

5.8.1. PUBLICACIONES ARBITRADAS

N°	Título	Año	Autores	Revista	DOI
1	A comprehensive photometric study of circumnuclear star-forming rings – I. The sample	2015	Mar Alvarez- Álvarez, Angeles I. Díaz, Elena Terlevich and Roberto Terlevich	Monthly Notices of the Royal Astronomical Society-MNRAS	10.1093/mnras/stv1123
2	A two-mode planetary nebula luminosity function	2015	Rodríguez-González, A., Hernández-Martínez, L., Esquivel, A., Raga, A. C., Stasinska, G., Peña, M., Mayya, Y. D.	Astronomy & Astrophysics	10.1051/0004-6361/201423713
3	ALMA observations of Centauri. First detection of main-sequence stars at 3 mm wavelength	2015	R. Liseau, W. Vlemmings, A. Bayo, E. Bertone, J.H. Black, C. del Burgo, M. Chavez , W. Danchi, V. De la Luz, C. Eiroa, S. Ertel, M.C.W. Fridlund, K. Justtanont, A. Krivov, J.P. Marshall, A. Mora, B.	Astronomy & Astrophysics	10.1051/0004-6361/201425189
4	Asteroseismology of the ZZ Ceti star KUV 08368+4026	2015	Li, C., Fu, J.-N., Vauclair, G., Dolez, N., Fox-Machado, L., Michel, R., Chávez, M., Bertone, E.	Monthly Notices of the Royal Astronomical Society-MNRAS	10.1093/mnras/stv481
5	CALIFA, the Calar Alto Legacy Integral Field Area survey III. Second public data release	2015	García-Benito R., Zibetti S., Sanchez S.F., Husemann B., De Amorim A.L., Castillo-Morales A., Cid Fernandes R., Ellis S.C., Falcon-Barroso J., Galbany L., Gil De Paz A., Gonzalez Delgado R.M.,	Astronomy & Astrophysics	10.1051/0004-6361/201425080
6	Census of H II regions in NGC 6754 derived with MUSE: Constraints on the metal mixing scale	2015	Sánchez, S. F. y Galbany, L. y Pérez, E. y Sánchez Blázquez, P. y Falcón Barroso, J. y Rosales Ortega, Fernando Fabián y Sánchez Menguiano, L. y Marino, Raffaella Anna y Kuncarayakti, H. y	Astronomy & Astrophysics	10.1051/0004-6361/201424950
7	Central star formation and metallicity in CALIFA interacting galaxies	2015	J.K. Barrera-Ballesteros, S. F. Sánchez, B. García-Lorenzo, J. Falcón-Barroso, D. Mast, R. García-Benito, B. Husemann, G. van de Ven, J. Iglesias-Páramo, Fernando Fabián Rosales-Ortega , M.A.	Astronomy & Astrophysics	10.1051/0004-6361/201425397
8	Determination of resonance locations in barred spiral galaxies using multiband photometry	2015	Amber D. Sierra, Marc S. Seigar, Patrick Treuthardt and Ivanio Puerari	Monthly Notices of the Royal Astronomical Society-MNRAS	10.1093/mnras/stv678
9	Echelle spectroscopy and photoionization modelling of the entire planetary nebula NGC 6210	2015	J. Bohigas, V. Escalante, Mónica Rodríguez Guillén and R. J. Dufour	Monthly Notices of the Royal Astronomical Society-MNRAS	10.1093/mnras/stu2389
10	Imprints of galaxy evolution on H II regions: Memory of the past uncovered by the CALIFA survey	2015	Sánchez, S. F. y Pérez, E. y Rosales Ortega, Fernando Fabián y Miralles Caballero, D. y López Sánchez, A. R. y Iglesias Páramo, J. y Marino, Raffaella Anna y Sánchez Menguiano, L. y García	Astronomy & Astrophysics	10.1051/0004-6361/201424873
11	Massive Young Stellar Object W42-MME: the Discovery of an Infrared Jet Using VLT/NACO Near-infrared Images	2015	Dewangan, L. K., Mayya, Y. D., Luna, A.	The Astrophysical Journal	10.1088/0004-637X/803/2/100
12	Milagro limits and HAWC sensitivity for the rate-density of evaporating Primordial Black Holes	2015	Abdo, A. A., Abeysekara, A. U., Alfaro, R., Allen, B. T., Alvarez, C., Álvarez, J. D., Arceo, R., Arteaga-Velázquez, J. C., Aune, T., Ayala Solares, H. A., y 109 coautores más (incluyendo Bonilla Rosales,	Astroparticle Physics	10.1016/j.astropartphys.2014.10.007
13	Nature or nurture? Clues from the distribution of specific star formation rates in SDSS galaxies	2015	Casado, J., Ascasibar, Y., Gavilán, M., Terlevich, R., Terlevich, E. , Hoyos, C., Díaz, A. I.	Monthly Notices of the Royal Astronomical Society-MNRAS	10.1093/mnras/stv1407
