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
MARTÍNEZ MARTÍ, FERNANDO
PALMA LOPEZ, ALBERTO JOSE
- 2015 Poster en Congreso: FAST ALGORITHM FOR AMPLITUDE AND LIFETIME DETERMINATION IN LUMINESCENCE EXPONENTIAL DECAYS, European Conference on Analytical Chemistry - 2015 , 06/09/- 2015 , Burdeos, Francia, Congreso
- MARTINEZ OLMOS, ANTONIO
LÓPEZ RUIZ, NURIA
CARVAJAL RODRÍGUEZ, MIGUEL ÁNGEL
PALMA LOPEZ, ALBERTO JOSE
- 2015 Comunicación en congreso: Threshold voltage and on-current Variability related to interface traps spatial distribution, Solid State Device Research Conference, 14/09/- 2015 , en Technische Universität Graz (TUGraz), Austria, Congreso
- MÁRQUEZ GONZÁLEZ, CARLOS
GAMIZ PEREZ, FRANCISCO J
- 2015 Conferencias impartidas: Sensores para nuestro bienestar, Ciclo de Conferencias, 04/12/- 2015 , , Congreso
- PALMA LOPEZ, ALBERTO JOSE
- 2015 Conferencia Congreso no publicada: Electrical Properties of Laser Reduced Graphene Oxide, Graphene Canada - 2015 , 14/10/- 2015 , Montreal, Canada, Congreso
- GAMIZ PEREZ, FRANCISCO J
MÁRQUEZ GONZÁLEZ, CARLOS
RODRÍGUEZ SANTIAGO, NOEL
- 2015 Comunicación en congreso: Project-Based Learning applied to the Electronic Engineering Studies, XXX Conference on Design of Circuits and Integrated Systems DCIS'- 2015 , 25/11/- 2015 , ESTORIL, Congreso
- GARCÍA RÍOS, ANTONIO
- 2015 Comunicación en congreso: A computational study of van der Waals tunnel transistors: fundamental aspects and design challenges, - 2015 International Electron Devices Meeting, 07/12/- 2015 , WASHINGTON, ESTADOS UNIDOS, Congreso
- BIEL RUIZ, BLANCA
- 2015 Ponencia en Congreso: Ab initio study of monolayer MoS₂ as a chemical vapor sensor, theory, Modelling and Computational Methods for Semiconductors, 28/01/- 2015 , Granada, Congreso
- BIEL RUIZ, BLANCA
DONETTI, LUCA
GODOY MEDINA, ANDRES
GAMIZ PEREZ, FRANCISCO J
- 2015 Ponencia en Congreso: Sensing capabilities of a single-layer MoS₂ substrate for molecule



- detection, Imagine Nano 2105, 10/03/- 2015 , , Congreso
BIEL RUIZ, BLANCA
GAMIZ PEREZ, FRANCISCO J
DONETTI , LUCA
GODOY MEDINA, ANDRES
- 2015 Comunicación en congreso: Scribing graphene circuits, Future Trends in Microelectronics,
21/06/- 2015 , Mallorca España, Congreso
RODRÍGUEZ SANTIAGO, NOEL
MÁRQUEZ GONZÁLEZ, CARLOS
GAMIZ PEREZ, FRANCISCO J
- 2015 Comunicación en congreso: Electrical Properties of Laser Reduced Graphene Oxide, Graphene
Canada - 2015 , 14/10/- 2015 , Montreal, Canada, Congreso
GAMIZ PEREZ, FRANCISCO J
MÁRQUEZ GONZÁLEZ, CARLOS
RODRÍGUEZ SANTIAGO, NOEL
- European Materials Research Society (EMRS) 2016:
Título: Exploration of 2D materials capabilities for ARAM memories.
Autores: Ernesto Ruiz Ortiz, Blanca Biel, Francisco Gámiz.
- I Jornadas de Investigadores en Formación Fomentando la Interdisciplinariedad:
Título: Desarrollo de celdas de memoria A2-RAM mediante heteroestructuras de van der Waals
Autores: Ernesto Ruiz Ortiz, Blanca Biel, Francisco Gámiz.
- I Jornadas de Investigadores en Formación Fomentando la Interdisciplinariedad:
Título: A model for circuit simulation of bipolar RRAMs based on conductive filaments with truncated cone shapes
Autores: G. González-Cordero, J.B. Roldan, F. Jiménez-Molinos