

ARTÍCULOS DEL MES DE ABRIL DE 2015

[ARTÍCULOS A] - ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS INCLUIDAS EN JCR

- 1 Quintana-Camargo, M., Mendez-Moran, L., Ramirez-Romero, R., Gurrola-Diaz, C. M., Carapia-Ruiz, V., Ibarra-Laclette, E., Delano-Frier, J. P. & Sanchez-Hernandez, C. (2015). Identification of Genes Differentially Expressed in Husk Tomato (*Physalis Philadelphica*) in Response to Whitefly (*Trialetrodes Vaporariorum*) Infestation. [Acta Physiologiae Plantarum](#), 37(2), 29.
- 2 Hernandez-Flores, J. L., Rodriguez, M. C., Arellanez, A. G., Alvarez-Morales, A. & Avila, E. E. (2015). Effect of Recombinant Prophenin 2 on the Integrity and Viability of *Trichomonas Vaginalis*. [Biomed Research International](#), 2015, 430436.
- 3 Silva-Trujillo, A., Correa-Basurto, J., Romero-Castro, A., Albores, A. & Mendieta-Wejebe, J. E. (2015). A Simple Validated Rp-Hplc Bioanalytical Method for the Quantitative Determination of a Novel Valproic Acid Arylamide Derivative in Rat Hepatic Microsomes. [Biomedical Chromatography](#), 29(4), 523-528.
- 4 Valencia-Morales, M. D., Zaina, S., Heyn, H. et al. (2015). The Dna Methylation Drift of the Atherosclerotic Aorta Increases With Lesion Progression. [Bmc Medical Genomics](#), 8, 7.
- 5 Gonzalez-Mariscal, G., Garcia-Dalman, C. & Jimenez, A. (2015). Biostimulation and nursing modify mating-induced c-FOS immunoreactivity in the female rabbit forebrain. [Brain Research](#), 1608, 66-74.
- 6 Jalife, S., Wu, J. I. C., Martinez-Guajardo, G., Schleyer, P. V., Fernandez-Herrera, M. A. & Merino, G. (2015). The 9-Homocubyl Cation Rearrangement Revisited. [Chemical Communications](#), 51(25), 5391-5393.
- 7 Sanchez-Castellanos, M., Bucio, M. A., Hernandez-Barragan, A., Joseph-Nathan, P., Cuevas, G. & Quijano, L. (2015). Vibrational Circular Dichroism (Vcd), Vcd Exciton Coupling, and Xray Determination of the Absolute Configuration of an Alpha,Beta-Unsaturated Germacranolide. [Chirality](#), 27(3), 247-252.
- 8 Bauer, W. & Vasilevski, N. (2015). On the Structure of Commutative Banach Algebras Generated by Toeplitz Operators on the Unit Ball. Quasi-Elliptic Case. Ii: Gelfand Theory. [Complex Analysis and Operator Theory](#), 9(3), 593-630.
- 9 Adame, M. F., Hermoso, V., Perhans, K., Lovelock, C. E. & Herrera-Silveira, J. A. (2015). Selecting Cost-Effective Areas for Restoration of Ecosystem Services. [Conservation Biology](#), 29(2), 493-502.
- 10 De Rincon, O. T., Montenegro, J. C., Vera, R. et al. (2015). Concrete Carbonation in Ibero-American Countries Duracon Project: Six-Year Evaluation. [Corrosion](#), 71(4), 546-555.

- 11 Prokhorov, E., Kumar-Krishnan, S., Luna-Barcenas, G., Lepe, M. V. & Campos, B. G. (2015). Structure and Properties of Chitosan-Silver Nanoparticles Nanocomposites. [Current Nanoscience](#), 11(2), 166-174.
- 12 Samaniego, J. E., Perez, J. F., Solorza, O. & Garcia, A. (2015). Al₂O₃ + Feco and Al₂O₃ + Feni Coatings for Multiwalled Carbon Nanotubes Growth. [Diamond and Related Materials](#), (53), 18-22.
- 13 Banuelos-Cabral, E. S., Gutierrez-Robles, J. A., Gustavsen, B., Naredo, J. L., Garcia-Sanchez, J. L., Sotelo-Castanon, J. & Galvan-Sanchez, V. A. (2015). Enhancing the accuracy of rational function-based models using optimization. [Electric Power Systems Research](#), 125, 83-90.
- 14 Caixba, M. & Ramirez, A. (2015). A frequency-domain equivalent-based approach to compute periodic steady-state of electrical networks. [Electric Power Systems Research](#), 125, 100-108.
- 15 Magdaleno-Mendez, A., Dominguez, B., Rodriguez-Andrade, A., Barrientos-Morales, M., Cervantes-Acosta, P., Hernandez-Beltran, A., Gonzalez-Ramirez, R. & Felix, R. (2015). Ghrelin Increases Growth Hormone Production and Functional Expression of Na(V)1.1 And Na(V)1.2 Channels in Pituitary Somatotropes. [Endocrine](#), 48(3), 929-936.
- *16 Gonzalez-Herrera, R., Solis-Pimentel, A., Zetina-Moguel, C. & Marino-Tapia, I. (2015). Modeling the Northern Coastline of Yucatan, Mexico, With Genesis. [Environmental & Engineering Geoscience](#), 21(1), 47-61.
- 17 Padilla-Mejia, N. E., Florencio-Martinez, L. E., Moreno-Campos, R., Vizuet-De-Rueda, J. C., Cevallos, A. M., Hernandez-Rivas, R., Manning-Cela, R. & Martinez-Calvilloa, S. (2015). The Selenocysteine Trna Gene in Leishmania Major Is Transcribed by Both Rna Polymerase Ii and Rna Polymerase Iii. [Eukaryotic Cell](#), 14(3), 216-227.
- 18 Lujan-Montelongo, J. A., Estevez, A. O. & Fleming, F. F. (2015). Alkyl Sulfinates: Formal Nucleophiles for Synthesizing Tosmic Analogs. [European Journal of Organic Chemistry](#), (7), 1602-1605.
- 19 Contreras-Gallegos, E., Dominguez-Pacheco, F. A., Hernandez-Aguilar, C., Carballo-Carballo, A., Cruz-Orea, A., Thoen, J. & Glorieux, C. (2015). Study of Thermal and Structural Properties of Starch Granules From Different Maize Genotypes. [Food Biophysics](#), 10(1), 19-24.
- 20 Rosas-Cardenas, F. D., Escobar-Guzman, R., Cruz-Hernandez, A., Marsch-Martinez, N. & De Folter, S. (2015). An Efficient Method for Mirna Detection and Localization in Crop Plants. [Frontiers in Plant Science](#), 6, 99.
- 21 Dominguez-Bocanegra, A. R., Torres-Munoz, J. A. & Lopez, R. A. (2015). Production of Bioethanol From Agro-Industrial Wastes. [Fuel](#), 149, 85-89.
- 22 Carretero-Paulet, L., Chang, T. H., Librado, P., Ibarra-Laclette, E., Herrera-Estrella, L., Rozas, J. & Albert, V. A. (2015). Genome-Wide Analysis of Adaptive Molecular Evolution in the Carnivorous Plant Utricularia Gibba. [Genome Biology and Evolution](#), 7(2), 444-456.

- 23 Aichholzer, O., Caraballo, L. E., Diaz-Banez, J. M., Fabila-Monroy, R., Ochoa, C. & Nigsch, P. (2015). Characterization of Extremal Antipodal Polygons. [Graphs and Combinatorics](#), 31(2), 321-333.
- 24 Karanovic, I., Orduna-Martinez, L. & Ardisson, P. L. (2015). On the Phylogenetic Position of Pseudophilomedinae Within Sarsielloidea (Ostracoda, Myodocopida), With a Description of One New Harbansus From Ningaloo Reef and Redescription of H. Paucichelatus From Yucatan. [Helgoland Marine Research](#), 69(1), 37-56.
- 25 Alvarado-Macias, G., Fuentes-Aceituno, J. C. & Nava-Alonso, F. (2015). Silver Leaching With the Thiosulfate-Nitrite-Sulfite-Copper Alternative System. [Hydrometallurgy](#), 152, 120-128.
- 26 Lopez, S., Cervantes, J. A., Robles, F. A. & Ramos, F. (2015). Computational Model of Motor Planning for Virtual Creatures: a Biologically Inspired Model. [IEEE Latin America Transactions](#), 13(1), 10-17.
- 27 Galan, N., Rosas, R., Rios, J., Canedo, J. M. & Loukianov, A. (2015). Application of Pi and Super Twisting Drivers to Voltage Regulation of Wind Farm Via Statcom. [IEEE Latin America Transactions](#), 13(2), 462-468.
- 28 Lozano-Garcia, J. M. & Ramirez, J. M. (2015). Voltage Compensator Based on a Direct Matrix Converter Without Energy Storage. [IEEE Power Electronics](#), 8(3), 321-332.
- 29 Yamazaki-Nakashimada, M., Maravillas-Montero, J. L., Berron-Ruiz, L. et al. (2015). Successful Adjunctive Immunoglobulin Treatment in Patients Affected by Leukocyte Adhesion Deficiency Type 1 (Lad-1). [Immunologic Research](#), 61(3), 260-268.
- 30 Aviles-Vinas, J. F., Lopez-Juarez, I. & Rios-Cabrera, R. (2015). Acquisition of Welding Skills in Industrial Robots. [Industrial Robot-an International Journal](#), 42(2), 156-166.
- 31 Tapia, R. C., Carrasco, M. F., Rodriguez-Rivera, V. et al. (2015). Identity, Morphometry and Historical Change of the Laguna Encantada in Guelatao De Juarez, Oaxaca, Mexico. [Interciencia](#), 40(2), 100-106.
- 32 Sanchez, E. N. & Rodriguez, D. I. (2015). Inverse Optimal Pinning Control for Complex Networks of Chaotic Systems. [International Journal of Bifurcation and Chaos](#), 25(2), 1550031.
- 33 Jasso-Fuentes, H. & Lopez-Barrientos, J. D. (2015). On the Use of Stochastic Differential Games Against Nature to Ergodic Control Problems With Unknown Parameters. [International Journal of Control](#), 88(5), 897-909.
- 34 Rubio-Loyola, J., Toscano-Pulido, G., Charalambides, M., Magana-Aguilar, M., Serrat-Fernandez, J., Pavlou, G. & Galeana-Zapien, H. (2015). Business-Driven Policy Optimization for Service Management. [International Journal of Network Management](#), 25(2), 113-140.
- 35 Ochoa, G., Melchor-Aguilar, D. & Mondie, S. (2015). Critical Parameters of Integral Delay Systems. [International Journal of Robust and Nonlinear Control](#), 25(7), 1094-1105.

- 36 Aguilar-Ibanez, C., Martinez, J. C., Rubio, J. D. & Suarez-Castanon, M. S. (2015). Inducing Sustained Oscillations in Feedback-Linearizable Single-Input Nonlinear Systems. [Isa Transactions](#), 54, 117-124.
- 37 Meriuts, A. V. & Gurevich, Y. G. (2015). Unusual Nonlinear Current-Voltage Characteristics of a Metal-Intrinsic Semiconductor-Metal Barrierless Structure. [Journal of Applied Physics](#), 117(10), 104506.
- 38 Bogoya, J. M., Bottcher, A., Grudsky, S. M. & Maximenko, E. A. (2015). Maximum norm versions of the Szeg+æ and AvramGÇôParter theorems for Toeplitz matrices. [Journal of Approximation Theory](#), 196, 79-100.
- 39 Cacho, L. M., Bueno, J. J. P., Vong, Y. M., Stremsoerfer, G., Beltran, F. J. E. & Vega, J. M. (2015). Novel Green Process to Modify Abs Surface Before Its Metallization: Optophysic Treatment. [Journal of Coatings Technology and Research](#), 12(2), 313-323.
- 40 Concha, A. & Garrido, R. (2015). Parameter Estimation of the Fitzhugh-Nagumo Neuron Model Using Integrals Over Finite Time Periods. [Journal of Computational and Nonlinear Dynamics](#), 10(2), 021023.
- 41 Balderas, J. U., Falcony, C., Jimenez, G. L., Garzon, A. S. & Mondragon, M. (2015). The Use of Nanoclays to Modify the Morphology and Photoluminescence of Electrospun Poly(9-Vinylcarbazole)/Poly[2-Methoxy-5-(2¹-Ethylhexyloxy)-1,4-Phenylene Vinylene] Blend Fibers. [Journal of Electronic Materials](#), 44(4), 1238-1244.
- 42 Cardenas-Palomo, N., Herrera-Silveira, J., Velazquez-Abunader, I., Reyes, O. & Ordonez, U. (2015). Distribution and Feeding Habitat Characterization of Whale Sharks Rhincodon Typus in a Protected Area in the North Caribbean Sea. [Journal of Fish Biology](#), 86(2), 668-686.
- 43 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2015). Study of Z Production in Ppbp and Pp Collisions at Root S(Nn)=2.76 Tev in the Dimuon and Dielectron Decay Channels. [Journal of High Energy Physics](#), (3), 022.
- 44 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Performance of the Cms Missing Transverse Momentum Reconstruction in Pp Data at Root S=8 Tev. [Journal of Instrumentation](#), 10, P02006.
- 45 Molina-Jijon, E., Rodriguez-Munoz, R., Namorado, M. C., Bautista-Garcia, P., Medina-Campos, O. N., Pedraza-Chaverri, J. & Reyes, J. L. (2015). All-trans retinoic acid prevents oxidative stress-induced loss of renal tight junction proteins in type-1 diabetic model. [Journal of Nutritional Biochemistry](#), 26(5), 441-454.
- 46 Juaristi, E. & Notario, R. (2015). Theoretical Examination of the S-C-P Anomeric Effect. [Journal of Organic Chemistry](#), 80(5), 2879-2883.