14	On the origin of the absorption and emission line components in the spectra of PHL 293B	2015	Guillermo Tenorio-Tagle, Sergiy Silich , Sergio Martínez-González, Roberto Terlevich and Elena Terlevich	The Astrophysical Journal	10.1088/0004-637X/800/2/131
15	Oxygen enrichment in carbon-rich planetary nebulae	2015	Gloria Delgado-Inglada, Mónica Rodríguez Guillén , Manuel Peimbert, Grazyna Stasinska, and Christophe Morisset	Monthly Notices of the Royal Astronomical Society-MNRAS	10.1093/mnras/stv388
16	Refining the associations of the fermi large area telescope source catalogs	2015	F. Massaro, R. D’Abrusco, M. Landoni, A. Paggi, N. Masetti, M. Giroletti, H. Otí-Floranes, V. Chavushyan , E. Jiménez-Bailón, V. Patiño-Álvarez, S. W. Digel, Howard A. Smith, and G. Tosti	The Astrophysical Journal Supplement Series	10.1088/0067-0049/217/1/2
17	Search for Gamma-Rays from the Unusually Bright GRB 130427A with the HAWCGamma-Ray Observatory	2015	Abeysekara, A. U., Alfaro, R., Alvarez, C., Álvarez, J. D., Arceo, R., Arteaga-Velázquez, J. C., Ayala Solares, H. A., Barber, A. S., Baughman, B. M., Bautista-Elivar, N., y 83 coautores más	The Astrophysical Journal	10.1088/0004-637X/800/2/78
18	Statistical multifrequency study of narrow-line Seyfert 1 galaxies	2015	Järvelä, E., Lähteenmäki, A., León-Tavares, J.	Astronomy & Astrophysics	10.1051/0004-6361/201424694
19	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies	2015	4. Aleksik, J., Ansoldi, S., Antonelli, L. A., Antoranz, P., Babic, A., Bangale, P., Barres de Almeida, U., Barrio, J. A., Becerra González, J., Bednarek, W., y 145 coautores más (incluyendo	Astronomy & Astrophysics	10.1051/0004-6361/201424216
20	The Use of Planar Feeds for Solar Radio Observations	2015	Mendoza-Torres, J. E. , Colin-Beltrán, E., Corona-Chávez, A. , Palacios-Fonseca, J. S., Rodríguez-Pedroza, B., Tlatelapa-Osorio, Y. E., García-Santos, J. C., Sánchez-Urrieta	Solar Physics	10.1007/s11207-014-0561-3
21	Understanding chemical evolution in resolved galaxies – I. The local star fraction–metallicity relation	2015	Y. Ascasibar, M. Gavilán, N. Pinto, J. Casado, Rosales Ortega, Fernando Fabián and A. I. Díaz	Monthly Notices of the Royal Astronomical Society-MNRAS	10.1093/mnras/stv098
22	VAMOS: A pathfinder for the HAWC gamma-ray observatory	2015	Abeysekara, A. U., Alfaro, R., Alvarez, C., Álvarez, J. D., Ángeles, F., Arceo, R., Arteaga-Velázquez, J. C., Avila-Aroche, A., Ayala Solares, H. A., Badillo, C., y 126 coautores más (incluyendo Bonilla	Astroparticle Physics	10.1016/j.astropartphys.2014.08.004

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23	Witnessing the transformation of a quasar host galaxy at $z = 1.6$	2015	A. Humphrey, N. Roche, J. M. Gomes, P. Papaderos, M. Villar-Martín, M. E. Filho, B. H. C. Emonts, Itziar Aretxaga , L. Binette, B. Ocaña Flaquer, P. Lagos and J. Torrealba	Monthly Notices of the Royal Astronomical Society-MNRAS	10.1093/mnras/stu2510
24	Actively Q-switched dual-wavelength laser with double-cladding Er/Yb-doped fiber using a Hi-Bi Sagnac interferometer	2015	M Durán-Sánchez, R I Álvarez Tamayo, O Pottiez, Baldemar Ibarra-Escamilla , J C Hernández-García, G Beltran-Perez and E A Kuzin	Laser Physics Letters	10.1088/1612-2011/12/2/025102
25	An optical analog of quantum optomechanics	2015	B M Rodríguez-Lara and H M Moya-Cessa	Physica Scripta	10.1088/0031-8949/90/7/074004
26	Analysis of the effects of macrobend losses in broadband spectrum filtering	2015	J C Hernandez-García, N Jauregui-Vazquez, J M Estudillo-Ayala, Baldemar Ibarra-Escamilla , E Vargas-Rodríguez, R I Mata-Chavez, A D Guzman-Chavez and R Rojas-Laguna	Laser Physics Letters	10.1088/1612-2011/12/4/045103
