

ARTÍCULOS DEL MES DE ENERO DE 2014

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

- 1 Mena, J. E. T., Rodriguez, R. S., Jurado, V. Q., Espinosa, R. M., Yauner, L. D., Zajgla, J. M., Trevino, S. V. & Carreon, J. I. P. (2014). Laser Capture Microdissection After Gamma-Glutamyl Transferase Histochemistry: an Optimization for Gene Expression Analysis. [Analytical Biochemistry](#), 447, 126-132.
- 2 De La Cerda, H. E. C., Estrada, E. O., Poot, F. R. T. & Banik, S. D. (2014). Food Intake and Nutrition in Children 1-4 Years of Age in Yucatan, Mexico. [Annals of Human Biology](#), 41(1), 46-52.
- 3 Aguilar-Lopez, R., Neria-Gonzalez, M. I., Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Nonlinear estimation in a class of gene transcription process. [Applied Mathematics and Computation](#), 226, 131-144.
- 4 Diaz-Rojas, M., Aguilar-Chavez, A., Cardenas-Aquino, M. D., Ruiz-Valdiviezo, V. M., Hernandez-Valdez, E., Luna-Guido, M., Olalde-Portugal, V. & Dendooven, L. (2014). Effects of Wastewater Sludge, Urea and Charcoal on Greenhouse Gas Emissions in Pots Planted With Wheat. [Applied Soil Ecology](#), 73, 19-25.
- 5 Hernandez, M., Gasca-Leyva, E. & Milstein, A. (2014). Polyculture of Mixed-Sex and Male Populations of Nile Tilapia (*Oreochromis Niloticus*) With the Mayan Cichlid (*Cichlasoma Urophthalmus*). [Aquaculture](#), 418, 26-31.
- 6 Ramirez-Malagon, R., Delgado-Bernal, E., Borodanenko, A., Perez-Moreno, L., Barrera-Guerra, J. L., Nunez-Palenius, H. G. & Ochoa-Alejo, N. (2014). Air Layering and Tiny-Air Layering Techniques for Mesquite [*Prosopis Laevigata* (H. B. Ex Willd.) Johnst. M. C.] Tree Propagation. [Arid Land Research and Management](#), 28(1), 118-128.
- 7 Manrique-Maldonado, G., Gonzalez-Hernandez, A., Altamirano-Espinoza, A. H., Marichal-Cancino, B. A., Ruiz-Salinas, I. & Villalon, C. M. (2014). The Role of Pre-Junctional D-2-Like Receptors Mediating Quinpirole-Induced Inhibition of the Vasodepressor Sensory Cgrpergic Out-Flow in Pithed Rats. [Basic & Clinical Pharmacology & Toxicology](#), 114(2), 174-180.
- 8 Diaz-Bleis, D., Vales-Pinzon, C., Freile-Pelegrin, Y. & Alvarado-Gil, J. J. (2014). Thermal Characterization of Magnetically Aligned Carbonyl Iron/Agar Composites. [Carbohydrate Polymers](#), 99, 84-90.
- 9 Magana, J. J., Tapia-Guerrero, Y. S., Velazquez-Perez, L. et al. (2014). Analysis of Cag Repeats in Five Sca Loci in Mexican Population: Epidemiological Evidence of a Sca7 Founder Effect. [Clinical Genetics](#), 85(2), 159-165.
- 10 Xiong, F. R., Qin, Z. C., Xue, Y., Schutze, O., Ding, Q. & Sun, J. Q. (2014). Multi-Objective Optimal Design of Feedback Controls for Dynamical Systems With Hybrid Simple Cell Mapping Algorithm. [Communications in Nonlinear Science and Numerical Simulation](#), 19(5), 1465-1473.