- 47 Rodriguez-Romero, V., Gonzalez-Villalva, K. I., Reyes, J. L., Franco-Bourland, R. E., Guizar-Sahagun, G., Castaneda-Hernandez, G. & Cruz-Antonio, L. (2015). A Novel, Simple and Inexpensive Procedure for the Simultaneous Determination of Iopamidol and P-Aminohippuric Acid for Renal Function Assessment From Plasma Samples in Awake Rats. [Journal of Pharmaceutical and Biomedical Analysis](#), 107, 196-203.
- 48 Zuniga-Gutierrez, B., Camacho-Gonzalez, M., Simon-Bastida, P., Bendana-Castillo, A., Calaminici, P. & Koster, A. M. (2015). Efficient Calculation of the Rotational G Tensor From Auxiliary Density Functional Theory. [Journal of Physical Chemistry A](#), 119(9), 1469-1477.
- 49 Cruz-Olvera, D., Vasquez, A. D., Geudtner, G., Vasquez-Perez, J. M., Calaminici, P. & Koster, A. M. (2015). Transition-State Searches in Metal Clusters by First-Principle Methods. [Journal of Physical Chemistry A](#), 119(9), 1494-1501.
- 50 Idigoras, J., Burdzinski, G., Karolczak, J., Kubicki, J., Oskam, G., Anta, J. A. & Ziolek, M. (2015). The Impact of the Electrical Nature of the Metal Oxide on the Performance in Dye-Sensitized Solar Cells: New Look at Old Paradigms. [Journal of Physical Chemistry C](#), 119(8), 3931-3944.
- 51 Diliegros-Godines, C. J., Flores-Ruiz, F. J., Castanedo-Perez, R., Torres-Delgado, G., Espinoza-Beltran, F. J. & Broitman, E. (2015). Mechanical and Tribological Properties of Cdo + Sno2 Thin Films Prepared by Sol-Gel. [Journal of Sol-Gel Science and Technology](#), 74(1), 114-120.
- 52 Carrillo-Tripp, M., Montiel-Garcia, D. J., Brooks, C. L. & Reddy, V. S. (2015). CapsidMaps: Protein-protein interaction pattern discovery platform for the structural analysis of virus capsids using Google Maps. [Journal of Structural Biology](#), 190(1), 47-55.
- 53 Perez-Estrada, S., Rodriguez-Molina, B., Xiao, L., Santillan, R., Jimenez-Oses, G., Houk, K. N. & Garcia-Garibay, M. A. (2015). Thermodynamic Evaluation of Aromatic Ch/Pi Interactions and Rotational Entropy in a Molecular Rotor. [Journal of the American Chemical Society](#), 137(6), 2175-2178.
- 54 Saucedo-Balderas, M. M., Delgado-Alfaro, R. A., Martinez-Martinez, F. J., Ortegón-Reyna, D., Bernabe-Pineda, M., Zuniga-Lemus, O. & Gonzalez-Gonzalez, J. S. (2015). Synthesis, Molecular Structure of Diethyl Phenylenebis(Methylene) Dicarbamates and Ftir Spectroscopy Molecular Recognition Study With Benzenediols. [Journal of the Brazilian Chemical Society](#), 26(2), 396-402.
- 55 Gomez-Gutierrez, D., Celikovsk, S., Ramirez-Trevino, A. & Castillo-Toledo, B. (2015). On the observer design problem for continuous-time switched linear systems with unknown switchings. [Journal of the Franklin Institute](#), 352(4), 1595-1612.
- 56 Silva-Navarro, G. & Abundis-Fong, H. F. (2015). Passive/Active Autoparametric Cantilever Beam Absorber With Piezoelectric Actuator for a Two-Story Building-Like Structure. [Journal of Vibration and Acoustics-Transactions of the Asme](#), 137(1), 011017.
- 57 Charikova, T., Okulov, V., Gubkin, A., Lugovikh, A., Moiseev, K., Nevedomsky, V., Kudriavtsev, Y., Gallardo, S. & Lopez, M. (2015). Magnetization in Aiiiv Semiconductor Heterostructures With the Depletion Layer of Manganese. [Low Temperature Physics](#), 41(2), 157-159.

- 58 Juarez-Gonzalez, F., Suarez-Ortiz, G. A., Fragoso-Serrano, M., Cerda-Garcia-Rojas, C. M. & Pereda-Miranda, R. (2015). Dft H-1-H-1 Coupling Constants in the Conformational Analysis and Stereoisomeric Differentiation of 6-Heptenyl-2h-Pyran-2-Ones: Configurational Reassignment of Synargentolide a. [Magnetic Resonance in Chemistry](#), 53(3), 203-212.
- 59 Quinones-Galvan, J. G., Gonzalez-Rivera, Y. A., Lozada-Morales, R., Campos-Gonzalez, E., Jimenez-Sandoval, S., Zelaya-Angel, O. & Rubio-Rosas, E. (2015). Incorporation of Er³⁺ ions into an amorphous matrix of Cd₂V₂O₇ containing crystalline CdO nanoparticles. [Materials Research Bulletin](#), 68, 267-270.
- 60 Rojas-Marquez, C., Valle-Rios, R., Lopez-Bayghen, E. & Ortiz-Navarrete, V. (2015). CRTAM is negatively regulated by ZEB1 in T cells. [Molecular Immunology](#), 66(2), 290-298.
- 61 Alam-Escamilla, D., Estrada-Muniz, E., Solis-Villegas, E., Elizondo, G. & Vega, L. (2015). Genotoxic and Cytostatic Effects of 6-Pentadecyl Salicylic Anacardic Acid in Transformed Cell Lines and Peripheral Blood Mononuclear Cells. [Mutation Research-Genetic Toxicology and Environmental Mutagenesis](#), 777, 43-53.
- 62 Calderon-Vallejo, D., Quintanar-Stephano, A., Hernandez-Jasso, I., Jimenez-Hernandez, V., Ruiz-Ornelas, J., Jimenez, I. & Quintanar, J. L. (2015). Functional and Structural Recovery of the Injured Spinal Cord in Rats Treated With Gonadotropin-Releasing Hormone. [Neurochemical Research](#), 40(3), 455-462.
- 63 Sanchez-Paredes, J., Silva-Ortigoza, G. & Castro-Ramos, J. (2015). Intensity-Based Method for Selection of Valid Interferometric Data in Temporal Phase Shifting Interferometry. [Optical Engineering](#), 54(2), 024106.
- 64 Kekesi, R., Martin-Becerra, D., Meneses-Rodriguez, D., Garcia-Perez, F., Cebollada, A. & Armelles, G. (2015). Enhanced Nonreciprocal Effects in Magnetoplasmonic Systems Supporting Simultaneously Localized and Propagating Plasmons. [Optics Express](#), 23(6), 8128-8133.
- 65 Gutierrez-Castaneda, E., Salinas-Rodriguez, A., Deaquino-Lara, R. & Marquez-Torres, F. (2015). High Temperature Oxidation and Its Effects on Microstructural Changes of Hot-Rolled Low Carbon Non-Oriented Electrical Steels During Air Annealing. [Oxidation of Metals](#), 83(3-4), 237-252.
- 66 Soto, J. R., Molina, B. & Castro, J. (2015). Reexamination of the Origin of the Pseudo Jahn-Teller Puckering Instability in Silicene. [Physical Chemistry Chemical Physics](#), 17(12), 7624-7628.
- 67 Cui, Z. H., Ding, Y. H., Cabellos, J. L., Osorio, E., Islas, R., Restrepo, A. & Merino, G. (2015). Planar Tetracoordinate Carbons With a Double Bond in C₁₃E Clusters. [Physical Chemistry Chemical Physics](#), 17(14), 8769-8775.
- 68 Monteseuro, V., Rodriguez-Hernandez, P., Ortiz, H. M., Venkatramu, V., Manjon, F. J., Jayasankar, C. K., Lavin, V. & Munoz, A. (2015). Structural, Elastic and Vibrational Properties of Nanocrystalline Lutetium Gallium Garnet Under High Pressure. [Physical Chemistry Chemical Physics](#), 17(14), 9454-9464.

- 69 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2015). Measurement of the Electron Charge Asymmetry in $P(\bar{P}) \rightarrow W + X \rightarrow e\nu + X$ Decays in $P(\bar{P})$ Collisions at $\sqrt{s}=1.96$ TeV. [Physical Review D](#), 91(3), 032007.
- 70 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Measurements of Jet Multiplicity and Differential Production Cross Sections of Z Plus Jets Events in Proton-Proton Collisions at $\sqrt{s}=7$ TeV. [Physical Review D](#), 91(5), 052008.
- 71 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for Resonances and Quantum Black Holes Using Dijet Mass Spectra in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. [Physical Review D](#), 91(5), 052009.
- 72 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2015). Measurement of the Ratio of Inclusive Cross Sections $\sigma(P(\bar{P}) \rightarrow Z+2b \text{ Jets})/\sigma(P(\bar{P}) \rightarrow Z+2 \text{ Jets})$ in $P(\bar{P})$ Collisions at $\sqrt{s}=1.96$ TeV. [Physical Review D](#), 91(5), 052010.
- 73 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for Supersymmetry Using Razor Variables in Events With B-Tagged Jets in Pp Collisions at $\sqrt{s}=8$ TeV. [Physical Review D](#), 91(5), 052018.
- 74 Ayon-Beato, E., Bravo-Gaete, M., Correa, F., Hassaine, M., Juarez-Aubry, M. & Oliva, J. (2015). First Law and Anisotropic Cardy Formula for Three-Dimensional Lifshitz Black Holes. [Physical Review D](#), 91(6), 064006.
- 75 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2015). Measurement of the $B\text{-}S(0)$ Lifetime in the Flavor-Specific Decay Channel $B\text{-}S(0) \rightarrow D\text{-}S(-)\mu(+)\nu X$. [Physical Review Letters](#), 114(6), 062001.
- 76 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Study of Vector Boson Scattering and Search for New Physics in Events With Two Same-Sign Leptons and Two Jets. [Physical Review Letters](#), 114(5), 051801.
- 77 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for Displaced Supersymmetry in Events With an Electron and a Muon With Large Impact Parameters. [Physical Review Letters](#), 114(6), 061801.
- 78 Miranda, O. G., Moura, C. A. & Parada, A. (2015). Sterile neutrinos, dark matter, and resonant effects in ultra high energy regimes. [Physics Letters B](#), 744, 55-58.
- 79 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Long-Range Two-Particle Correlations of Strange Hadrons With Charged Particles in Ppb and Ppbp Collisions at Lhc Energies. [Physics Letters B](#), 742, 200-224.
- 80 Vargas-Ortiz, E., Delano-Frier, J. P. & Tiessen, A. (2015). The tolerance of grain amaranth (*Amaranthus cruentus* L.) to defoliation during vegetative growth is compromised during flowering. [Plant Physiology and Biochemistry](#), 91, 36-40.

- 81 Calderon-Rivera, A., Sandoval, A., Gonzalez-Ramirez, R., Gonzalez-Billault, C. & Felix, R. (2015). Regulation of Neuronal Ca(V)3.1 Channels by Cyclin-Dependent Kinase 5 (Cdk5). [Plos One](#), 10(3), e0119134.
- 82 Sharma, P. P., Fernandez, R., Esposito, L. A., Gonzalez-Santillan, E. & Monod, L. (2015). Phylogenomic Resolution of Scorpions Reveals Multilevel Discordance With Morphological Phylogenetic Signal. [Proceedings of the Royal Society B-Biological Sciences](#), 282(1804), 20142953.
- 83 Vega-Rivera, N. M., Fernandez-Guasti, A., Ramirez-Rodriguez, G. & Estrada-Camarena, E. (2015). Effect of sub-optimal doses of fluoxetine plus estradiol on antidepressant-like behavior and hippocampal neurogenesis in ovariectomized rats. [Psychoneuroendocrinology](#), 57, 113-124.
- 84 Sira-Ramrez, H., Linares-Flores, J., Luviano-Juarez, A. & Cortes-Romero, J. (2015). Global Ultra-models in Active Disturbance Rejection Control of Nonlinear Differentially Flat Systems. [Revista Iberoamericana De Automatica e Informatica Industrial RIAI](#), 12(2), 133-144.
- 85 Camargo-Martinez, J. A., Espitia, D. & Baquero, R. (2015). Atomic Displacements Effects on the Electronic Properties of Bi2sr2ca2cu3o10. [Revista Mexicana De Fisica](#), 61(2), 88-95.
- 86 Garcia-Aguilar, J. D. & Perez-Lorenzana, A. (2015). Dimensional Regularization With Non Beta-Functions. [Revista Mexicana De Fisica](#), 61(2), 149-153.
- 87 Perez-Garcia, M. G., Carranza, A., Puig, J. E., Pojman, J. A., Del Monte, F., Luna-Barcenas, G. & Mota-Morales, J. D. (2015). Porous Monoliths Synthesized Via Polymerization of Styrene and Divinyl Benzene in Nonaqueous Deep-Eutectic Solvent-Based Hipes. [Rsc Advances](#), 5(30), 23255-23260.
- 88 Guevara-Pantoja, P. E. & Caballero-Robledo, G. A. (2015). Tuning Finely the Packing Density of Heavy Microparticles in a Microfluidic Channel. [Rsc Advances](#), 5(31), 24635-24639.
- 89 Esquivel-Gaon, M., Anguissola, S., Garry, D., Gallegos-Melgar, A. D., Saldana, J. M., Dawson, K. A., De Vizcaya-Ruiz, A. & Del Razo, L. M. (2015). Bismuth-Based Nanoparticles as the Environmentally Friendly Replacement for Lead-Based Piezoelectrics. [Rsc Advances](#), 5(35), 27295-27304.
- 90 Gonzalez, J. L., Carretero-Perez, J., Sosa-Sosa, V. J., Sanchez, L. M. & Bergua, B. (2015). SkyCDS: A resilient content delivery service based on diversified cloud storage. [Simulation Modelling Practice and Theory](#), 54, 64-85.
- 91 Fabila-Monroy, R., Huemer, C. & Mitsche, D. (2015). Empty Non-Convex and Convex Four-Gons in Random Point Sets. [Studia Scientiarum Mathematicarum Hungarica](#), 52(1), 52-64.
- 92 Rodriguez-Tello, E., Hao, J. K. & Romero-Monsivais, H. (2015). Boosting the Performance of Metaheuristics for the Minla Problem Using a More Discriminating Evaluation Function. [Tehnicki Vjesnik-Technical Gazette](#), 22(1), 11-24.

93 Rangel, H., Carrillo-Morales, M., Galindo, J. M., Castillo, E., Obregon-Zuniga, A., Juaristi, E. & Escalante, J. (2015). Structural features of N-benzylated-beta-amino acid methyl esters essential for enantiodifferentiation by lipase B from *Candida antarctica* in hydrolytic reactions. [Tetrahedron: Asymmetry](#), 26(7), 325-332.

94 Vargas-Caamal, A., Ortiz-Chi, F., Moreno, D., Restrepo, A., Merino, G. & Cabellos, J. L. (2015). The Rich and Complex Potential Energy Surface of the Ethanol Dimer. [Theoretical Chemistry Accounts](#), 134(2), 16.

95 Flores-Marquez, J. M., Albor-Aguilera, M. L., Matsumoto-Kuwabara, Y., Gonzalez-Trujillo, M. A., Hernandez-Vasquez, C., Mendoza-Perez, R., Contreras-Puente, G. S. & Tufino-Velazquez, M. (2015). Improving CdS/CdTe thin film solar cell efficiency by optimizing the physical properties of CdS with the application of thermal and chemical treatments. [Thin Solid Films](#), 582, 124-127.

96 Lopez-Barrientos, J. D., Jasso-Fuentes, H. & Escobedo-Trujillo, B. A. (2015). Discounted Robust Control for Markov Diffusion Processes. [Top](#), 23(1), 53-76.

97 Hussain, S. Q., Kwon, G. D., Ahn, S. et al. (2015). SF6/Ar plasma textured periodic glass surface morphologies with high transmittance and haze ratio of ITO:Zr films for amorphous silicon thin film solar cells. [Vacuum](#), 117, 91-97.

98 Espino-Solis, G. P., Quintero-Hernandez, V., Olvera-Rodriguez, A., Calderon-Amador, J., Pedraza-Escalona, M., Licea-Navarro, A., Flores-Romo, L. & Possani, L. D. (2015). Novel monoclonal antibody against alphaX subunit from horse CD11c/CD18 integrin. [Veterinary Immunology and Immunopathology](#), 164(3-4), 220-226.