27	Aspheric lens to increase the depth of focus	2015	Alexis Vázquez-Villa, José A Delgado-Atencio, Sergio Vázquez-Montiel, Jorge Castro-Ramos , Margarita Cunill-Rodríguez.	Optics Letters	10.1364/OL.40.002842
28	Compact wavelength-tunable actively Q-switched fiber laser in CW and pulsed operation based on a fiber Bragg grating	2015	A González-García, Baldemar Ibarra-Escamilla , O Pottiez, E A Kuzin F M Maya-Ordoñez and M Durán-Sánchez	Laser Physics	10.1088/1054-660X/25/4/045104
29	Creation of a 50,000λ long needle-like field with 0.36λ width: comment	2015	Sabino Chávez-Cerda , and Jixiong Pu	Journal of the Optical Society of America A	10.1364/JOSAA.31.001326
30	Dynamics of a two-level atom in a double perpendicular cavity	2015	Julio C. García-Melgarejo, Néstor Lozano-Crisóstomo, Ponciano Rodríguez-Montero , J. Javier Sánchez-Mondragón	Photonics Letters of Poland	10.4302/plp.2015.2.02
31	Elegant Cartesian Laguerre–Hermite–Gaussian laser cavity modes	2015	Sun Cunzhi, Jixiong Pu, and Sabino Chávez-Cerda	Optics Letters	10.1364/OL.40.001105
32	Experimental study of the polarization asymmetrical NOLM with adjustable switch power	2015	I. Armas-Rivera, Y.E.Bracamontes-Rodríguez, G.Beltrán-Pérez, J.Castillo-Mixcóatl, S. Muñoz-Aguirre, O.Pottiez, R.I.Álvarez-Tamayo, Baldemar Ibarra-Escamilla , Evgeny A Kuzin	Optics Communications	10.1016/j.optcom.2015.04.002
33	Generation and characterization of erbium-Raman noise-like pulses from a figure-eight fibre laser	2015	H Santiago-Hernandez, O Pottiez, R Paez-Aguirre, H E Ibarra-Villalon, A Tenorio-Torres, M Durán-Sánchez , Baldemar Ibarra-Escamilla , Evgeny A Kuzin and J C Hernandez-García	Laser Physics	10.1088/1054-660X/25/4/045106
34	Generation of squeezed Schrödinger cats in a tunable cavity filled with a Kerr medium	2015	R de J León-Montiel and Héctor M. Moya-Cessa	Journal of Optics	10.1088/2040-8978/17/6/065202
35	Ground state in the finite Dicke model for Interacting qubits	2015	R. A. Robles Robles, S. A. Chilingaryan, Blas Manuel Rodríguez-Lara , and Ray-Kuang Lee	Physical Review A	10.1103/PhysRevA.91.033819
36	Holograms in Albumins and Optical Properties Recorded in Real Time	2015	Arturo Olivares-Pérez , Manuel Jorge Ordóñez-Padilla, Santa Toxqui-López	Optics and Photonics Journal	10.4236/opj.2015.55017
37	Intensity-based method for selection of valid interferometric data in temporal phase shifting interferometry	2015	Jaime Sánchez-Paredes, Gilberto Silva-Ortigoza, Jorge Castro-Ramos	Optical Engineering	10.1117/1.OE.54.2.024106
38	Liquid crystal microlens arrays recorded by polarization holography	2015	Ulises Ruiz , Pasquale Pagliusi, Clementina Provenzano, Eugenia Lepera, And Gabriella Cipparrone	Applied Optics	10.1364/AO.54.003303
39	Markovian optical modes	2015	G. Martinez Niconoff , M. A. Torres Rodriguez, G. Diaz Gonzalez, P. Martinez Vara, R. Suarez Xique, A. Carbajal Dominguez	Optics Letters	10.1364/OL.40.000863
40	Operator approach to quantum optomechanics	2015	C Ventura-Velázquez, Blas Manuel Rodríguez-Lara and Héctor M. Moya-Cessa	Physica Scripta	10.1088/0031-8949/90/6/068010
41	Operator Methods Applied to Special Functions	2015	Francisco Soto-Eguibar and Héctor M. Moya-Cessa	Applied Mathematics & Information Sciences	10.12785/amis/090322
42	Optimum generation of annular vortices using phase diffractive optical elements	2015	Victor Arrizón , Ulises Ruiz , David Sánchez-de-la-Llave , Gabriel Mellado-Villaseñor, and Andrey S. Ostrovsky	Optics Letters	10.1364/OL.40.001173
43	Polarization of vector solitons generated in break-up process in twisted fiber	2015	Y.E.Bracamontes-Rodríguez, I.ArmasRivera, G.Beltrán-Pérez, O.Pottiez, Baldemar Ibarra-Escamilla , M.Durán-Sánchez, Evgeny A Kuzin	Optics Communications	10.1016/j.optcom.2015.03.030