- *11 Arellano-Aguilar, R., Burciaga-Diaz, O., Gorokhovskiy, A. & Escalante-Garcia, J. I. (2014). Geopolymer mortars based on a low grade metakaolin: Effects of the chemical composition, temperature and aggregate: binder ratio. [Construction and Building Materials](#), 50, 642-648.
- 12 Tobon, J. E., Gutierrez, R. E. C. & Ramirez, J. M. (2014). Voltage Collapse Detection Based on Local Measurements. [Electric Power Systems Research](#), 107, 77-84.
- 13 Hernandez-Paniagua, I. Y., Ramirez-Vargas, R., Ramos-Gomez, M. S., Dendooven, L., Avelar-Gonzalez, F. J. & Thalasso, F. (2014). Greenhouse Gas Emissions From Stabilization Ponds in Subtropical Climate. [Environmental Technology](#), 35(6), 727-734.
- 14 Rincon-Heredia, R., Flores-Benitez, D., Flores-Maldonado, C. et al. (2014). Ouabain Induces Endocytosis and Degradation of Tight Junction Proteins Through Erk1/2-Dependent Pathways. [Experimental Cell Research](#), 320(1), 108-118.
- 15 Leon-Cardenal, E., Ibadula, D. & Segers, D. (2014). Poles of the Igusa Local Zeta Function of Some Hybrid Polynomials. [Finite Fields and Their Applications](#), 25, 37-48.
- 16 Salas-Torres, J. C., Rzedowski-Calderon, M. & Villa-Salvador, G. (2014). A Combinatorial Proof of the Kronecker-Wedderburn Theorem in Positive Characteristic. [Finite Fields and Their Applications](#), 26, 144-161.
- 17 Lira-Ortiz, A. L., Resendiz-Vega, F., Rios-Leal, E., Contreras-Esquivel, J. C., Chavarria-Hernandez, N., Vargas-Torres, A. & Rodriguez-Hernandez, A. I. (2014). Pectins From Waste of Prickly Pear Fruits (*Opuntia Albicarpa* Scheinvar 'reyna'): Chemical and Rheological Properties. [Food Hydrocolloids](#), 37, 93-99.
- 18 Navarro-Noya, Y. E., Jimenez-Aguilar, A., Valenzuela-Encinas, C., Alcantara-Hernandez, R. J., Ruiz-Valdiviezo, V. M., Ponce-Mendoza, A., Luna-Guido, M., Marsch, R. & Dendooven, L. (2014). Bacterial Communities in Soil Under Moss and Lichen-Moss Crusts. [Geomicrobiology Journal](#), 31(2), 152-160.
- 19 Gonzalez-Valencia, R., Sepulveda-Jauregui, A., Martinez-Cruz, K., Hoyos-Santillan, J., Dendooven, L. & Thalasso, F. (2014). Methane Emissions From Mexican Freshwater Bodies: Correlations With Water Pollution. [Hydrobiologia](#), 721(1), 9-22.
- 20 Corrales-Mendoza, I. & Conde-Gallardo, A. (2014). Growth of *NdFeasO* Films by a Combination of Metal-Organic Chemical Vapor Deposition and Arsenic Diffusion Processes. [IEEE Transactions on Applied Superconductivity](#), 24(2), 7300106.
- 21 Di Gennaro, S., Dominguez, J. R. & Meza, M. A. (2014). Sensorless High Order Sliding Mode Control of Induction Motors With Core Loss. [IEEE Transactions on Industrial Electronics](#), 61(6), 2678-2689.
- *22 Garcia-Cordero, J., Carrillo-Halfon, S., Leon-Juarez, M. et al. (2014). Generation and Characterization of a Rat Monoclonal Antibody Against the Rna Polymerase Protein From Dengue Virus-2. [Immunological Investigations](#), 43(1), 28-40.

23 Soto-Padilla, M. Y., Valenzuela-Encinas, C., Dendooven, L., Marsch, R., Gortares-Moroyoqui, P. & Estrada-Alvarado, M. I. (2014). Isolation and Phylogenetic Identification of Soil Haloalkaliphilic Strains in the Former Texcoco Lake. [International Journal of Environmental Health Research](#), 24(1), 82-90.