[ARTÍCULOS B] – ARTÍCULOS PUBLICADOS EN EXTENSO EN OTRAS REVISTAS ESPECIALIZADAS (INCLUIDO EL ÍNDICE DE REVISTAS MEXICANAS DE INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA)

99 Ramirez-Neria, M., Sira-Ramirez, H., Luviano-Juarez, A. & Rodriguez-Angeles, A. (2015). Active Disturbance Rejection Control Applied to a Delta Parallel Robot in Trajectory Tracking Tasks. [Asian Journal of Control](#), 17(2), 636-647.

[ARTÍCULOS E] – CARTAS AL EDITOR O COMENTARIOS PUBLICADOS EN REVISTAS INTERNACIONALES

100 Dussel, I. (2015). Feminists in Search of a Postcolonial Turn: Locating Ourselves in the Geopolitics of Knowledge. [Gender and Education](#), 27(2), 95-97.

101 Luna-Munoz, J., Perry, G. & Guevara, J. (2015). Raul Mena: 1953-2014 Obituary. [Journal of Alzheimers Disease](#), 45(2), 325-327.

102 Winkler, R. (2015). Spidermass: Semantic Database Creation and Tripartite Metabolite Identification Strategy. [Journal of Mass Spectrometry](#), 50(3), 538-541.

103 Avila-George, H., Torres-Jimenez, J., Rangel-Valdez, N., Carrion, A. & Hernandez, V. (2015). Supercomputing and Grid Computing on the Verification of Covering Arrays (Vol 62, Pg 916, 2012). [Journal of Supercomputing](#), 71(3), 1175-1176.

104 endoza-Espinosa, D., Gonzalez-Olvera, R., Osornio, C., Negron-Silva, G. E. & Santillan, R. (2015). Versatile O- and S-Functionalized 1,2,3-Triazoliums: Ionic Liquids for the Baylis-Hillman Reaction and Ligand Precursors for Stable Mic-Transition Metal Complexes. [New Journal of Chemistry](#), 39(3), 1587-1591.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

105 Avila-Escalante, M. L., Bogin, B. & Dickinson, F. (2015). Folate (F) and Vitamin B Complex (Vbc) Ingestion of Teenagers Merida, Yucatan, Mexico. [American Journal of Human Biology](#), 27(2), 260.

106 Azcorra, H., Dickinson, F. & Banik, S. D. (2015). A Study on Birth Weight Among the Maya From Yucatan, Mexico. [American Journal of Human Biology](#), 27(2), 260-261.

107 Banik, S. D. & Gonzalez, R. M. M. (2015). Body Size and Nutritional Status of Maya Children Between 12.0 And 23.2 Months of Age in Yaxcaba, Yucatan: in Relation to Gestational Age and Socioeconomic Status. [American Journal of Human Biology](#), 27(2), 266.

108 Munoz, M. D. L., Ochoa-Lugo, M. I. I., Perez-Ramirez, G., Romano-Pacheco, A., Ramos, E. & Martinez-Meza, A. (2015). Maternal Linage of Pre-Hispanic Mayans From the Archeological Sites "El Rey" and "Palenque". [American Journal of Physical Anthropology](#), 156, 232-233.

109 Varela-Silva, M. I., Bogin, B., Azcorra, H., Avila, M. L., Castillo, M. T., Richardson, S. & Dickinson, F. (2015). The Maya Project: Engaging Maya Communities and the General Public in Research Through Art and Multimedia Outputs. [American Journal of Physical Anthropology](#), 156, 312.

[ARTÍCULOS R (2.2)] – ARTÍCULOS DE REVISIÓN PUBLICADOS EN REVISTAS O LIBROS RECONOCIDOS

*110 Gandini, M. A., Sandoval, A. & Felix, R. (2015). Toxins Targeting Voltage-Activated Ca²⁺ Channels and Their Potential Biomedical Applications. [Current Topics in Medicinal Chemistry](#), 15(7), 604-616.

ARTÍCULOS DEL MES DE MAYO DE 2015

[ARTÍCULOS A] - ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS INCLUIDAS EN JCR

- 1 De Vangel, B. C., Torres-Huitzil, C. & Girau, B. (2015). Randomly Spiking Dynamic Neural Fields. [Acm Journal on Emerging Technologies in Computing Systems](#), 11(4), 37.
- 2 Cruz, H., Schuch, D., Castanos, O. & Rosas-Ortiz, O. (2015). Time-evolution of quantum systems via a complex nonlinear Riccati equation. I. Conservative systems with time-independent Hamiltonian. [Annals of Physics](#), 360, 44-60.
- 3 Fernandez, D. J. & Gonzalez, J. C. (2015). Complex oscillator and Painleve IV equation. [Annals of Physics](#), 359, 213-229.
- 4 Cruz-Victoria, J. C., Martinez-Guerra, R., Perez-Pinacho, C. A. & Gomez-Cortes, G. C. (2015). Synchronization of nonlinear fractional order systems by means of PIRA reduced order observer. [Applied Mathematics and Computation](#), 262, 224-231.
- 5 Martinez-Guerra, R., Perez-Pinacho, C. A., Gomez-Cortes, G. C. & Cruz-Victoria, J. C. (2015). Synchronization of incommensurate fractional order system. [Applied Mathematics and Computation](#), 262, 260-266.
- 6 Matsumoto, Y., Dutt, A., Santana-Rodriguez, G., Santoyo-Salazar, J. & Aceves-Mijares, M. (2015). Nanocrystalline Si/SiO₂ Core-Shell Network With Intense White Light Emission Fabricated by Hot-Wire Chemical Vapor Deposition. [Applied Physics Letters](#), 106(17), 171912.
- 7 Villa-Ruano, N., Lozoya-Gloria, E., Betancourt-Jimenez, M. G., Herlt, T., Pacheco-Hernandez, Y. & Castro-Juarez, C. J. (2015). Functional Characterization of Ent-Kaurene Oxidase, Mtko, From *Montanoa tomentosa* (Zoapatle). [Archives of Biological Sciences](#), 67(1), 193-199.
- 8 Martinez-Soto, D. & Ruiz-Herrera, J. (2015). Regulation of the Expression of the Whole Genome of *Ustilago maydis* by a MAPK Pathway. [Archives of Microbiology](#), 197(4), 575-588.
- 9 Martinez-Medina, L. A., Pichardo, B., Perez-Villegas, A. & Moreno, E. (2015). The Contribution of Spiral Arms to the Thick Disk Along the Hubble Sequence. [Astrophysical Journal](#), 802(2), 109.
- 10 Aab, A., Abreu, P., Aglietta, M. et al. (2015). Large Scale Distribution of Ultra High Energy Cosmic Rays Detected at the Pierre Auger Observatory With Zenith Angles up to 80 Degrees. [Astrophysical Journal](#), 802(2), 111.
- 11 Poznyak, A. S. (2015). Robust Feedback Design for Stabilization of Nonlinear Systems With Sampled-Data and Quantized Output: Attractive Ellipsoid Method. [Automation and Remote Control](#), 76(5), 834-846.
- *12 Esmeral, K., Ferrer, O. & Wagner, E. (2015). Frames in Krein Spaces Arising From a Non-Regular W-Metric. [Banach Journal of Mathematical Analysis](#), 9(1), 1-16.

13 Alvarado, J. A., Maldonado, A., Juarez, H., Pacio, M. & Perez, R. (2015). Characterization of nanostructured ZnO thin films deposited through vacuum evaporation. [Beilstein Journal of Nanotechnology](#), 6, 971-975.

14 Sandoval-Cabrera, A., Zarzosa-Alvarez, A. L., Martinez-Miguel, R. M. & Bermudez-Cruz, R. M. (2015). Mr (Mre11-Rad50) Complex in Giardia Duodenalis: in Vitro Characterization and Its Response Upon Dna Damage. [Biochimie](#), 111C, 45-57.

15 Cime-Castillo, J., Delannoy, P., Mendoza-Hernandez, G. et al. (2015). Sialic Acid Expression in the Mosquito Aedes Aegypti and Its Possible Role in Dengue Virus-Vector Interactions. [Biomed Research International](#), 2015, 504187.

16 Barrientos-Ramirez, L., Vargas-Radillo, J. J., Segura-Nieto, M., Manriquez-Gonzalez, R. & Toral Fald. (2015). Nutritional Evaluation of Mature Seeds of Enterolobium Cyclocarpum (Parota) From Diverse Ecological Zones in Western Mexico. [Bosque](#), 36(1), 95-103.

17 Ferraro, S., Gomez-Montalvo, A. I., Olmos, R., Ramirez, M. & Lamas, M. (2015). Primary Cilia in Rat Mature Muller Glia: Downregulation of Ift20 Expression Reduces Sonic Hedgehog-Mediated Proliferation and Dedifferentiation Potential of Muller Glia Primary Cultures. [Cellular and Molecular Neurobiology](#), 35(4), 533-542.

18 Caballero-Briones, F., Calzadilla, O., Chale-Lara, F., Rejon, V. & Pena, J. L. (2015). Mg-Doped CdS films prepared by chemical bath deposition, optical and electrical properties. [Chalcogenide Letters](#), 12(4), 137-145.

19 Munoz-Estrada, J., Benitez-King, G., Berlanga, C. & Meza, I. (2015). Altered Subcellular Distribution of the 75-Kda Disc1 Isoform, Camp Accumulation, and Decreased Neuronal Migration in Schizophrenia and Bipolar Disorder: Implications for Neurodevelopment. [Cns Neuroscience & Therapeutics](#), 21(5), 446-453.

*20 Di Ianni, M. E., Enrique, A. V., Del Valle, M. E., Aldana, B., Rosella, M. A., Rocha, L., Castro, E. A., Bruno-Blanch, L. E. & Talevi, A. (2015). Is There a Relationship Between Sweet Taste and Seizures? Anticonvulsant and Proconvulsant Effects of Non-Nutritive Sweeteners. [Combinatorial Chemistry & High Throughput Screening](#), 18(4), 335-345.

21 Aichholzer, O., Fabila-Monroy, R., Gonzalez-Aguilar, H., Hackl, T., Heredia, M. A., Huemer, C., Urrutia, J., Valtr, P. & Vogtenhuber, B. (2015). On k-gons and k-holes in point sets. [Computational Geometry](#), 48(7), 528-537.

22 Avila-Lopez, U., Almanza-Robles, J. M. & Escalante-Garcia, J. I. (2015). Investigation of Novel Waste Glass and Limestone Binders Using Statistical Methods. [Construction and Building Materials](#), 82, 296-303.

23 Merupo, V. I., Velumani, S., Ordon, K., Errien, N., Szade, J. & Kassiba, A. H. (2015). Structural and Optical Characterization of Ball-Milled Copper-Doped Bismuth Vanadium Oxide (Bivo4). [Crystengcomm](#), 17(17), 3366-3375.

*24 Rivas, A. L., Hoogesteijn, A. L. & Piccinini, R. (2015). Beyond Numbers: the Informative Patterns of Immuno-Staphylococcal Dynamics. [Current Pharmaceutical Design](#), 21(16), 2122-2130.

25 Caballero-Jimenez, J., Habib, F., Ramirez-Rosales, D. et al. (2015). Inducing Magnetic Communication in Caged Dinuclear Co(II) Systems. [Dalton Transactions](#), 44(18), 8649-8659.

26 Torres-Jimenez, J., Izquierdo-Marquez, I., Kacker, R. N. & Kuhn, R. D. (2015). Tower of covering arrays. [Discrete Applied Mathematics](#), 190-191, 141-146.

27 Mex, L., Cruz-Villar, C. A. & Penunuri, F. (2015). Closed-Form Solutions to Differential Equations Via Differential Evolution. [Discrete Dynamics in Nature and Society](#), 2015, 910316.

28 Pineda-Farias, J. B., Velazquez-Lagunas, I., Barragan-Iglesias, P., Cervantes-Duran, C. & Granados-Soto, V. (2015). 5-Ht2b Receptor Antagonists Reduce Nerve Injury-Induced Tactile Allodynia and Expression of 5-Ht2b Receptors. [Drug Development Research](#), 76(1), 31-39.

29 Reyes, E. N., Messina, A. R. & Perez, M. A. (2015). Design of wide-area damping controllers using the block relative gain. [Electric Power Systems Research](#), 126, 56-67.

30 Bach, P., Stratmann, M., Valencia-Jaime, I., Romero, A. H. & Renner, F. U. (2015). Lithiation and Delithiation Mechanisms of Gold Thin Film Model Anodes for Lithium Ion Batteries: Electrochemical Characterization. [Electrochimica Acta](#), 164, 81-89.

31 Salas-Vargas, J., Mancera-Gervacio, J., Velazquez-Perez, L. et al. (2015). Spinocerebellar Ataxia Type 7: a Neurodegenerative Disorder With Peripheral Neuropathy. [European Neurology](#), 73(3-4), 173-178.

32 Sanchez, E. M., Clempner, J. B. & Poznyak, A. S. (2015). Solving the Mean-Variance Customer Portfolio in Markov Chains Using Iterated Quadratic/Lagrange Programming: a Credit-Card Customer Limits Approach. [Expert Systems With Applications](#), 42(12), 5315-5327.

33 Aguilar, A., Wagstaff, K. M., Suarez-Sanchez, R., Zinker, S., Jans, D. A. & Cisneros, B. (2015). Nuclear Localization of the Dystrophin-Associated Protein Alpha-Dystrobrevin Through Importin Alpha 2/Beta 1 Is Critical for Interaction With the Nuclear Lamina/Maintenance of Nuclear Integrity. [Faseb Journal](#), 29(5), 1842-1858.

34 Garcia-Tejeda, Y. V., Salinas-Moreno, Y. & Martinez-Bustos, F. (2015). Acetylation of Normal and Waxy Maize Starches as Encapsulating Agents for Maize Anthocyanins Microencapsulation. [Food and Bioproducts Processing](#), 94, 717-726.

35 Toral-Rios, D., Franco-Bocanegra, D., Rosas-Carrasco, O., Mena-Barranco, F., Garcia, R. C., Meraz-Rios, M. A. & Campos-Pena, V. (2015). Evaluation of Inflammation-Related Genes Polymorphisms in Mexican With Alzheimer's Disease: a Pilot Study. [Frontiers in Cellular Neuroscience](#), 9, 148.

36 Arguello-Garcia, R., Cruz-Soto, M., Gonzalez-Trejo, R., Paz-Maldonado, L. M. T., Bazan-Tejeda, M. L., Mendoza-Hernandez, G. & Ortega-Pierres, G. (2015). An Antioxidant Response Is Involved in Resistance of *Giardia Duodenalis* to Albendazole. [Frontiers in Microbiology](#), 6, 286.