44	Quantum optics as a tool for photonic lattice design	2015	Blas Manuel Rodríguez-Lara , Francisco Soto-Eguibar and Demetrios N hristodoulides	Physica Scripta	10.1088/0031-8949/90/6/068014

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45	Revival and splitting of a Gaussian beam in gradient index media	2015	V. Arrizon, F. Soto-Eguibar, A. Zuñiga-Segundo, and H. M. Moya-Cessa	Journal of the Optical Society of America A	10.1364/JOSAA.32.001140
46	Self-calibrating common-path interferometry	2015	R Porras-Aguilar, K Falaggis, JC Ramirez-San-Juan, R Ramos-Garcia	Optics Express	10.1364/OE.23.003327
47	Self-Q-switched Er–Yb double clad fiber laser with dual wavelength or tunable single wavelength operation by a Sagnac interferometer	2015	R I Álvarez-Tamayo, M Durán-Sánchez, O Pottiez, Baldemar Ibarra-Escamilla, M Bello-Jiménez and Evgeny A Kuzin	Laser Physics	10.1088/1054-660X/25/7/075102
48	Several Ways to Solve the Jaynes-Cummings Model	2015	R. Juárez-Amaro, A. Zúñiga-Segundo and H. M. Moya-Cessa	Applied Mathematics & Information Sciences	10.12785/amis/090136
49	Six mode selective fiber optic spatial multiplexer	2015	A. M. Velazquez-Benitez, J. C. Alvarado, G. Lopez-Galmiche, J. E. Antonio-Lopez, J. Hernández-Cordero, J. Sanchez-Mondragon, P. Sillard, C. M. Okonkwo, and R. Amezcua-Correa	Optics Letters	10.1364/OL.40.001663
50	Solution of the Schrödinger Equation for a Linear Potential using the Extended Baker-Campbell-Hausdorff Formula	2015	Francisco Soto-Eguibar and Héctor M. Moya-Cessa	Applied Mathematics & Information Sciences	10.12785/amis/090123
51	The refraction and reflection laws from a complete integral of the eikonal equation and Huygens' principle	2015	Jorge Castro-Ramos, Salvador Alejandro Juárez-Reyes, Mariana Marcelino-Aranda, Paula Ortega-Vidals, Gilberto Silva-Ortigoza, Ramón Silva-Ortigoza, Román Suárez-Xique	Journal of Optics	10.1088/2040-8978/17/1/015601
52	Ultracold two-level atom in a quadratic potential	2015	Francisco Soto-Eguibar, A. Zúñiga-Segundo, Blas Manuel Rodríguez-Lara, Héctor M. Moya-Cessa	Optics Communications	10.1016/j.optcom.2015.03.048
53	A digitally programmable active resistor in CMOS technology	2015	Edgar López-Delgadillo, José A. Díaz-Méndez, Marco A. Gurrola-Navarro, Miguel A. García-Andrade, Rubén Vázquez-Medina	IEICE Electronics Express	10.1587/elex.12.20150247
54	A Family of Memristive-Transfer Functions of Negative-Feedback Nullor-Based Amplifiers	2015	Carlos Hernández-Mejía, Arturo Sarmiento-Reyes, Héctor Vázquez-Leal	Circuits, Systems, and Signal Processing	10.1007/s00034-015-0013-9
55	A human action recognition approach with a novel reduced feature set based on the natural domain knowledge of the human figure	2015	Gloria Castro-Muñoz, Jorge Martínez-Carballido, Roberto Rosas-Romero	Signal Processing: Image Communication	10.1016/j.image.2014.10.002
56	A novel via-free microstrip balanced-to-balanced diplexer for narrow-band applications	2015	Arcesio Arbelaez-Nieto, Jose-Luis Olvera-Cervantes, Johanny-Alberto Escobar-Pelaez, and Alonso Corona-Chavez	Microwave and Optical Technology Letters	10.1002/mop.28902
57	Analysis and experimental evaluation of the frequency response of an indoor radiating cable in the UHF band	2015	Jorge A. Seseña-Osorio, Ignacio E. Zaldívar-Huerta, Alejandro Aragón-Zavala, Gerardo A Castanón-Avila	EURASIP Journal on Wireless Communications and Networking	10.1186/s13638-015-0245-1
58	Analysis of the luminescent centers in silicon rich silicon nitride light-emitting capacitors	2015	S A Cabañas-Tay, L Palacios-Huerta, J A Luna-López, M Aceves-Mijares, S Alcántara-Iniesta, S A Pérez-García and A Morales-Sánchez	Semiconductor Science and Technology	10.1088/0268-1242/30/6/065009