24 Rubio, G. J., Canedo, J. M., Utkin, V. I. & Loukianov, A. G. (2014). Second Order Sliding Mode Block Control of Single-Phase Induction Motors. [International Journal of Robust and Nonlinear Control](#), 24(4), 682-698.

25 Sanchez-Mirafuentes, M. & Villa-Salvador, G. (2014). Radical Extensions for the Carlitz Module. [Journal of Algebra](#), 398, 284-302.

26 Gorokhovskiy, A. V., Tretyachenko, E. V., Escalante-Garcia, J. I., Yurkov, G. Y. & Goffman, V. G. (2014). Modified Amorphous Layered Titanates as Precursor Materials to Produce Heterostructured Nanopowders and Ceramic Nanocomposites. [Journal of Alloys and Compounds](#), 586, S494-S497.

27 Hernandez-Ramirez, A., Martinez-Luevanos, A., Fuentes, A. F., Nelson, A. G. D., Ewing, R. C. & Montemayor, S. M. (2014). Molten Salts Activated by High-Energy Milling: a Useful, Low-Temperature Route for the Synthesis of Multiferroic Compounds. [Journal of Alloys and Compounds](#), 584, 93-100.

28 Nunez, U. C., Eloirdi, R., Prieur, D., Martel, L., Honorato, E. L., Farnan, I., Vitova, T. & Somers, J. (2014). Structure of U₂C₃:Xrd, C-13 Nmr and Exafs Study. [Journal of Alloys and Compounds](#), 589, 234-239.

29 De Moure-Flores, F., Quinones-Galvan, J. G., Guillen-Cervantes, A. et al. (2014). Cdte Thin Films Grown by Pulsed Laser Deposition Using Powder as Target: Effect of Substrate Temperature. [Journal of Crystal Growth](#), 386, 27-31.

30 Contreras-Jimenez, B., Gaytan-Martinez, M., Figueroa-Cardenas, J. D., Avalos-Zuniga, R. A. & Morales-Sanchez, E. (2014). Effect of Steeping Time and Calcium Hydroxide Concentration on the Water Absorption and Pasting Profile of Corn Grits. [Journal of Food Engineering](#), 122, 72-77.

31 Balderas-Xicohtencatl, R., Martinez-Martinez, R., Rivera-Alvarez, Z., Santoyo-Salazar, J. & Falcony, C. (2014). Photo and Cathodoluminescence Characteristics of Dysprosium Doped Yttrium Oxide Nanoparticles Prepared by Polyol Method. [Journal of Luminescence](#), 146, 497-501.

32 Winkler, R. (2014). Massypup - an 'out of the Box' Solution for the Analysis of Mass Spectrometry Data. [Journal of Mass Spectrometry](#), 49(1), 37-42.

33 Aquino-Meneses, L., Lozada-Morales, R., Del Angel-Vicente, P., Percino-Picazo, J. C., Zelaya-Angel, O., Becerril, M., Carmona-Rodriguez, J., Rodriguez-Melgarejo, F. & Jimenez-Sandoval, S. (2014). Photoluminescence in Nd-Doped V₂O₅. [Journal of Materials Science](#), 49(5), 2298-2302.

34 Jimenez-Perez, V. M., Munoz-Flores, B. M., Gomez, A. et al. (2014). Synthesis, Structural Characterization, Cytotoxicity in Vitro, and Effect on Dna of Sulfate-Trans-Dichloro-Trans-Bis(Dimethylsulfoxide)-Trans-Dimethyl-Tin(IV). [Journal of Molecular Structure](#), 1058, 9-13.

35 Estrada-Montano, A. S., Leyva, M. A., Grande-Aztatzi, R., Vela, A. & Rosales-Hoz, M. J. (2014). The Reaction of $[\text{Fe}_3(\text{Co})_{12}]$ With Hc Csir_3 ($R = \text{Me, Ph}$) and Reactivity of $[\text{Hf}_3(\text{Co})_9(\text{Ccsime}_3)]$ With Amines. Theoretical Studies on Nmr H-1 and C-13 Chemical Shifts and Some Advances in the Theoretical Determinations of Pka in Cluster Compounds. [Journal of Organometallic Chemistry](#), 751, 420-429.