- 37 Aviles, A., Cruz, N., Klapp, J. & Luongo, O. (2015). Emerging the Dark Sector From Thermodynamics of Cosmological Systems With Constant Pressure. [General Relativity and Gravitation](#), 47(5), 63.
- 38 Rojas, F., Lopez, I., Pinto, D. & Sosa, V. J. (2015). Context Expansion for Domain-Specific Word Sense Disambiguation. [IEEE Latin America Transactions](#), 13(3), 784-789.
- 39 Zavattoni, E., Perez, L. J. D., Mitsunari, S., Sanchez-Ramirez, A. H., Teruya, T. & Rodriguez-Henriquez, F. (2015). Software Implementation of an Attribute-Based Encryption Scheme. [IEEE Transactions on Computers](#), 64(5), 1429-1441.
- 40 Pulido-Gaytan, M. A., Reynoso-Hernandez, J. A., Loo-Yau, J. R., Zarate-De Landa, A. & Maya-Sanchez, M. D. (2015). Generalized Theory of the Thru-Reflect-Match Calibration Technique. [IEEE Transactions on Microwave Theory and Techniques](#), 63(5), 1693-1699.
- 41 Lopez-Herrera, G., Maravillas-Montero, J. L., Vargas-Hernandez, A., Berron-Ruiz, L., Ramirez-Sanchez, E., Yamazaki-Nakashimada, M. A., Espinosa-Rosales, F. J. & Santos-Argumedo, L. (2015). A Novel Cd40lg Deletion Causes the Hyper-Igm Syndrome With Normal Cd40l Expression in a 6-Month-Old Child. [Immunologic Research](#), 62(1), 89-94.
- 42 Wang, W., Guerrero, T., Merecias, S. R., Garcia-Ortega, H., Santillan, R., Daran, J.-C., Farfan, N., Agustin, D. & Poli, R. (2015). Substituent effects on solvent-free epoxidation catalyzed by dioxomolybdenum(VI) complexes supported by ONO Schiff base ligands. [Inorganica Chimica Acta](#), 431, 176-183.
- 43 Aguilar, C. H., Pacheco, F. A. D., Orea, A. C. & Tsonchev, R. I. (2015). Thermal Effects of Laser Irradiation on Maize Seeds. [International Agrophysics](#), 29(2), 147-156.
- 44 Vargas-Rosales, C., Mass-Sanchez, J., Ruiz-Ibarra, E., Torres-Roman, D. & Espinoza-Ruiz, A. (2015). Performance Evaluation of Localization Algorithms for Wsns. [International Journal of Distributed Sensor Networks](#), 2015, 493930.
- 45 Lopez-Gonzalez, A., Balancan-Zapata, M., Diaz-Ballote, L. & Castro-Borges, P. (2015). Reinforced Concrete Durability in Response to Aggregate Proportioning. [International Journal of Electrochemical Science](#), 10(4), 2872-2891.
- 46 Mendivil-Reynoso, T., Ramirez-Rodriguez, L. P., Quevedo-Lopez, M. A., Ramirez-Bon, R. & Castillo, S. J. (2015). CdCl₂ Treatment on Chemically Deposited Cds Active Layers in Thin Film Transistors. [International Journal of Electrochemical Science](#), 10(4), 3291-3300.
- *47 Perez, P. A. L., Lopez, R. A. & Gonzalez, M. I. N. (2015). Cadmium Removal at High Concentration in Aqueous Medium: Mediated by *Desulfovibrio Alaskensis*. [International Journal of Environmental Science and Technology](#), 12(6), 1975-1986.
- 48 Beltran-Carbajal, F. & Silva-Navarro, G. (2015). On the Algebraic Parameter Identification of Vibrating Mechanical Systems. [International Journal of Mechanical Sciences](#), 92, 178-186.

- 49 Bueno-Tokunaga, A., Perez-Garibay, R. & Martinez-Carrillo, D. (2015). Zeta potential of air bubbles conditioned with typical froth flotation reagents. [International Journal of Mineral Processing](#), 140, 50-57.
- *50 Rodriguez-Angeles, A., Arteaga-Perez, M. A., Portillo-Velez, R. D. & Cruz-Villar, C. A. (2015). Transparent Bilateral Master-Slave Control Based on Virtual Surfaces: Stability Analysis and Experimental Results. [International Journal of Robotics & Automation](#), 30(2), 128-139.
- 51 Titov, O. Y., Velazquez-Perez, J. E. & Gurevich, Y. G. (2015). Mechanisms of the Thermal Electromotive Force, Heating and Cooling in Semiconductor Structures. [International Journal of Thermal Sciences](#), 92, 44-49.
- 52 Trujillo, J., Molina-Jijon, E., Medina-Campos, O. N., Rodriguez-Munoz, R., Reyes, J. L., Barrera, D. & Pedraza-Chaverri, J. (2015). Superoxide Anion Production and Expression of Gp91(Phox) and P47(Phox) Are Increased in Glomeruli and Proximal Tubules of Cisplatin-Treated Rats. [Journal of Biochemical and Molecular Toxicology](#), 29(4), 149-156.
- 53 Sanchez-Maldonado, C., Lopez-Sanchez, P., Anguiano-Robledo, L., Leopoldo, M., Lacivita, E. & Terron, J. A. (2015). Gr-127935-Sensitive Mechanism Mediating Hypotension in Anesthetized Rats: Are 5-Ht5b Receptors Involved? [Journal of Cardiovascular Pharmacology](#), 65(4), 335-341.
- 54 Mejia-Rodriguez, D., Venegas, R. I. D., Calaminici, P. & Koester, A. M. (2015). Robust and Efficient Auxiliary Density Perturbation Theory Calculations. [Journal of Chemical Theory and Computation](#), 11(4), 1493-1500.
- 55 Sanchez-Orta, A., Parra-Vega, V., Izaguirre-Espinosa, C. & Garcia, O. (2015). Position-Yaw Tracking of Quadrotors. [Journal of Dynamic Systems Measurement and Control-Transactions of the Asme](#), 137(6), 061011.
- 56 Luviano-Juarez, A., Cortes-Romero, J. & Sira-Ramirez, H. (2015). Trajectory Tracking Control of a Mobile Robot Through a Flatness-Based Exact Feedforward Linearization Scheme. [Journal of Dynamic Systems Measurement and Control-Transactions of the Asme](#), 137(5), 051001.
- 57 Diaz-Guillen, M. R., Frechero, M. A., Diaz-Guillen, J. A., Fuentes, A. F. & Leon, C. (2015). Nearly Constant Loss in Crystalline Oxide-Ion Conductor Gd₂Zr₂O₇. [Journal of Electroceramics](#), 34(1), 15-19.
- 58 Gurevich, Y. G. & Lashkevych, I. (2015). Energy and Concentration Nonequilibriums in the Theory of Thermoelectric Processes. [Journal of Electronic Materials](#), 44(6), 1456-1459.
- 59 Sanchez-Madrigal, M. A., Quintero-Ramos, A., Martinez-Bustos, F., Melendez-Pizarro, C. O., Ruiz-Gutierrez, M. G., Camacho-Davila, A., Torres-Chavez, P. I. & Ramirez-Wong, B. (2015). Effect of Different Calcium Sources on the Bioactive Compounds Stability of Extruded and Nixtamalized Blue Maize Flours. [Journal of Food Science and Technology-Mysore](#), 52(5), 2701-2710.
- 60 Lugo, J. M., Rejon, V. & Oliva, A. I. (2015). Specific Heat Determination of Metallic Thin Films at Room Conditions. [Journal of Heat Transfer-Transactions of the Asme](#), 137(5), 051601.

- 61 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Measurement of the Z Gamma Production Cross Section in Pp Collisions at 8 Tev and Search for Anomalous Triple Gauge Boson Couplings. [Journal of High Energy Physics](#), (4), 164.
- 62 Caro-Corrales, L., Caro-Corrales, J., Valdez-Ortiz, A., Lopez-Valenzuela, J., Lopez-Moreno, H., Coronado-Velazquez, D., Hernandez-Ortiz, E. & Rendon-Maldonado, J. (2015). Histopathological Changes in Third-Instar and Adult *Anastrepha Ludens* (Diptera: Tephritidae) After in Vitro Heat Treatment. [Journal of Insect Science](#), 15, 18.
- 63 Garcia, A., Hackmann, E., Kunz, J., Lammerzahn, C. & Macias, A. (2015). Motion of Test Particles in a Regular Black Hole Space-Time. [Journal of Mathematical Physics](#), 56(3), 032501.
- 64 Canche-Tello, J., Vargas, M. C., Hernandez-Cobos, J., Ortega-Blake, I., Leclercq, A., Solari, P. L., Lezama-Pacheco, J., Den Auwer, C. & De Leon, J. M. (2015). X-Ray Accelerated Photo-Oxidation of as(III) in Solution. [Journal of Physical Chemistry A](#), 119(12), 2829-2833.
- 65 Ramos-Castillo, C. M., Reveles, J. U., Zope, R. R. & De Coss, R. (2015). Palladium Clusters Supported on Graphene Monovacancies for Hydrogen Storage. [Journal of Physical Chemistry C](#), 119(15), 8402-8409.
- 66 Calderon-Gonzalez, K. G., Valero-Rustarazo, M. L., Labra-Barrios, M. L. et al. (2015). Determination of the protein expression profiles of breast cancer cell lines by quantitative proteomics using iTRAQ labelling and tandem mass spectrometry. [Journal of Proteomics](#), 124, 50-78.
- 67 Ruiz-Hernandez, A., Sanchez-Munoz, F., Rodriguez, J., Calderon-Zamora, L., Romero-Nava, R., Huang, F., Hong, E. & Villafana, S. (2015). Expression of Orphan Receptors Gpr22 and Gpr162 in Streptozotocin-Induced Diabetic Rats. [Journal of Receptors and Signal Transduction](#), 35(1), 46-53.
- 68 Lopez-Mena, E., Jimenez-Sandoval, S. & Jimenez-Sandoval, O. (2015). ZnO Thin Films Prepared at Low Annealing Temperatures, From a Novel, Simple Sol-Gel Precursor Solution. [Journal of Sol-Gel Science and Technology](#), 74(2), 419-424.
- 69 Gonzalez-Solis, J. L., Sanchez-Ruiz, R., Arana-Zamora, I. A., Martinez-Espinosa, J. C., Perez-Arrieta, M. L. & Falcony-Guajardo, C. (2015). Monitoring of Spectral Map Changes From Normal State to Superconducting State in High-T-C Superconductor Films Using Raman Imaging. [Journal of Spectroscopy](#), 2015, 276537.
- 70 De Montellano Agso & De Leon, J. M. (2015). Anomalous Isotope Effect of Polaronic Excitations. [Journal of Superconductivity and Novel Magnetism](#), 28(4), 1325-1329.
- 71 Lopez-Suarez, A., Torres-Torres, C., Can-Uc, B., Rangel-Rojo, R., Valencia, C. E. & Oliver, A. (2015). Third-Order Nonlinear Optical Properties Exhibited by a Bilayer Configuration of Silver Nanoparticles Integrated to Silicon Nanocrystals Embedded in Ion-Implanted Silica. [Journal of the Optical Society of America B-Optical Physics](#), 32(5), 805-811.
- 72 Castillo-Toledo, B., Di Gennaro, S. & Lopez-Cuevas, A. (2015). Tracking Through Singularities Using Sliding Mode Differentiators. [Kybernetika](#), 51(1), 20-35.

- 73 Perez, C. & Mera, M. (2015). Robust Observer-Based Control of Switched Nonlinear Systems With Quantized and Sampled Output. [Kybernetika](#), 51(1), 59-80.
- 74 Rojas, J. A. & Oliva, A. I. (2015). A Double Energy Transition of Nanocrystalline Cd_xZn_{1-x}S Films Deposited by Chemical Bath. [Materials and Manufacturing Processes](#), 30(6), 785-792.
- 75 Garcia-Romo, G. S., Gonzalez-Ibarra, M., Donis-Hernandez, F. R., Zendejas-Buitron, V. M. & Pedroza-Gonzalez, A. (2015). Immunization With Heat-Inactivated Staphylococcus Aureus Induced an Antibody Response Mediated by Igg1 and Igg2 in Patients With Recurrent Tonsillitis. [Microbiology and Immunology](#), 59(4), 193-201.
- 76 Perez-Ruiz, R. V., Garcia-Ponce, B., Marsch-Martinez, N. et al. (2015). Xaantal2 (Agl14) Is an Important Component of the Complex Gene Regulatory Network That Underlies Arabidopsis Shoot Apical Meristem Transitions. [Molecular Plant](#), 8(5), 796-813.
- 77 Jimenez-Garcia, C., Arcos-Ramos, R., Mendez-Stivalet, J. M., Santillan, R. & Farfan, N. (2015). Synthesis and Characterization of Dissymmetric Molecular Rotors Based on 1,4-Diethynylphenylene Rotators and Steroidal/Triptyl Type Stators. [Monatshefte Fur Chemie](#), 146(6), 1005-1013.
- 78 Hernandez-Saintmartin, A. D., Rosas-Rosas, O. C., Palacio-Nunez, J., Clemente-Sanchez, F. & Hoogesteijn, A. L. (2015). Food Habits of Jaguar and Puma in a Protected Area and Adjacent Fragmented Landscape of Northeastern Mexico. [Natural Areas Journal](#), 35(2), 308-317.
- 79 Flores-Mendez, M., Escalante-Lopez, M., Martinez-Lozada, Z., Hernandez-Kelly, L. C., Najimi, M., Sokal, E. & Ortega, A. (2015). Glutamate-Dependent Translational Control Through Ribosomal Protein S6 Phosphorylation in Cultured Bergmann Glial Cells. [Neurochemical Research](#), 40(5), 915-923.
- 80 Chi-Castaneda, D., Waliszewski, S. M., Zepeda, R. C., Hernandez-Kelly, L. C. R., Caba, M. & Ortega, A. (2015). Glutamate- Dependent Bmal1 Regulation in Cultured Bergmann Glia Cells. [Neurochemical Research](#), 40(5), 961-970.
- 81 Guillermo, J. E., Ricalde-Castellanos, L. J., Sanchez, E. N. & Alanis, A. Y. (2015). Detection of heart murmurs based on radial wavelet neural network with Kalman learning. [Neurocomputing](#), 164, 307-317.
- 82 Lopez-Cuevas, A., Castillo-Toledo, B., Medina-Ceja, L. & Ventura-Mejia, C. (2015). State and Parameter Estimation of a Neural Mass Model From Electrophysiological Signals During the Status Epilepticus. [Neuroimage](#), 113, 374-386.
- 83 Bonilla, M., Malabre, M. & Azhmyakov, V. (2015). An implicit systems characterization of a class of impulsive linear switched control processes. Part 2: Control. [Nonlinear Analysis-Hybrid Systems](#), 18, 15-32.