59	Analytical Solutions for Systems of Singular Partial Differential-Algebraic Equations	2015	U. Filobello-Nino, H. Vazquez-Leal, B. Benhammouda, A. Perez-Sesma, V. M. Jimenez-Fernandez, J. Cervantes-Perez, A. Sarmiento-Reyes, J. Huerta-Chua, L. J. Morales-Mendoza, M.	Discrete Dynamics in Nature and Society	10.1155/2015/752523
60	Balanced filter with parallel resonances for very wide band common mode rejection	2015	A. Corona-Chavez, Jose Luis Olvera-Cervantes and Carlos Saavedra	Journal of Electromagnetic Waves and Applications	10.1080/09205071.2015.1033064
61	Boron-doped hydrogenated amorphous semiconductor MEMS	2015	Margarita Galindo, Carlos Zúñiga Islas, Rodolfo Palomino-Merino, Francisco López, Wilfrido Calleja, Javier de la Hidalga, Víctor M. Castaño	Materials and Technology	http://www.researchgate.net/publication/276207132_Boron-doped_hydrogenated_amorphous_semiconductor_MEMS
62	Comparison of tin-doped indium oxide films fabricated by spray pyrolysis and magnetron sputtering	2015	Oleksandr Malik and Francisco Javier De la Hidalga-Wade	Crystal Research and Technology	10.1002/crat.201400464
63	Design of two-stage nonrecursive rotated comb decimation filters with droop compensation and multiplierless architecture	2015	G. Jovanovic Dolecek, M. Laddomada	Journal of the Franklin Institute	10.1016/j.jfranklin.2014.11.016
64	Effect of the annealing atmosphere and temperature on the photoluminescence of Si nanocrystal films covered with spin-on glass	2015	Cortazar, Orlando; Vasquez-A, M. A.; Aceves-Mijares, M.	Journal of Nanoelectronics and Optoelectronics	10.1166/jno.2015.1712
65	Effectiveness of Low-Voltage Testing to Detect Interconnect Open Defects Under Process Variations	2015	Jesus Moreno, Michel Renovell, and Victor Champac	IEEE TRANSACTIONS ON VERY LARGE SCALE INTEGRATION (VLSI) SYSTEMS	10.1109/TVLSI.2015.2397934
66	Empirical Mode Decomposition Analysis for Broken Bar Detection on Squirrel Cage Induction Motors	2015	Ricardo Valles-Novo(M), Jose Rangel-Magdaleno, Juan Manuel Ramirez-Cortes, Hayde Peregrina-Barreto, Roberto Morales-Caporal	IEEE Transactions on Instrumentation and Measurement	10.1109/TIM.2014.2373513

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N°	Título	Año	Autores	Revista	DOI
67	Experimental and simulation results of magnetic modulation of gate oxide tunneling current in nanoscaled MOS transistors	2015	Gabriela A. Rodríguez-Ruiz, Edmundo A. Gutiérrez-Domínguez, Arturo Sarmiento-Reyes, Zlatan Stanojevic, Hans Kosina, Fernando J. Guarín, and Pedro J. García-Ramírez	IEEE ELECTRON DEVICE LETTERS	10.1109/LED.2015.2404138
68	Fabrication process of a microstructures based on hydrogenated amorphous SiGe films for applications in MEMS devices	2015	M. Galindo Mentle, F. López Huerta, R. Palomino Merino, C. Zúñiga Islas, W. Calleja Arriaga and A. L. Herrera May	Journal of Mechanical Science and Technology	10.1007/s12206-015-0339-z
69	Fluorine-doped tin oxide films with a high figure of merit fabricated by spray pyrolysis	2015	Oleksandr Malik, Francisco Javier De la Hidalga-Wade and Raquel Ramírez Amador	Journal of Materials Research	10.1557/jmr.2015.138
70	FPGA realization of multi-scroll chaotic oscillators	2015	E. Tielo-Cuautle , J.J. Rangel-Magdaleno, A.D. Pano-Azucena, P.J. Obeso-Rodelo, J.C. Nunez-Perez	Communications in Nonlinear Science and Numerical Simulation	10.1016/j.cnsns.2015.03.003
71	GHM method for obtaining rational solutions of nonlinear differential equations	2015	Hector Vazquez-Leal and Arturo Sarmiento-Reyes	SpringerOpen Journal	10.1186/s40064-015-1011-x
72	Impact of active layer thickness in thin-film transistors based on Zinc Oxide by ultrasonic spray pyrolysis	2015	Miguel A. Domínguez, Francisco Flores, Adan Luna, Javier Martínez, Jose A. Luna-Lopez, Salvador Alcantara, Pedro Rosales, Claudia Reyes , Abdu Orduña	Solid-State Electronics	10.1016/j.sse.2015.03.012