36 Colorado-Peralta, R., Guadarrama-Perez, C., Martinez-Chavando, L. A. et al. (2014). Structural Analyses of 2-Triorganylsilyl- and 2-Triorganylstannyl Derivatives of 5-Alkyl-[1,3,5]-Dithiazinanes. Do S Center Dot Center Dot Center Dot Si and S Center Dot Center Dot Center Dot Sn Interactions Exist? [Journal of Organometallic Chemistry](#), 751, 579-590.

37 Montes-Tolentino, P., Colorado-Peralta, R., Martinez-Chavando, L. A., Mijangos, E., Duarte-Hernandez, A. M., Suarez-Moreno, G. V., Contreras, R. & Flores-Parra, A. (2014). Synthesis and Structural Study of Bis-, Tris- and Tetra-[1,3,5]-Dithiazinanyl Silanes and Stannanes. [Journal of Organometallic Chemistry](#), 751, 591-603.

38 Borja-Arco, E., Jimenez-Sandoval, O., Magallon-Cacho, L. & Sebastian, P. J. (2014). Ruthenium Based Electrocatalysts for Hydrogen Oxidation, Prepared by a Microwave Assisted Method. [Journal of Power Sources](#), 246, 438-442.

39 Astey, L., Bahri, A., Bendersky, M., Cohen, F. R., Davis, D. M., Gitler, S., Mahowald, M., Ray, N. & Wood, R. (2014). The Ko^* -Rings of Btm, the Davis-Januskiewicz Spaces and Certain Toric Manifolds. [Journal of Pure and Applied Algebra](#), 218(2), 303-320.

40 Santos, O., Villafuerte, R. & Mondie, S. (2014). Robust Stabilization of Nonlinear Time Delay Systems: a Complete Type Functionals Approach. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 351(1), 207-224.

41 Rivera, J., Chavira, F., Loukianov, A., Ortega, S. & Raygoza, J. J. (2014). Discrete-Time Modeling and Control of a Boost Converter by Means of a Variational Integrator and Sliding Modes. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 351(1), 315-339.

42 Soltani, N., Nodooshan, H. R. J., Bahrami, A., Pech-Canul, M. I., Liu, W. C. & Wu, G. H. (2014). Effect of Hot Extrusion on Wear Properties of Al-15 Wt.% Mg₂Si in Situ Metal Matrix Composites. [Materials & Design](#), 53, 774-781.

43 Deaquino-Lara, R., Gutierrez-Castaneda, E., Estrada-Guel, I., Hinojosa-Ruiz, G., Garcia-Sanchez, E., Herrera-Ramirez, J. M., Perez-Bustamante, R. & Martinez-Sanchez, R. (2014). Structural Characterization of Aluminium Alloy 7075-Graphite Composites Fabricated by Mechanical Alloying and Hot Extrusion. [Materials & Design](#), 53, 1104-1111.

44 Cruz, M. P., Valdespino, D., Gervacio, J. J. et al. (2014). Piezoelectric and Ferroelectric Response Enhancement in Multiferroic YCrO₃ Films by Reduction in Thickness. [Materials Letters](#), 114, 148-151.

45 Morales, R., Somolinos, J. A. & Sira-Ramirez, H. (2014). Control of a Dc Motor Using Algebraic Derivative Estimation With Real Time Experiments. [Measurement](#), 47, 401-417.

46 Gomez-Villanueva, R., Linares-Y-Miranda, R., Tirado-Mendez, J. A. & Jardon-Aguilar, H. (2014). Very Broadband Pifa Antenna for Mobile Communications and Ultrawideband Services. [Microwave and Optical Technology Letters](#), 56(2), 313-316.

47 Recillas-Morales, S., Sanchez-Vega, L., Ochoa-Sanchez, N., Caballero-Floran, I., Paz-Bermedez, F., Silva, I., Aceves, J., Erlij, D. & Floran, B. (2014). L-type Ca²⁺ channel activity determines modulation of GABA release by dopamine in the substantia nigra reticulata and the globus pallidus of the rat. [Neuroscience](#), 256, 292-301.