- 84 Vargas-Robles, H., Rios, A., Arellano-Mendoza, M., Escalante, B. A. & Schnoor, M. (2015). Antioxidative Diet Supplementation Reverses High-Fat Diet-Induced Increases of Cardiovascular Risk Factors in Mice. [Oxidative Medicine and Cellular Longevity](#), 2015, 467471.
- 85 Soto-Rodriguez, G., Gonzalez-Barrios, J. A., Martinez-Fong, D. et al. (2015). Analysis of Chemokines and Receptors Expression Profile in the Myelin Mutant Taiep Rat. [Oxidative Medicine and Cellular Longevity](#), 2015, 397310.
- 86 Borbolla-Vazquez, J., Orozco, E., Betanzos, A. & Rodriguez, M. A. (2015). Entamoeba Histolytica: Protein Arginine Transferase 1a Methylates Arginine Residues and Potentially Modify the H4 Histone. [Parasites & Vectors](#), 8, 219.
- 87 Ascencio-Cedillo, R., Lopez-Pulido, E. I., Munoz-Valle, J. F. et al. (2015). Prolactin and Prolactin Receptor Expression in Cervical Intraepithelial Neoplasia and Cancer. [Pathology & Oncology Research](#), 21(2), 241-246.
- 88 Rojas-Ortega, M., Cruz, R., Vega-Lopez, M. A., Cabrera-Gonzalez, M., Hernandez-Hernandez, J. M., Lavalle-Montalvo, C. & Kouri, J. B. (2015). Exercise modulates the expression of IL-1Beta and IL-10 in the articular cartilage of normal and osteoarthritis-induced rats. [Pathology-Research and Practice](#), 211(6), 435-443.
- 89 Olguin, D., Vallejo, E. & Rubio-Ponce, A. (2015). Ab Initio Study of the Low-Pressure Phases of Ti3O5. [Physica Status Solidi B-Basic Solid State Physics](#), 252(4), 659-662.
- 90 Elsayed, H., Olguin, D., Cantarero, A. & Hernandez-Calderon, I. (2015). Ab Initio Structural and Electronic Band-Structure Study of Mgse. [Physica Status Solidi B-Basic Solid State Physics](#), 252(4), 663-669.
- 91 Garcia-Castro, A. C., Romero, A. H. & Bousquet, E. (2015). Noncollinear Magnetism in Post-Perovskites From First Principles: Comparison Between Carho3 and Nanif3. [Physica Status Solidi B-Basic Solid State Physics](#), 252(4), 689-694.
- 92 Rubio-Ponce, A., Rivera, J. & Olguin, D. (2015). Effects of Spin-Orbit Coupling on Actinium Under Pressure. [Physica Status Solidi B-Basic Solid State Physics](#), 252(4), 695-700.
- 93 Abelev, B., Adam, J., Adamova, D. et al. (2015). $K^*(892)(0)$ and $\Phi(1020)$ Production in Pb-Pb Collisions at $\sqrt{s(Nn)}=2.76$ Tev. [Physical Review C](#), 91(2), 024609.
- 94 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2015). Measurement of the Forward-Backward Asymmetry in $\Lambda(0)(B)$ and $(\Lambda)Over-Bar(B)(0)$ Baryon Production in $P(P)Over-Bar$ Collisions at $\sqrt{s}=1.96$ Tev. [Physical Review D](#), 91(7), 072008.
- 95 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2015). Measurement of the $\Phi(\text{Eta})^*$ Distribution of Muon Pairs With Masses Between 30 and 500 Gev in 10.4 Fb(-1) of $P(P)Over-Bar$ Collisions. [Physical Review D](#), 91(7), 072002.

- 96 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for Long-Lived Particles That Decay Into Final States Containing Two Electrons or Two Muons in Proton-Proton Collisions at Root $S=8\text{TeV}$. [Physical Review D](#), 91(5), 052012.
- 97 Aaltonen, T., Abazov, V. M., Abbott, B. et al. (2015). Tevatron Constraints on Models of the Higgs Boson With Exotic Spin and Parity Using Decays to Bottom-Antibottom Quark Pairs. [Physical Review Letters](#), 114(15), 151802.
- 98 Jimenez-Garcia, K., Leblanc, L. J., Williams, R. A., Beeler, M. C., Qu, C., Gong, M., Zhang, C. & Spielman, I. B. (2015). Tunable Spin-Orbit Coupling Via Strong Driving in Ultracold-Atom Systems. [Physical Review Letters](#), 114(12), 125301.
- 99 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for Monotop Signatures in Proton-Proton Collisions at Root $S=8\text{TeV}$. [Physical Review Letters](#), 114(10), 101801.
- 100 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Searches for Supersymmetry Based on Events With B Jets and Four W Bosons in Pp Collisions at 8 TeV. [Physics Letters B](#), 745, 5-28.
- 101 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for a Standard Model-Like Higgs Boson in the $\text{Mu}(+)\text{Mu}(-)$ and $\text{E}(+)\text{E}(-)$ Decay Channels at the Lhc. [Physics Letters B](#), 744, 184-207.
- 102 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2015). Measurement of the W Plus B-Jet and W Plus C-Jet Differential Production Cross Sections in P (P)Over-Bar Collisions at Root $S=1.96\text{TeV}$. [Physics Letters B](#), 743, 6-14.
- 103 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Measurement of the Production Cross Section Ratio $\text{Sigma}(\text{Chi B2}(1p))/\text{Sigma}(\text{Chi B1}(1p))$ in Pp Collisions at Root $S=8\text{TeV}$. [Physics Letters B](#), 743, 383-402.
- 104 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for Stealth Supersymmetry in Events With Jets, Either Photons or Leptons, and Low Missing Transverse Momentum in Pp Collisions at 8 TeV. [Physics Letters B](#), 743, 503-525.
- 105 Basnet, B. R., Singh, S., Lopez-Vera, E. E., Huerta-Espino, J., Bhavani, S., Jin, Y., Rouse, M. N. & Singh, R. P. (2015). Molecular Mapping and Validation of Srnd643: a New Wheat Gene for Resistance to the Stem Rust Pathogen Ug99 Race Group. [Phytopathology](#), 105(4), 470-476.
- 106 Munguia-Rosas, M. A., Arias, L. M., Jurado-Dzib, S. G., Mezeta-Cob, C. R. & Parra-Tabla, V. (2015). Effects of Herbivores and Pollinators on Fruit Yield and Survival in a Cleistogamous Herb. [Plant Ecology](#), 216(4), 517-525.
- 107 Reynoso-Camacho, R., Guerrero-Villanueva, G., Figueroa, J. D., Gallegos-Corona, M. A., Mendoza, S., Loarca-Pina, G. & Ramos-Gomez, M. (2015). Anticarcinogenic Effect of Corn Tortilla Against 1,2-Dimethylhydrazine (Dmh)-Induced Colon Carcinogenesis in Sprague-Dawley Rats. [Plant Foods for Human Nutrition](#), 70(2), 146-152.

- 108 Patzi-Vargas, S., Zaidi, M. B., Perez-Martinez, I., Leon-Cen, M., Michel-Ayala, A., Chaussabel, D. & Estrada-Garcia, T. (2015). Diarrheagenic Escherichia Coli Carrying Supplementary Virulence Genes Are an Important Cause of Moderate to Severe Diarrhoeal Disease in Mexico. [Plos Neglected Tropical Diseases](#), 9(3), e0003510.
- 109 Silva-Sanchez, A., Meza-Perez, S., Flores-Langarica, A. et al. (2015). Esat-6 Targeting to Dec205+Antigen Presenting Cells Induces Specific-T Cell Responses Against Esat-6 and Reduces Pulmonary Infection With Virulent Mycobacterium Tuberculosis. [Plos One](#), 10(4), e0124828.
- 110 Jue, N. K., Brule, T., Coleman, F. C. & Koenig, C. C. (2015). From Shelf to Shelf: Assessing Historical and Contemporary Genetic Differentiation and Connectivity Across the Gulf of Mexico in Gag, Mycteroperca Microlepis. [Plos One](#), 10(4), e0120676.
- 111 Castillo-Badillo, J. A., Sanchez-Reyes, O. B., Alfonso-Mendez, M. A., Romero-Avila, T., Reyes-Cruz, G. & Garcia-Sainz, J. A. (2015). Alpha(1b)-Adrenergic Receptors Differentially Associate With Rab Proteins During Homologous and Heterologous Desensitization. [Plos One](#), 10(3), e0121165.
- 112 Garcia-Montes de Oca, F. G., Lopez-Gonzalez, M. L., Escobar-Wilches, D. C., Chavira-Ramirez, R. & Sierra-Santoyo, A. (2015). Vinclozolin modulates hepatic cytochrome P450 isoforms during pregnancy. [Reproductive Toxicology](#), 53, 119-126.
- 113 Cejudo-Ruiz, R., Bautista, F., Quintana, P., Delgado-Carranza, M. D., Aguilar, D., Goguitchaichvili, A. & Morales-Contreras, J. J. (2015). Correlation Between Potentially Toxic Elements and Magnetic Properties in Mexico City Soils for the Identification of Contaminated Sites: Definition of Threshold Values. [Revista Mexicana De Ciencias Geologicas](#), 32(1), 50-61.
- 114 Gonzalez, M. A. A., Cadena, A. A. Z., Aguilar, C. N., Muzquiz, E. M. & Equihua, F. (2015). Potato Starch: Binder and Pore Former in Nanoframes of Nanolayered Oxides for Pb²⁺ and Ni²⁺ as Pollutants in Water and Industrial Sludge Applications. [Rsc Advances](#), 5(38), 29748-29756.
- 115 Gonzalez-De la Cruz, G. (2015). Role of metallic substrate on the plasmon modes in double-layer graphene structures. [Solid State Communications](#), 213-214, 6-9.
- 116 Corona-Diaz, A., Garcia-Merinos, J. P., Lopez, Y., Gonzalez-Campos, J. B., Del Rio, R. E., Santillan, R., Farfan, N. & Morzycki, J. W. (2015). Regio- and stereoselective cleavage of steroidal 22-oxo-23-spiroketal catalyzed by BF₃-Et₂O. [Steroids](#), 100, 36-43.
- 117 Escamirosa, F. P., Flores, R. O. & Martinez, A. M. (2015). Construction and Validation of a Low-Cost Surgical Trainer Based on Iphone Technology for Training Laparoscopic Skills. [Surgical Laparoscopy Endoscopy & Percutaneous Techniques](#), 25(2), E78-E82.
- 118 Juarez-De la Rosa, B. A., May-Crespo, J., Quintana-Owen, P., Gonzalez-Gomez, W. S., Yanez-Limon, J. M. & Alvarado-Gil, J. J. (2015). Thermal analysis and structural characterization of chitinous exoskeleton from two marine invertebrates. [Thermochemica Acta](#), 610, 16-22.

119 Reyes-Figueroa, P., Painchaud, T., Lepetit, T., Harel, S., Arzel, L., Yi, J. S., Barreau, N. & Velumani, S. (2015). Structural Properties of In₂Se₃ Precursor Layers Deposited by Spray Pyrolysis and Physical Vapor Deposition for CuInSe₂ Thin-Film Solar Cell Applications. [Thin Solid Films](#), 587, 112-116.

120 Lugo, J. M., Ayora, C., Rejon, V. & Oliva, A. I. (2015). Specific Heat of Cu Nano-Films by Using Electrical Micro-Pulses at Room Conditions. [Thin Solid Films](#), 585, 24-30.

121 Martin, E., Gonzalez-Horta, C., Rager, J. et al. (2015). Metabolomic Characteristics of Arsenic-Associated Diabetes in a Prospective Cohort in Chihuahua, Mexico. [Toxicological Sciences](#), 144(2), 338-346.

122 Rodriguez-Yanez, Y., Bahena-Uribe, D., Chavez-Munguia, B., Lopez-Marure, R., Gonzalez-Monroy, S., Cisneros, B. & Albores, A. (2015). Commercial single-walled carbon nanotubes effects in fibrinolysis of human umbilical vein endothelial cells. [Toxicology in Vitro](#), 29(5), 1201-1214.

[ARTÍCULOS B] – ARTÍCULOS PUBLICADOS EN EXTENSO EN OTRAS REVISTAS ESPECIALIZADAS (INCLUIDO EL ÍNDICE DE REVISTAS MEXICANAS DE INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA)

123 Valderrama, D., Cai, J. N., Hishamunda, N. et al. (2015). The Economics of Kappaphycus Seaweed Cultivation in Developing Countries: a Comparative Analysis of Farming Systems. [Aquaculture Economics & Management](#), 19(2), 251-277.

124 Treesatayapun, C. (2015). A data-driven adaptive controller for a class of unknown nonlinear discrete-time systems with estimated PPD. [Engineering Science and Technology- An International Journal](#), 18(2), 218-228.

125 Flores-Rodriguez, P., Ontiveros-Torres, M. A., Cardenas-Aguayo, M. C. et al. (2015). The Relationship Between Truncation and Phosphorylation at the C-Terminus of Tau Protein in the Paired Helical Filaments of Alzheimer's Disease. [Frontiers in Neuroscience](#), 9, 33.

*126 Galvan-Tejada, G. M. & Duarte-Reynoso, E. Q. (2015). Some Guidelines to Simulate Wireless Sensor Networks in a Propagation Environment With Non-Uniform Vegetation. [International Journal of Sensor Networks](#), 17(1), 40-51.

127 Garcia, A. & Vasilevski, N. (2015). Toeplitz Operators on the Weighted Bergman Space Over the Two-Dimensional Unit Ball. [Journal of Function Spaces](#), 2015, 306168.

128 Bermudez, D., Contreras-Astorga, A. & Fernandez, D. J. (2015). Painleve Iv Hamiltonian systems and coherent states. [Journal of Physics: Conference Series](#), 597, 012017.

129 Rubio-Ponce, A. & Olguin, D. (2015). Ab Initio Electronic Band Structure Study of the Valence Bands of Li-Vi C(2 X 2) Reconstructed Surfaces. [Journal of Physics: Conference Series](#), 574, 012118.

130 Hernandez-Contreras, M. (2015). Counterion Release From a Discretely Charged Surface in an Electrolyte: Monte Carlo Simulation Study. [Journal of Physics: Conference Series](#), 582, 012005.

131 Lopez-Riquelme, G. O., Lopez-Sandoval, E., Vera-Aguilar, E. & Godina-Nava, J. J. (2015). Modulation of Radical Pairs Dynamics Immersed in an Elf-Emf: the Effect on Hepatocarcinogenesis. [Journal of Physics: Conference Series](#), 582, 012048.

132 Navarrete-Cazales, Z. (2015). ¿Otra vez la identidad?: un concepto necesario pero imposible. [Revista Mexicana de Investigacion Educativa](#), 20(65), 461-479.

[ARTÍCULOS E] – CARTAS AL EDITOR O COMENTARIOS PUBLICADOS EN REVISTAS INTERNACIONALES

133 Ramirez-Trevino, A., Silva, M. & Lafortune, S. (2015). Special Issue on Recent Advances in Control of Discrete Event Systems. [Discrete Event Dynamic Systems-Theory and Applications](#), 25(1-2), 3-5.

134 Carrasco-Ruiz, A. & Tiburcio, J. (2015). Electrostatic Kinetic Barriers in the Threading/Dethreading Motion of a Rotaxane-Like Complex. [Organic Letters](#), 17(8), 1858-1861.

135 Cantarero, A. & Hernandez-Calderon, I. (2015). High Pressure in Semiconductor Physics Preface. [Physica Status Solidi B-Basic Solid State Physics](#), 252(4), 651-652.