73	Indium gallium arsenide antimonide photodetector grown by liquid phase epitaxy: Electrical characterization and optical response	2015	D.M. Hurtado-Castañeda , J.L. Herrera-Pérez, J.S. Arias-Cerón, C. Reyes-Betanzo , P. Rodríguez-Fragoso, J.G. Mendoza-Álvarez	Materials Science in Semiconductor Processing	10.1016/j.mssp.2014.11.023
74	Low VDD and Body Bias Conditions for Testing Bridge Defects in Presence of Process	2015	Hector Villacortaa, Jose Garcia-Gervacio, Jaume Segura, Victor Champac	Microelectronics Journal	10.1016/j.mejo.2015.02.006
75	MATLAB and FPGA-based interactive tool for exploring concepts on Compressed Sensing	2015	Daniel Rico-Aniles(M) , Juan Manuel Ramírez-Cortes, Jose Rangel-Magdaleno, Pilar Gomez-Gil, Hayde Peregrina-Barreto, Vicente Alarcon-Aquino	Computer Applications in Engineering Education	10.1002/cae.21664
76	Memristor: A New Concept in Synchronization of Coupled Neuromorphic Circuits	2015	Ch. K. Volos, I. M. Kyrianiadis, I. N. Stouboulos, E. Tielo-Cuautle and S. Vaidyanathan	Journal of Engineering Science and Technology Review	http://www.jestr.org/downloads/Volume8Issue2/fulltext82212015.pdf
77	Microbolometers Based on Amorphous Silicon-Germanium Films With Embedded Nanocrystals	2015	Mario Moreno Moreno , Member, Ricardo Jiménez, Alfonso Torres Jácome , and Roberto Ambrosio	IEEE TRANSACTIONS ON ELECTRON DEVICES	10.1109/TED.2015.2434275
78	Minimum phase property of chebyshev-sharpened cosine filters	2015	Miriam Guadalupe Cruz Jiménez , David Ernesto Troncoso Romero and Gordana Jovanovic Dolecek	Mathematical Problems in Engineering	10.1155/2015/936958
79	Modeling Coupled Transmission Lines Considering Current-Distribution Dependent Inductance on PCB	2015	Tlaxcalteco-Matus, M.A., Cortes-Hernandez, D.M. ; Torres-Torres, Reydezel	IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS	10.1109/LMWC.2015.2390535
80	Modeling memory effects in RF power amplifiers applied to a digital pre-distortion algorithm and emulated on a DSP-FPGA board	2015	José Ricardo Cárdenas-Valdez, José Cruz Núñez-Pérez, José Alejandro Galaviz-Aguilar, Andrés Calvillo-Téllez, Christian Gontrand, J. Apolinar Reynoso-Hernández, Esteban Tielo-Cuautle	Integration, the VLSI Journal	10.1016/j.vlsi.2014.12.005
81	Modified Taylor solution of equation of oxygen diffusion in a spherical cell with Michaelis-Menten uptake kinetics	2015	Hector Vazquez-Leal, Mario Sandoval-Hernandez, Roberto Castaneda-Sheissa, Uriel Filobello-Nino, Arturo Sarmiento-Reyes	International Journal of Applied Mathematical Research	10.14419/ijamr.v4i2.4273
82	Nanocrystalline Si/SiO ₂ core-shell network with intense white light emission fabricated by hot-wire chemical vapor deposition	2015	Y. Matsumoto, A. Dutt, G. Santana-Rodríguez, J. Santoyo-Salazar and M. Aceves-Mijares	Applied Physics Letters	10.1063/1.4919527
83	Nonlinearities Distribution Homotopy Perturbation Method Applied to Solve Nonlinear Problems: Thomas-Fermi Equation as a Case Study	2015	U. Filobello-Nino, H. Vazquez-Leal, K. Boubaker, A. Sarmiento-Reyes , A. Perez-Sesma, A. Diaz-Sanchez, V. M. Jimenez-Fernandez, J. Cervantes-Perez, J. Sanchez-Orea, J. Huerta-Chua, L. J.	Journal of Applied Mathematics	10.1155/2015/405108
84	Optoelectronics properties of tin-doped indium oxide films fabricated by DC magnetron sputtering in pure argon with post-annealing in oxygen atmosphere	2015	Oleksandr Malika and Francisco Javier De la Hidalga-Wade	Journal of Materials Research	10.1557/jmr.2015.159
85	Perturbation method applied to a basic diode circuit	2015	H. Vazquez-Leal, Y. Khan, G. Fernandez-Anaya, U. Filobello-Nina, V.M. Jimenez-Fernandez, A. Herrera-May, A. Diaz-Sanchez , A. Marin-Hernandez and J. Huerta-Chua	Revista Mexicana de Física	http://www.researchgate.net/publication/272820570_Perturbati_on_method_applied_to_a_basic_diode_circuit