136 Manko, V. S. & Sanabria-Gomez, J. D. (2015). Comment on "Generalized Black Diholes". [Physical Review D](#), 91(8), 088501.

137 Cantoral, R., Montiel, G. & Reyes-Gasperini, D. (2015). Socioepistemological Program of Mathematics Education Research: the Latin America's Case. [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 18(1), 5-17.

[ARTÍCULOS R (2.2)] – ARTÍCULOS DE REVISIÓN PUBLICADOS EN REVISTAS O LIBROS RECONOCIDOS

138 Chin-Chan, M., Navarro-Yepes, J. & Quintanilla-Vega, B. (2015). Environmental Pollutants as Risk Factors for Neurodegenerative Disorders: Alzheimer and Parkinson Diseases. [Frontiers in Cellular Neuroscience](#), 9, 124.

139 Schnoor, M. (2015). Endothelial Actin-Binding Proteins and Actin Dynamics in Leukocyte Transendothelial Migration. [Journal of Immunology](#), 194(8), 3535-3541.

140 Salahub, D. R., Noskov, S. Y., Lev, B. et al. (2015). Qm/Mm Calculations With Demon2k. [Molecules](#), 20(3), 4780-4812.

141 Rubio-Casillas, A., Rodriguez-Quintero, C. M., Rodriguez-Manzo, G. & Fernandez-Guasti, A. (2015). Unraveling the modulatory actions of serotonin on male rat sexual responses. [Neuroscience & Biobehavioral Reviews](#), 55, 234-246.

ARTÍCULOS DEL MES DE JUNIO DE 2015

ARTÍCULOS A - ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS INCLUIDAS EN JCR

- 1 Rodríguez-Andrade, M. A., Aragon-Gonzalez, G., Aragon, J. L., Gomez-Rodriguez, A. & Romeu, D. (2015). The Coincidence Site Lattices in 2d Hexagonal Lattices Using Clifford Algebra. [Advances in Applied Clifford Algebras](#), 25(2), 425-440.
- 2 Mendoza, M. O., De Fuentes, O. A., Prokhorov, E., Barcenas, G. L. & Ortega, E. P. (2015). Correlation Between Electrical Properties and Potentiometric Response of Cs-Clay Nanocomposite Membranes. [Advances in Materials Science and Engineering](#), 2015, 710425.
- 3 Bautista-Perez, R., Del Valle-Mondragon, L., Cano-Martinez, A., Perez-Mendez, O., Escalante, B. & Franco, M. (2015). Involvement of Neutral Sphingomyelinase in the Angiotensin II Signaling Pathway. [American Journal of Physiology-Renal Physiology](#), 308(10), F1178-F1187.
- 4 Hernandez-Montanez, Z., Lopez-Ramirez, M. P., Delgado-Balbuena, L., Dendooven, L. & Bello-Lopez, J. M. (2015). Mesophilic Strains of Aeromonas Spp. Can Acquire the Multidrug Resistance Plasmid Prs1 in Horizontal Transfer Experiments at Low Temperatures. [Annals of Microbiology](#), 65(2), 827-831.
- 5 Navarro-Noya, Y. E., Valenzuela-Encinas, C., Sandoval-Yuriar, A., Jimenez-Bueno, N. G., Marsch, R. & Dendooven, L. (2015). Archaeal Communities in a Heterogeneous Hypersaline-Alkaline Soil. [Archaea-an International Microbiological Journal](#), 2015, 646820.
- 6 Aguilar-Madrid, G., Castelan-Vega, J. A., Juarez-Perez, C. A. et al. (2015). Seroprevalence of Pandemic a(H1n1) Pmd09 Virus Antibodies in Mexican Health Care Workers Before and After Vaccination. [Archives of Medical Research](#), 46(2), 154-163.
- 7 Brown, J. K., Zerbini, F. M., Navas-Castillo, J. et al. (2015). Revision of Begomovirus Taxonomy Based on Pairwise Sequence Comparisons. [Archives of Virology](#), 160(6), 1593-1619.
- 8 Aab, A., Abreu, P., Aglietta, M. et al. (2015). Searches for Anisotropies in the Arrival Directions of the Highest Energy Cosmic Rays Detected by the Pierre Auger Observatory. [Astrophysical Journal](#), 804(1), 15.
- 9 Rojas-Nino, A., Martinez-Medina, L. A., Pichardo, B. & Valenzuela, O. (2015). Detecting Triaxiality in the Galactic Dark Matter Halo Through Stellar Kinematics. ii. Dependence on Nature Dark Matter and Gravity. [Astrophysical Journal](#), 805(1), 29.
- 10 Aceves-Cano, A., Gaytan-Ochoa, R., Ramos-Martinez, E., De La Vega, G. E., Gonzalez-Horta, C., Talamas-Rohana, P. & Sanchez-Ramirez, B. (2015). Morphological Findings in Trophozoites During Amoebic Abscess Development in Misoprostol-Treated Balb/C Mice. [Biomed Research International](#), 2015, 898467.

- 11 Lopez-Saucedo, C., Bernal-Reynaga, R., Zayas-Jahuey, J., Galindo-Gomez, S., Shibayama, M., Garcia-Galvez, C., Estrada-Parra, S. & Estrada-Garcia, T. (2015). Cd40 Ligand Deficient C57bl/6 Mouse Is a Potential Surrogate Model of Human X-Linked Hyper Igm (X-Higm) Syndrome for Characterizing Immune Responses Against Pathogens. [Biomed Research International](#), 2015, 679850.
- 12 Martinez-Castillo, M., Ramirez-Rico, G., Serrano-Luna, J. & Shibayama, M. (2015). Iron-Binding Protein Degradation by Cysteine Proteases of Naegleria Fowleri. [Biomed Research International](#), 2015, 416712.
- 13 Ortiz-Estrada, G., Calderon-Salinas, V., Shibayama-Salas, M., Leon-Sicairos, N. & De La Garza, M. (2015). Binding and Endocytosis of Bovine Hololactoferrin by the Parasite Entamoeba Histolytica. [Biomed Research International](#), 2015, 375836.
- 14 Vilchis-Ordóñez, A., Contreras-Quiroz, A., Vadillo, E. et al. (2015). Bone Marrow Cells in Acute Lymphoblastic Leukemia Create a Proinflammatory Microenvironment Influencing Normal Hematopoietic Differentiation Fates. [Biomed Research International](#), 2015, 386165.
- 15 Sanchez, A., Gil, J. C., Rojas-Rejon, O. A., De Alba, A. P., Medina, A., Flores, R. & Puente, R. (2015). Sequential Pretreatment Strategies Under Mild Conditions for Efficient Enzymatic Hydrolysis of Wheat Straw. [Bioprocess and Biosystems Engineering](#), 38(6), 1127-1141.
- 16 Cobreros, C., Reyes-Araiza, J. L., Manzano-Ramirez, A., Nava, R., Rodriguez, M., Mondragon-Figueroa, M., Apatiga, L. M. & Rivera-Munoz, E. M. (2015). Barley Straw Ash: Pozzolan Activity and Comparison With Other Natural and Artificial Pozzolans From Mexico. [Bioresources](#), 10(2), 3757-3774.
- *17 Llamas, A. & Martinez-Bernal, J. (2015). Cover Product and Betti Polynomial of Graphs. [Canadian Mathematical Bulletin-Bulletin Canadien De Mathematiques](#), 58(2), 320-333.
- 18 Delgado, C., Ruiz-Hurtado, G. & Gomez-Hurtado, N... et al. (2015). NOD1, a new player in cardiac function and calcium handling. [Cardiovascular Research](#), 106, 375-386.
- 19 Carrillo, E. D., Sampieri, R., Hernandez, A., Garcia, M. C. & Sanchez, J. A. (2015). Mir-132 Regulates Rem Expression in Cardiomyocytes During Long-Term Beta-Adrenoceptor Agonism. [Cellular Physiology and Biochemistry](#), 36(1), 141-154.
- 20 Garcia-Aguilar, M. & Gillmor, C. S. (2015). Zygotic genome activation and imprinting: parent-of-origin gene regulation in plant embryogenesis. [Current Opinion in Plant Biology](#), 27, 29-35.
- 21 Mariscal, L. B., Carmona-Tellez, S., Alarcon-Flores, G., Meza-Rocha, A. N., Murrieta, H. S. & Falcony, C. (2015). Synthesis of Al₂O₃: Eu³⁺ Powder and Pet Films With This Powder Incorporated: a Luminescence Study. [Ecs Journal of Solid State Science and Technology](#), 4(7), R97-R104.
- 22 Lopez, G., Quezada, H., Duhne, M. et al. (2015). Diversification of Paralogueous Alpha-Isopropylmalate Synthases by Modulation of Feedback Control and Hetero-Oligomerization in Saccharomyces Cerevisiae. [Eukaryotic Cell](#), 14(6), 564-577.

- 23 Andreev, V., Baghdasaryan, A., Begzsuren, K. et al. (2015). Measurement of Multijet Production in Ep Collisions at High Q^2 and Determination of the Strong Coupling α_s . [European Physical Journal C](#), 75(2), 65.
- 24 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Measurement of Electroweak Production of Two Jets in Association With a Z Boson in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. [European Physical Journal C](#), 75(2), 66.
- 25 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for dark matter, extra dimensions and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8$ TeV. [European Physical Journal C](#), 75(5), 235.
- 26 Ramos-Solano, M., Meza-Canales, I. D., Torres-Reyes, L. A. et al. (2015). Expression of WNT genes in cervical cancer-derived cells: Implication of WNT7A in cell proliferation and migration. [Experimental Cell Research](#), 335(1), 39-50.
- 27 Popoca-Cuaya, M., Diaz-Chavez, J., Hernandez-Monge, J., Alvarez-Rios, E., Lambert, P. F. & Gariglio, P. (2015). The Hpv16 E6 Oncoprotein and Uvb Irradiation Inhibit the Tumor Suppressor Tgf Pathway in the Epidermis of the K14e6 Transgenic Mouse. [Experimental Dermatology](#), 24(6), 430-435.
- 28 Alonso-Morales, A., Gonzalez-Lopez, L., Cazares-Raga, F. E., Cortes-Martinez, L., Torres-Monzon, J. A., Gallegos-Perez, J. L., Rodriguez, M. H., James, A. A. & Hernandez-Hernandez, F. C. (2015). Protein phosphorylation during Plasmodium berghei gametogenesis. [Experimental Parasitology](#), 156, 49-60.
- 29 Colin-Orozco, J., Zapata-Torres, M., Rodriguez-Gattorno, G. & Pedroza-Islas, R. (2015). Properties of Poly (Ethylene Oxide)/Whey Protein Isolate Nanofibers Prepared by Electrospinning. [Food Biophysics](#), 10(2), 134-144.
- 30 Vega-Lizama, T., Diaz-Ballote, L., Hernandez-Mezquita, E., May-Crespo, F., Castro-Borges, P., Castillo-Atoche, A., Gonzalez-Garcia, G. & Maldonado, L. (2015). Thermogravimetric Analysis as a Rapid and Simple Method to Determine the Degradation Degree of Soy Biodiesel. [Fuel](#), 156, 158-162.
- 31 Avina-Padilla, K., De La Vega, O. M., Rivera-Bustamante, R., Martinez-Soriano, J. P., Owens, R. A., Hammond, R. W. & Vielle-Calzada, J. P. (2015). In Silico Prediction and Validation of Potential Gene Targets for Pospiviroid-Derived Small Rnas During Tomato Infection. [Gene](#), 564(2), 197-205.
- 32 Chinas, P., Lopez, I., Vazquez, J. A., Osorio, R. & Lefranc, G. (2015). Svm and Ann Application to Multivariate Pattern Recognition Using Scatter Data. [Ieee Latin America Transactions](#), 13(5), 1633-1639.
- 33 Herrera, J. F. & Moreno, P. (2015). Calculation of Reflection Losses in a Small Anechoic Chamber. [Ieee Latin America Transactions](#), 13(5), 1258-1264.

- 34 Cabrera-Gonzalez, J., Xochitiotzi-Flores, E., Vinas, C., Teixidor, F., Garcia-Ortega, H., Farfan, N., Santillan, R., Parella, T. & Nunez, R. (2015). High-Boron-Content Porphyrin-Cored Aryl Ether Dendrimers: Controlled Synthesis, Characterization, and Photophysical Properties. [Inorganic Chemistry](#), 54(10), 5021-5031.
- 35 Rivillas-Acevedo, L., Sanchez-Lopez, C., Amero, C. & Quintanar, L. (2015). Structural Basis for the Inhibition of Truncated Islet Amyloid Polypeptide Aggregation by Cu(II): Insights Into the Bioinorganic Chemistry of Type II Diabetes. [Inorganic Chemistry](#), 54(8), 3788-3796.
- 36 Perez-Luna, A. I., Gutierrez-Espinosa, M. A., Zavaleta-Mancera, H. A., Robledo-Paz, A. & Mora-Aguilera, G. (2015). Histological Response to Inducers of Morphogenetic Processes in Citrus Latifolia Tan. [Interciencia](#), 40(5), 343-349.
- 37 Arauz, J., Rivera-Espinoza, Y., Shibayama, M., Favari, L., Flores-Beltran, R. E. & Muriel, P. (2015). Nicotinic acid prevents experimental liver fibrosis by attenuating the prooxidant process. [International Immunopharmacology](#), 28(1), 244-251.
- 38 Alvarado-Beltran, C. G., Almaral-Sanchez, J. L., Quevedo-Lopez, M. A. & Ramirez-Bon, R. (2015). Dielectric Gate Applications of Pmma-Tio2 Hybrid Films in ZnO-Based Thin Film Transistors. [International Journal of Electrochemical Science](#), 10(5), 4068-4082.
- 39 Linares-Garcia, J. A., Ramos-Ramirez, E. G. & Salazar-Montoya, J. A. (2015). Viscoelastic Properties and Textural Characterisation of High Methoxyl Pectin of Hawthorn (*Crataegus Pubescens*) in a Gelling System. [International Journal of Food Science and Technology](#), 50(6), 1484-1493.
- 40 Vales-Pinzon, C., Medina-Esquivel, R. A., Ordonez-Miranda, J. & Alvarado-Gil, J. J. (2015). Thermal transfer in mixtures of ethylene glycol with carbon coated iron nanoparticles under the influence of a uniform magnetic field. [Journal of Alloys and Compounds](#), 643, S71-S74.
- 41 Madera-Santana, T. J., Freile-Pelegrin, Y., Encinas, J. C., Rios-Soberanis, C. R. & Quintana-Owen, P. (2015). Biocomposites Based on Poly(Lactic Acid) and Seaweed Wastes From Agar Extraction: Evaluation of Physicochemical Properties. [Journal of Applied Polymer Science](#), 132(31), 42320.
- 42 Millhauser, J. K., Fargher, L. F., Espinoza, V. Y. H. & Blanton, R. E. (2015). The Geopolitics of Obsidian Supply in Postclassic Tlaxcallan: a Portable X-Ray Fluorescence Study. [Journal of Archaeological Science](#), 58, 133-146.
- 43 Ibarra-Lara, L., Sanchez-Aguilar, M., Hong, E. et al. (2015). Ppar Alpha Stimulation Modulates Myocardial Ischemia-Induced Activation of Renin-Angiotensin System. [Journal of Cardiovascular Pharmacology](#), 65(5), 430-437.
- 44 Parra, S. M., Valle-Levinson, A., Marino-Tapia, I. & Enriquez, C. (2015). Salt Intrusion at a Submarine Spring in a Fringing Reef Lagoon. [Journal of Geophysical Research-Oceans](#), 120(4), 2736-2750.

- 45 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2015). Forward-Backward Multiplicity Correlations in Pp Collisions at Root S=0.9, 2.76 And 7 Tev. [Journal of High Energy Physics](#), (5), 97.
- 46 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Searches for Supersymmetry Using the M-T2 Variable in Hadronic Events Produced in Pp Collisions at 8 Tev. [Journal of High Energy Physics](#), (5), 78.
- 47 Diaz-Guillen, J. C., Vargas-Gutierrez, G., Granda-Gutierrez, E. E., Aguilar-Martinez, J. A., Gonzalez-Albarran, M. A. & Alvarez-Contreras, L. (2015). Influences of Processing Time and Discharge Current Density During Pulsed Plasma-Oxidizing Process of Aisi 316l. [Journal of Materials Engineering and Performance](#), 24(6), 2368-2372.
- 48 Salinas, J. J. & Salinas, A. (2015). Grain Size and Texture Evolution During Annealing of Non-Oriented Electrical Steel Deformed in Tension. [Journal of Materials Engineering and Performance](#), 24(5), 2117-2125.
- 49 Rodriguez-Aranda, M. C., Calderon-Pinar, F., Mayen-Mondragon, R. & Yanez-Limon, J. M. (2015). Synthesis and Optical Characterization of Pb(Zr_{0.53}Ti_{0.47})O₃ Thin Films on Indium Tin Oxide/Quartz Substrates by a Simplified Sol-Gel Route. [Journal of Materials Science-Materials in Electronics](#), 26(6), 3486-3492.
- 50 Reyes-Lopez, S. Y., Cornejo-Monroy, D. & Gonzalez-Garcia, G. (2015). A Novel Route for the Preparation of Gold Nanoparticles in Polycaprolactone Nanofibers. [Journal of Nanomaterials](#), 2015, 485121.
- 51 Hernandez-Garcia, F. A., Torres-Delgado, G., Castanedo-Perez, R. & Zelaya-Angel, O. (2015). Photodegradation of gaseous C₆H₆ using CdO+CdTiO₃ and TiO₂ thin films obtained by sol-gel technique. [Journal of Photochemistry and Photobiology A-Chemistry](#), 310, 52-59.
- 52 Rojas, A., Valdes-Ordenez, A., Martinez-Herrera, M., Torres, L. A., Campos, M., Hernandez-Obregon, J., Herrera, R. & Tamariz, J. (2015). Thermochemical Study of 1-Acetyl Vinyl P-Nitrobenzoate: Vinyl Bond Enthalpy in Captodative Olefins. [Journal of Physical Chemistry A](#), 119(20), 4953-4960.
- 53 Vega-Flick, A., Mustre-De Leon, J. & Saini, N. L. (2015). Effect of local atomic phase separation in the x-ray absorption near edge structure spectroscopy of Fe_{Sex}Te_{1-x}. [Journal of Physics and Chemistry of Solids](#), 84, 80-84.
- 54 Hernandez-Rodriguez, E., Loeza-Poot, M., Riech, I., Rejon, V. & Pena, J. L. (2015). A Comparative Study of Cds:F and Cds:O Thin Films Deposited by Reactive Rf-Sputtering Technique for Window Layer Application in Solar Cells. [Journal of Physics D-Applied Physics](#), 48(25), 255102.
- 55 Contreras-Hernandez, E., Chavez, D. & Rudomin, P. (2015). Dynamic Synchronization of Ongoing Neuronal Activity Across Spinal Segments Regulates Sensory Information Flow. [Journal of Physiology-London](#), 593(10), 2343-2363.

- 56 Gonzalez-Calixto, C., Cazares-Raga, F. E., Cortes-Martinez, L. et al. (2015). Aelrack1 Expression and Localization in Response to Stress in C6/36 Ht Mosquito Cells. [Journal of Proteomics](#), 119, 45-60.
- 57 Rodriguez-Manzo, G. & Canseco-Alba, A. (2015). Anandamide Reduces the Ejaculatory Threshold of Sexually Sluggish Male Rats: Possible Relevance for Human Lifelong Delayed Ejaculation Disorder. [Journal of Sexual Medicine](#), 12(5), 1128-1135.
- 58 Bustos-Guajardo, R. & Moukarzel, C. F. (2015). World distribution of gross domestic product per-capita. [Journal of Statistical Mechanics-Theory and Experiment](#), 2015, P05023.
- 59 Moukarzel, C. F. (2015). Elastic Anomalies in Disordered Square Networks. [Journal of Statistical Mechanics-Theory and Experiment](#), 2015, P04008.
- 60 Saucedo-Rivalcoba, V., Landeros, J. G. A., Meneses, V. M. C., Yanez-Limon, J. M., Gomez-Guzman, O., Velasco-Santos, C. & Martinez-Hernandez, A. L. (2015). Study of Thermal Properties of Mullite Porous Materials. [Journal of Thermal Analysis and Calorimetry](#), 120(3), 1553-1561.
- 61 Gonz+ílez-Amaro, R. M. a., Figueroa-C+írdenas, J. d. D., Perales, H. & Santiago-Ramos, D. (2015). Maize races on functional and nutritional quality of tejate: A maize-cacao beverage. [LWT - Food Science and Technology](#), 63(2), 1008-1015.
- 62 Adame, M. F., Fry, B., Gamboa, J. N. & Herrera-Silveira, J. A. (2015). Nutrient Subsidies Delivered by Seabirds to Mangrove Islands. [Marine Ecology Progress Series](#), 525, 15-24.
- 63 Acuna-Gutierrez, I. O., Escobedo-Bocardo, J. C., Almanza-Robles, J. M., Cortes-Hernandez, D. A., Saldivar-Ramirez, M. M. G., Resendiz-Hernandez, P. J. & Zugasti-Cruz, A. (2015). Bioactive and Hemocompatible Calcium Sulphoaluminate Cement. [Materials Research-Ibero-American Journal of Materials](#), 18(2), 298-303.
- 64 Babu, B. J., Velumani, S., Simonds, B. J., Ahrenkiel, R. K., Kassiba, A. & Asomoza, R. (2015). Effect of sodium doping on graded Cu(In₁G_xExGa_x)Se₂ thin films prepared by chemical spray pyrolysis. [Materials Science in Semiconductor Processing](#), 37, 37-45.
- 65 Bernal-Correa, R., Morales-Acevedo, A., Pulzara Mora, A., Montes-Monsalve, J. & Lopez Lopez, M. (2015). Design of Al_xGa_{1-x}As/GaAs/In_yGa_{1-y}As triple junction solar cells with anti-reflective coating. [Materials Science in Semiconductor Processing](#), 37, 57-61.
- 66 Calderon, C., Gordillo, G., Becerra, R. & Bartolo-Perez, P. (2015). XPS analysis and characterization of thin films Cu₂ZnSnS₄ grown using a novel solution based route. [Materials Science in Semiconductor Processing](#), 39, 492-498.
- 67 Diaz-Reyes, J., Contreras-Rascon, J. I., Arias-Ceron, J. S., Sanchez-Ramirez, J. F., Galvan-Arellano, M., Martinez-Juarez, J. & Balderas-Lopez, J. A. (2015). Structural and optical characterisation of CdSe_{1-y}S_y. [Materials Science in Semiconductor Processing](#), 37, 199-206.

- 68 Hernandez, A. G., Kudriavtsev, Y., Gallardo, S., Avendano, M. & Asomoza, R. (2015). Formation of self-organized nano-surfaces on III-V semiconductors by low energy oxygen ion bombardment. [Materials Science in Semiconductor Processing](#), 37, 190-198.
- 69 Hussain, S. Q., Yen, C., Khan, S. et al. (2015). Uniform 3D hydrothermally deposited zinc oxide nanorods with high haze ratio. [Materials Science in Semiconductor Processing](#), 37, 99-104.
- 70 Jimenez-Perez, J. L., Algatti, M. A., Cruz-San Martin, V., Moreira Junior, P. W. P., Mota, R. R. P., Correa Pacheco, Z. N., Cruz-Orea, A. & Sanchez Ramirez, J. F. (2015). Photothermal study of RF-plasma polymerized hexamethyldisilazane thin films. [Materials Science in Semiconductor Processing](#), 37, 223-228.
- 71 Karthik, T. V. K., Olvera, M. L., Maldonado, A. & Velumurugan, V. (2015). Sensing properties of undoped and Pt-doped SnO₂ thin films deposited by chemical spray. [Materials Science in Semiconductor Processing](#), 37, 143-150.
- 72 Khan, S., Hussain, S. Q., Hwang, D., Velumani, S. & Lee, H. (2015). Light trapping by hydrothermally deposited zinc oxide nanostructures with high haze ratio. [Materials Science in Semiconductor Processing](#), 37, 51-56.
- 73 Park, H., Hussain, S. Q., Velumani, S., Tuan-Le, A. H., Ahn, S., Kim, S. & Yi, J. (2015). Influence of working pressure on the structural, optical and electrical properties of sputter deposited AZO thin films. [Materials Science in Semiconductor Processing](#), 37, 29-36.
- 74 Raja, J., Jang, K., Balaji, N., Hussain, S. Q., Velumani, S., Chatterjee, S., Kim, T. & Yi, J. (2015). Aging effects on the stability of nitrogen-doped and un-doped InGaZnO thin-film transistors. [Materials Science in Semiconductor Processing](#), 37, 129-134.
- 75 Raja, J., Jung, S., Jang, K., Jin, Z., Chatterjee, S., Velumani, S., Kim, J. & Yi, J. (2015). Improvement of data retention characteristics of OSOSO multi-stacked MIS capacitor for flat panel display technology. [Materials Science in Semiconductor Processing](#), 37, 9-13.
- 76 Rohini, M., Reyes, P., Velumani, S., Latha, M., Oza, G., Becerril-Juarez, I. & Asomoza, R. (2015). Parametric optimization of mechanochemical process for synthesis of Cu(In, Ga)_{0.5}Se₂ nanoparticles. [Materials Science in Semiconductor Processing](#), 37, 151-158.
- 77 Thanikaikarasan, S., Mahalingam, T., Raja, M. & Velumani, S. (2015). Electrochemical growth and characterization of iron doped cadmium sulfide thin films. [Materials Science in Semiconductor Processing](#), 37, 215-222.
- 78 Torres-Hernandez, J. R., Ramirez-Morales, E., Rojas-Blanco, L. et al. (2015). Structural, optical and photocatalytic properties of ZnO nanoparticles modified with Cu. [Materials Science in Semiconductor Processing](#), 37, 87-92.
- 79 Velasco-Villa, M., Heras-Godinez, J., Vazquez-Santacruz, J. A. & Fragoso-Rubio, V. (2015). Delayed Consensus Problem for Single and Double Integrator Systems. [Mathematical Problems in Engineering](#), 2015, 461098.

- 80 Ramsey, J. M., Peterson, A. T., Carmona-Castro, O., Moo-Llanes, D. A., Nakazawa, Y., Butrick, M., Tun-Ku, E., De La Cruz-Felix, K. & Ibarra-Cerdena, C. N. (2015). Atlas of Mexican Triatominae (Reduviidae: Hemiptera) and Vector Transmission of Chagas Disease. [Memorias Do Instituto Oswaldo Cruz](#), 110(3), 339-352.
- 81 Jimenez, G. S. A., Barranca, M. A. R., Acevedo, S. M., Cervantes, J. E. M. & Arce, M. A. A. (2015). Design Considerations and Electro-Mechanical Simulation of an Inertial Sensor Based on a Floating Gate Metal-Oxide Semiconductor Field-Effect Transistor as Transducer. [Microsystem Technologies-Micro-and Nanosystems-Information Storage and Processing Systems](#), 21(6), 1353-1362.
- 82 Carretero-Paulet, L., Librado, P., Chang, T. H., Ibarra-Laclette, E., Herrera-Estrella, L., Rozas, J. & Albert, V. A. (2015). High Gene Family Turnover Rates and Gene Space Adaptation in the Compact Genome of the Carnivorous Plant *Utricularia Gibba*. [Molecular Biology and Evolution](#), 32(5), 1284-1295.
- 83 Perez, A. I. M., Alonso, O. C., Borbolla, J. C., Vasquez-Perez, J. M., Alonso, J. C., Ayala, K. A., Luna-Barcenas, G., Pandiyan, T. & Garcia, R. A. V. (2015). Synthesis of Photochromic Oligophenylenimines: Optical and Computational Studies. [Molecules](#), 20(4), 5440-5455.
- 84 Laura-Guarachi, L. R. & Hernandez-Lerma, O. (2015). The Mitra-Wan Forestry Model: a Discrete-Time Optimal Control Problem. [Natural Resource Modeling](#), 28(2), 152-168.
- 85 Mariscal, L., Carmona-Tellez, S., Alarcon-Flores, G., Murrieta, H., Hernandez, J. M., Camarillo, E. & Falcony, C. (2015). Luminescent properties of Al₂O₃:Tb³⁺ powders embedded in polyethylene terephthalate films. [Optical Materials](#), 46, 233-239.
- 86 Martinez-Olmos, R. C., Guzman-Mendoza, J., Baez-Rodriguez, A., Alvarez-Fragoso, O., Garcia-Hipolito, M. & Falcony, C. (2015). Synthesis, characterization and luminescence studies in ZrO₂:Dy³⁺ and ZrO₂:Dy³⁺, Gd³⁺ films deposited by the Pyrosol method. [Optical Materials](#), 46, 168-174.
- 87 Palomino-Merino, R., Trejo-Garcia, P., Portillo-Moreno, O., Jimenez-Sandoval, S., Tomas, S. A., Zelaya-Angel, O., Lozada-Morales, R. & Castano, V. M. (2015). Red shifts of the Eg(1) Raman mode of nanocrystalline TiO₂:Er monoliths grown by sol-gel process. [Optical Materials](#), 46, 345-349.
- 88 Retana, C., Sanchez, E., Perez-Lopez, A., Cruz, A., Lagunas, J., Cruz, C., Vital, S. & Reyes, J. L. (2015). Alterations of Intercellular Junctions in Peritoneal Mesothelial Cells From Patients Undergoing Dialysis: Effect of Retinoic Acid. [Peritoneal Dialysis International](#), 35(3), 275-287.
- 89 Flores-Valenzuela, J., Cortez-Valadez, M., Ramirez-Bon, R., Arizpe-Chavez, H., Roman-Zamorano, J. F. & Flores-Acosta, M. (2015). Optical and Vibrational Properties of Pbse Nanoparticles Synthesized in Clinoptilolite. [Physica E-Low-Dimensional Systems & Nanostructures](#), 72, 1-6.
- 90 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2015). Centrality Dependence of Particle Production in P-Pb Collisions at Root S(Nn)=5.02 Tev. [Physical Review C](#), 91(6), 064905.
- 91 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2015). Two-Pion Femtoscopy in P-Pb Collisions at Root(Nn)-N-S=5.02 Tev. [Physical Review C](#), 91(3), 034906.