86	Power Series Extender Method for the Solution of Nonlinear Differential Equations	2015	Hector Vazquez-Leal and Arturo Sarmiento-Reyes	Mathematical Problems in Engineering	10.1155/2015/717404
87	Proposal and performance evaluation of a Fiber-To-The-Antenna system for video distribution operating in the S-band	2015	Ignacio E. Zaldivar-Huerta , A. García-Juárez, D. F. Pérez-Montaña, Pablo Hernández-Nava , A. Vera-Marquina	Optics & Laser Technology	10.1016/j.optlastec.2015.03.005
88	Screening small-delay defects using inter-path correlation to reduce reliability risk	2015	José L. García-Gervacioa, Alejandro Nocua, Victor Champac	Microelectronics Reliability	10.1016/j.microrel.2015.03.007

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89	Sharpening technique to decrease comb passband deviation	2015	Gordana Jovanovic Dolecek	Journal of Physics: Conference Series	10.1088/1742-6596/574/1/012130
90	Simple two-adders CIC compensator	2015	David Ernesto Troncoso Romero, Gerardo Molina Salgado and Gordana Jovanovic Dolecek	ELECTRONICS LETTERS	10.1049/el.2015.0742
91	Spherical continuation algorithm with spheres of variable radius to trace homotopy curves	2015	Delia Torres-Muñoz , Luis Hernandez-Martinez , Héctor Vázquez-Leal	International Journal of Applied and Computational Mathematics	10.1007/s40819-015-0067-1
92	The use of planar feeds for solar radio observations	2015	J. E. Mendoza-Torres , E. Colín-Beltrán, A. Corona-Chávez , J. S. Palacios-Fonseca, B. Rodríguez-Pedroza, Y. E. Tlatelpa-Osorio, J. C. García-Santos, S. Sánchez-Urrieta	Solar Physics	10.1007/s11207-014-0561-3
93	Thermo-Magnetic effects in nano-scaled MOSFET: An experimental, modeling and simulation approach	2015	Rodriguez-Ruiz, Gabriela A. , Gutierrez-Dominguez, E.A. ; Sarmiento-Reyes, L.A. ; Stanojevic, Z. ; Kosina, H. ; Guarín, F.J. ; García-R, P.J.	IEEE Journal of the Electron Devices Society	10.1109/JEDS.2015.2390629
94	Thin-film transistors based on zinc oxide films by ultrasonic spray pyrolysis	2015	M.A. Domínguez-Jimenez, F. Flores-Gracia, A. Luna-Flores, J. Martínez-Juarez, J.A. Luna-Lopez, S. Alcantara-Iniesta, P. Rosales-Quintero and C. Reyes-Betanzo	Revista Mexicana de Física	http://www.scielo.org.mx/scielo.php?pid=S0035-001X2015000200007&script=sci_arttext
95	Understanding the arithmetic of color	2015	J. Medina Márquez, S.E. Balderas-Mata, and C. Zúñiga Islas	Revista Mexicana de Física	http://www.scielo.org.mx/scielo.php?script=sci_arttext&pid=S1870-35422015000100006&lng=es&nrm=iso
96	VHDL implementation for a pseudo random number generator based on tent map	2015	Ricardo F. Martinez-Gonzalez, J. Alejandro Diaz-Mendez , Ruben Vazquez-Medina	Computational and Applied Mathematics	http://www.researchgate.net/publication/271446849_VHDL_implementation_for_a_pseudo_random_number_generator_based_on_tent_map
97	Adaptive fuzzy fitness granulation for evolutionary optimization	2015	IsraelCruz-Vega, Hugo Jair Escalante Balderas	International Journal of Approximate Reasoning	10.1016/j.ijar.2008.05.004
98	Classifying Infant Cry Patterns by the Genetic Selection of aFuzzy Model	2015	Model Alejandro Rosales-Pérez, Carlos A. Reyes-García , Jesus A. Gonzalez , Orion F. Reyes-Galavizb, Hugo Jair Escalantea , Silvia Orlandic	Biomedical Signal Processing and Control	https://www.mysciencework.com/publication/show/8500525/classifying-infant-cry-patterns-by-the-genetic-selection-of-afuzzy-model
99	An Analysis of Computational Models for Accelerating the Subtractive Pixel Adjacency Model Computation	2015	Marisol Rodríguez-Perez , Alicia Morales-Reyes , Rene Cumplido , Claudia Feregrino-Urbe	Computer and Electrical Engineering	10.1016/j.compeleceng.2015.01.004
100	Identification of proteins associated with amyloidosis by polarity index method	2015	Carlos Polanco, José Lino Samaniego, Vladimir N. Uversky, Jorge Alberto Castañón-González, Thomas Buhse, Marilí Leopold-Sordo, Alejandro Madero-Arteaga, Alicia Morales-Reyes , Lourdes	Acta Biochimica Polonica	10.18388/abp.2014_755
101	Out of context serious games: Transversal reutilization of games across healthcare domains	2015	Alberto L. Morán, Felipe Orihuela-Espina , Victoria Meza-Kubo, Ana I. Grimaldo, Cristina Ramírez-Fernández, Eloísa García-Canseco, Juan M. Oropeza-Salas, Luis E. Sucar	International Journal of Computer Systems Science & Engineering	http://www.researchgate.net/publication/274699731_Out_of_context_serious_games_Transversal_reutilization_of_games_across_healthcare_domains
102	Empirical Mode Decomposition Analysis for Broken-Bar Detection on Squirrel Cage Induction Motors	2015	Valles-Novo, R., de Jesus Rangel-Magdaleno, J. , Ramirez-Cortes, J. M. , Peregrina-Barreto, H. , & Morales-Caporal, R	IEEE Transactions on Instrumentation and Measurement	10.1109/TIM.2014.2373513
103	The minimal dependency relation for causal event ordering in distributed computing	2015	S. E. Pomares Hernandez	Applied Mathematics & Information Sciences	10.12785/amis/090108
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105	Term-weighting learning via genetic programming for text classification	2015	Hugo Jair Escalante Bladeras , Mauricio A. García-Limón, Alicia Morales-Reyes , Mario Graff, Manuel Montes-y-Gómez , Eduardo F. Morales , José Martínez-Carranza	Knowledge-Based Systems	10.1016/j.knosys.2015.03.025
106	Morphological Filtering Algorithm for Restoring Images Contaminated by Impulse Noise	2015	Jorge Domingo Mendiola-Santibañez, Miguel Octavio Arias-Estrada , Israel Marcos Santillán M., Juvenal Rodríguez Resendiz, Martín Gallegos-Duarte, Domingo José Gómez Meléndez, Iván	Computación y Sistemas	10.13053/CyS-19-2-1913
107	A model for improving training of software developers in small companies	2015	Enriquez, Carlos; Gomez Gil, Pilar	Latin America Transactions, IEEE (Revista IEEE America Latina)	10.1109/TLA.2015.7112002
108	Lexical analysis of student research drafts in computing	2015	Samuel González López , Aurelio López-López	Computer Applications in Engineering Education	10.1002/cae.21638
109	Finding the best diversity generation procedures for mining contrast patterns	2015	Milton García-Borroto, José Fco. Martínez-Trinidad , Jesús Ariel Carrasco-Ochoa	Expert Systems With Applications	10.1016/j.eswa.2015.02.028
110	On the relation between rough set reducts and typical testors	2015	Manuel S. Lazo-Cortes, Jose Fco. Martinez-Trinidad , Jesus A. Carrasco-Ochoa , Guillermo Sanchez-Diaz	Information Sciences	10.1016/j.ins.2014.09.045

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112	Detecting Positive and Negative Deceptive Opinions using PU-learning	2015	Donato Hernández Fusilier, Manuel Montes-y-Gómez , Paolo Rosso, Rafael Guzmán-Cabrera	Information Processing and Management	10.1016/j.ipm.2014.11.001
113	Two-Level Software Architecture for Context-Aware Mobile Distributed Systems	2015	M. A. M. Acosta, E. L. Domínguez, G. G. Castro, S. E. Pomares Hernández and M. A. Medina Nieto	IEEE LATIN AMERICA TRANSACTIONS	http://www.ewh.ieee.org/reg/9/etrans/ieee/issues/vol13/vol13issue4April2015/13TLA4_43MedinaAcosta.pdf
114	The role of the posterior parietal cortex in stereopsis and hand-eye coordination during motor task behaviours	2015	Giulia Paggetti, Daniel Richard Leff, Felipe Orihuela-Espina , George Mylonas, Ara Darzi, Guang-Zhong Yang, Gloria Menegaz	Cognitive Processing	10.1007/s10339-014-0641-1