- 92 Aab, A., Abreu, P., Aglietta, M. et al. (2015). Improved Limit to the Diffuse Flux of Ultrahigh Energy Neutrinos From the Pierre Auger Observatory. [Physical Review D](#), 91(9), 092008.
- 93 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2015). Precision Measurement of the Top-Quark Mass in Lepton Plus Jets Final States. [Physical Review D](#), 91(11), 112003.
- 94 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for Physics Beyond the Standard Model in Final States With a Lepton and Missing Transverse Energy in Proton-Proton Collisions at Root S = 8 Tev. [Physical Review D](#), 91(9), 092005.
- 95 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Study of Final-State Radiation in Decays of Z Bosons Produced in Pp Collisions at 7 Tev. [Physical Review D](#), 91(9), 092012.
- 96 Moyotl, A., Tavares-Velasco, G. & Toscano, J. J. (2015). Cp-Odd Contributions to the $Z\gamma^*$, $Z\gamma^*$, and $Z\gamma^*$ Vertices Induced by Nondiagonal Charged Scalar Boson Couplings. [Physical Review D](#), 91(9), 093005.
- 97 Aad, G., Abbott, B., Abdallah, J. et al. (2015). Combined Measurement of the Higgs Boson Mass in Pp Collisions at Root S=7 and 8 Tev With the Atlas and Cms Experiments. [Physical Review Letters](#), 114(19), 191803.
- 98 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Measurement of J/Psi and Psi(2s) Prompt Double-Differential Cross Sections in Pp Collisions at Root S=7 Tev. [Physical Review Letters](#), 114(19), 191802.
- 99 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2015). Measurement of Dijet K(T) in P-Pb Collisions at Root S(Nn)=5.02 Tev. [Physics Letters B](#), 746, 385-395.
- 100 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2015). Measurement of Jet Suppression in Central Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physics Letters B](#), 746, 1-14.
- 101 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Measurement of the Cross Section Ratio $\frac{\sigma(T\bar{T})}{\sigma(B\bar{B})}/\sigma(T\bar{T})$ in Pp Collisions at Root S=8 Tev. [Physics Letters B](#), 746, 132-153.
- 102 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Search for Quark Contact Interactions and Extra Spatial Dimensions Using Dijet Angular Distributions in Proton-Proton Collisions at Root S=8 Tev. [Physics Letters B](#), 746, 79-99.
- 103 Rodriguez-Leal, D., Leon-Martinez, G., Abad-Vivero, U. & Vielle-Calzada, J. P. (2015). Natural Variation in Epigenetic Pathways Affects the Specification of Female Gamete Precursors in Arabidopsis. [Plant Cell](#), 27(4), 1034-1045.
- 104 Garciadiego-Cazares, D., Aguirre-Sanchez, H. I., Abarca-Buis, R. F., Kouri, J. B., Velasquillo, C. & Ibarra, C. (2015). Regulation of Alpha 5 and Alpha V Integrin Expression by Gdf-5 and Bmp-7 in Chondrocyte Differentiation and Osteoarthritis. [Plos One](#), 10(5), e0127166.

- 105 Gutjahr, C., Sawers, R. J. H., Marti, G. et al. (2015). Transcriptome Diversity Among Rice Root Types During Asymbiosis and Interaction With Arbuscular Mycorrhizal Fungi. [Proceedings of the National Academy of Sciences of the United States of America](#), 112(21), 6754-6759.
- 106 Barany, I., Fabila-Monroy, R. & Vogtenhuber, B. (2015). (N,M)-Fold Covers of Spheres. [Proceedings of the Steklov Institute of Mathematics](#), 288(1), 203-208.
- 107 Renan, X., Trejo-Martinez, J., Caballero-Arango, D. & Brule, T. (2015). Growth Stanzas in an Epinephelidae-Lutjanidae Complex: Considerations to Length-Weight Relationships. [Revista De Biologia Tropical](#), 63(1), 175-187.
- 108 Thomas, I. H. L., Bautista, F., Ruiz, F. R. C., Delgado, M. D., Owen, P. Q., Aguilar, D. & Goguitchaichvili, A. (2015). Concentration of Toxic Elements in Topsoils of the Metropolitan Area of Mexico City: a Spatial Analysis Using Ordinary Kriging and Indicator Kriging. [Revista Internacional De Contaminacion Ambiental](#), 31(1), 47-62.
- 109 Serrano, D. A., Sanchez-Silva, F., Klapp, J. & Medina, A. (2015). The Hagen-Beverloo law for outflow of granular solids from holes on side walls. [Revista Mexicana de Fisica](#), 61, 207-210.
- 110 Guevara-Figueroa, T., Lopez-Hernandez, L., Lopez, M. G. et al. (2015). Conditioning Garlic "Seed" Cloves at Low Temperature Modifies Plant Growth, Sugar, Fructan Content, and Sucrose Sucrose Fructosyl Transferase (1-Sst) Expression. [Scientia Horticulturae](#), 189, 150-158.
- 111 Paz, B. C., Avila-Herrera, F., Cerdeira, A. & Pavanello, M. A. (2015). Double-Gate Junctionless Transistor Model Including Short-Channel Effects. [Semiconductor Science and Technology](#), 30(5), 055011.
- 112 Avila-Herrera, F., Cerdeira, A., Paz, B. C., Estrada, M., Iniguez, B. & Pavanello, M. A. (2015). Compact model for short-channel symmetric double-gate junctionless transistors. [Solid State Electronics](#), 111, 196-203.
- 113 Zeferino-Diaz, R., Hilario-Martinez, J. C., Rodriguez-Acosta, M., Sandoval-Ramirez, J. & Fernandez-Herrera, M. A. (2015). 22-Oxocholestanes as Plant Growth Promoters. [Steroids](#), 98, 126-131.
- 114 Athma, P. V., Martinez, A. I., Johns, N., Safeera, T. A., Reshmi, R. & Anila, E. I. (2015). Nanostructured zinc oxide thin film by simple vapor transport deposition. [Superlattices and Microstructures](#), 85, 379-384.
- 115 Chin-Chan, M., Segovia, J., Quintanar, L., Arcos-Lopez, T., Hersh, L. B., Chow, K. M., Rodgers, D. W. & Quintanilla-Vega, B. (2015). Mercury Reduces the Enzymatic Activity of Nephilysin in Differentiated Sh-Sy5y Cells. [Toxicological Sciences](#), 145(1), 128-137.
- 116 Jimenez-Garza, O., Baccarelli, A. A., Byun, H. M., Marquez-Gamino, S., Barron-Vivanco, B. S. & Albores, A. (2015). CYP2E1 epigenetic regulation in chronic, low-level toluene exposure: Relationship with oxidative stress and smoking habit. [Toxicology and Applied Pharmacology](#), 286(3), 207-215.

117 Cervantes-Salazar, M., Angel-Ambrocio, A. H., Soto-Acosta, R., Bautista-Carbajal, P., Hurtado-Monzon, A. M., Alcaraz-Estrada, S. L., Ludert, J. E. & Del Angel, R. M. (2015). Dengue virus NS1 protein interacts with the ribosomal protein RPL18: This interaction is required for viral translation and replication in Huh-7 cells. [Virology](#), 484, 113-126.

[ARTÍCULOS B] – ARTÍCULOS PUBLICADOS EN EXTENSO EN OTRAS REVISTAS ESPECIALIZADAS (INCLUIDO EL ÍNDICE DE REVISTAS MEXICANAS DE INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA)

118 Campos-Gonzalez, E., Guillen-Cervantes, A., Santoyo-Salazar, J. et al. (2015). Growth of CdO films from CdO₂ films by chemical bath deposition: influence of the concentration of cadmium precursor. [Superficies y Vacío](#), 28(1), 25-29.

119 Ibanez, F., Baltazar, A., Mijarez, R. & Aranda, J. (2015). Detection of Structural Damage in Multiwire Cables by Monitoring the Entropy Evolution of Wavelet Coefficients. [AIP Conference Proceedings](#), 1650, 1440-1447.

120 Rojas, E. & Baltazar, A. (2015). Structural Health Monitoring Method Based on the Entropy of an Ultrasonic Sensor Network for a Plate-Like Structure. [AIP Conference Proceedings](#), 1650, 1667-1676.

121 Trane, G., Mijarez, R., Guevara, R. & Baltazar, A. (2015). Pzt Guided Waves Sensor Permanently Attached on Multi-Wire Awg12 Cables Used as Communication Medium. [AIP Conference Proceedings](#), 1650, 631-639.

122 Yam-Puc, J. C., Garcia-Cordero, J., Calderon-Amador, J., Donis-Maturano, L., Cedillo-Barron, L. & Flores-Romo, L. (2015). Germinal Center Reaction Following Cutaneous Dengue Virus Infection in Immune-Competent Mice. [Frontiers in Immunology](#), 6, 188.

123 Martinez-Lopez, A. G., Cerdeira, A., Tinoco, J. C., Alvarado, J., Padron, W. Y., Mendoza, C. & Raskin, J. P. (2015). Rf Modeling of 40-Nm Soi Triple-Gate Finfet. [International Journal of Numerical Modelling-Electronic Networks Devices and Fields](#), 28(4), 465-478.

124 Cruz-Gandarilla, F., Salcedo-Garrido, A. M., Avalos, M., Bolmaro, R., Baudin, T., Cabanas-Moreno, J. G. & Dorantes-Rosales, H. J. (2015). Ebsd Characterization of an if Steel Processed by Accumulative Roll Bonding. [Iop Conference Series-Materials Science and Engineering](#), 82, 012077.

125 Diaz-Bautista, E. & Fernandez, D. J. (2015). Supersymmetric Harmonic Oscillator and Nonlinear Supercoherent States. [Journal of Physics-Conference Series](#), 597, 012031.

126 Fernandez, D. J. & Morales-Salgado, V. S. (2015). Factorization Method for the Truncated Harmonic Oscillator. [Journal of Physics-Conference Series](#), 597, 012035.

127 Adj, G., Menezes, A., Oliveira, T. & Rodriguez-Henriquez, F. (2015). Computing Discrete Logarithms in F-36.137 And F-36.163 Using Magma. [Lecture Notes in Computer Science](#), 9061, 3-22.

128 Garcia-Compean, H. & Manko, V. S. (2015). Are Known Maximal Extensions of the Kerr and Kerr-Newman Spacetimes Physically Meaningful and Analytic? [Progress of Theoretical and Experimental Physics](#), (4), 043E02.

129 Figueroa-Reina, T., Sanchez-Trujillo, D. J., Prias-Barragan, J. J., Ariza-Castolo, H., Pulzara, A. & Lopez-Lopez, M. (2015). Estudio del tiempo caracteristico de llenado de trampas en GaAs y en puntos cuanticos de InAs por medio del analisis de espectros de fotorreflectancia. [Superficies y Vacio](#), 28(1), 1-4.

130 Ibarra-Villegas, F. J., Ortega-Cisneros, S., Moreno-Villalobos, P., Sandoval-Ibarra, F., Del Valle-Padilla, J. L. & Raygoza-Panduro, J. J. (2015). Analysis of MEMS structures to identify their frequency response oriented to acoustic applications. [Superficies y Vacio](#), 28(1), 12-17.

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[ARTÍCULOS C] – ARTÍCULOS EN REVISTAS DE DIVULGACIÓN CIENTÍFICA Y/O TECNOLÓGICA

131 Torres-Hernandez, M., Lopez-Garcia, S., Pedroza-Escobar, D. & Escamilla-Tilch, M. (2015). El papel de la alexitimia como factor psicomatico en la psoriasis. [Revista Medica Del Instituto Mexicano Del Seguro Social](#), 53(3), 268-272.

132 Montecillos-Puente, M. A., Flores-Villavicencio, L. L., Barbosa-Sabanero, G., Meza, I. & Sabanero-Lopez, M. (2015). Forforilacion de macromoleculas y su participacion en procesos vitales. [Revista Naturaleza y Tecnologia](#), (6), 15-20.

[ARTÍCULOS E] – CARTAS AL EDITOR O COMENTARIOS PUBLICADOS EN REVISTAS INTERNACIONALES

133 Arroyo, R., Ochoa, T., Tai, J. H. & De La Garza, M. (2015). Iron and Parasites. [Biomed Research International](#), 2015, 291672.

134 Schnoor, M. (2015). E-Cadherin Is Important for the Maintenance of Intestinal Epithelial Homeostasis Under Basal and Inflammatory Conditions. [Digestive Diseases and Sciences](#), 60(4), 816-818.

135 Velumani, S. (2015). Editorial. [Materials Science in Semiconductor Processing](#), 37, 1-2.

136 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2015). Observation of the Rare B-S(0)->Mu(+)Mu(-) Decay From the Combined Analysis of Cms and Lhcb Data. [Nature](#), 522(7554), 68-U146.

ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

137 Labastida, A., Hernandez-Abreu, O., Rubio-Beltran, E., Rivera-Mancilla, E., Daugherty, B., Lederman, S., Maassenvandenbrink, A. & Villalon, C. M. (2015). Pharmacological Profile of the Tachycardic and Vasopressor Responses Produced by (S)-Isometheptene and (R)-Isometheptene in Pithed Rats. [Cephalalgia](#), 35, 26.

138 Cruz, R., Solis-Garcia, D., Miranda-Sanchez, M. & Kouri, J. B. (2015). Synovitis and Changes in the Expression of Synoviocytes Markers Cd68 and Cd55, During the Progression of Osteoarthritis in a Rat Model. [Osteoarthritis and Cartilage](#), 23, A261.

[ARTÍCULOS R (2.2)] – ARTÍCULOS DE REVISIÓN PUBLICADOS EN REVISTAS O LIBROS RECONOCIDOS

139 Arroyo, R., Cardenas-Guerra, R. E., Figueroa-Angulo, E. E., Puente-Rivera, J., Zamudio-Prieto, O. & Ortega-Lopez, J. (2015). Trichomonas Vaginalis Cysteine Proteinases: Iron Response in Gene Expression and Proteolytic Activity. [Biomed Research International](#), 2015, 946787.

140 Reyes-Lopez, M., Pina-Vazquez, C. & Serrano-Luna, J. (2015). Transferrin: Endocytosis and Cell Signaling in Parasitic Protozoa. [Biomed Research International](#), 2015, 641392.

141 Ronceret, A. & Vielle-Calzada, J. P. (2015). Meiosis, Unreduced Gametes, and Parthenogenesis: Implications for Engineering Clonal Seed Formation in Crops. [Plant Reproduction](#), 28(2), 91-102.

142 Villa-Ruano, N., Pacheco-Hernandez, Y., Lozoya-Gloria, E., Castro-Juarez, C. J., Mosso-Gonzalez, C. & Ramirez-Garcia, S. A. (2015). Cytochrome P450 from plants: platforms for valuable phytopharmaceuticals. [Tropical Journal of Pharmaceutical Research](#), 14(4), 731-742.

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