48 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Muon Reconstruction and Identification With the Run II D0 Detector. [Nuclear Instruments & Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment](#), 737, 281-294.

49 Rivera-Guzman, N. E., Moreno-Casasola, P., Ibarra-Obando, S. E., Sosa, V. J. & Herrera-Silveira, J. (2014). Long term state of coastal lagoons in Veracruz, Mexico: Effects of land use changes in watersheds on seagrasses habitats. [Ocean & Coastal Management](#), 87, 30-39.

50 Ornelas-Tellez, F., Sanchez, E. N. & Loukianov, A. G. (2014). Inverse Optimal Control for Discrete-Time Nonlinear Systems Via Passivation. [Optimal Control Applications & Methods](#), 35(1), 110-126.

51 Echeverria-Rodriguez, O., Del Valle-Mondragon, L. & Hong, E. (2014). Angiotensin 1-7 Improves Insulin Sensitivity by Increasing Skeletal Muscle Glucose Uptake in Vivo. [Peptides](#), 51, 26-30.

52 Gonzalez-Mariscal, G. & Gallegos, J. A. (2014). The maintenance and termination of maternal behavior in rabbits: Involvement of suckling and progesterone. [Physiology & Behavior](#), 124, 72-76.

53 Alfaro-Fuentes, I., Lopez-Sandoval, H., Mijangos, E., Duarte-Hernandez, A. M., Rodriguez-Lopez, G., Bernal-Uruchurtu, M. I., Contreras, R., Flores-Parra, A. & Barba-Behrens, N. (2014). Metal Coordination Compounds Derived From Tinidazole and Transition Metals. Halogen and Oxygen Lone Pair...pi Interactions. [Polyhedron](#), 67, 373-380.

54 Lara-Gonzalez, S., Estrella-Hernandez, P., Ochoa-Leyva, A. et al. (2014). Structural and Thermodynamic Folding Characterization of Triosephosphate Isomerases From *Trichomonas vaginalis* Reveals the Role of Destabilizing Mutations Following Gene Duplication. [Proteins-Structure Function and Bioinformatics](#), 82(1), 22-33.

55 Gomez-Balderas, J. E., Salazar, S., Guerrero, J. A. & Lozano, R. (2014). Vision-Based Autonomous Hovering for a Miniature Quad-Rotor. [Robotica](#), 32(1), 43-61.

56 Treesatayapun, C. (2014). Adaptive Control Based on if-Then Rules for Grasping Force Regulation With Unknown Contact Mechanism. [Robotics and Computer-Integrated Manufacturing](#), 30(1), 11-18.

57 Goicochea, A. G., Mayoral, E., Klapp, J. & Pastorino, C. (2014). Nanotribology of Biopolymer Brushes in Aqueous Solution Using Dissipative Particle Dynamics Simulations: an Application to Peg Covered Liposomes in a Theta Solvent. [Soft Matter](#), 10(1), 166-174.

58 Camacho-Abrego, I., Tellez-Merlo, G., Melo, A. I., Rodriguez-Moreno, A., Garces, L., De Lacruz, F., Zamudio, S. & Flores, G. (2014). Rearrangement of the Dendritic Morphology of the Neurons From Prefrontal Cortex and Hippocampus After Subthalamic Lesion in Sprague-Dawley Rats. [Synapse](#), 68(3), 114-126.

59 Arreola-Jardon, G., Jimenez-Sandoval, S. & Mendoza-Galvan, A. (2014). Growth and Characterization of Cudteo Thin Films Sputtered From Cdte-Cuo Composite Targets. [Vacuum](#), 101, 130-135.

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

60 Diaz-Valle, A., Chavez-Calvillo, G. & Carrillo-Tripp, M. (2014). In silico binding free energy characterization of cowpea chlorotic mottle virus coat protein homodimer variants. [Advances in intelligent systems and computing](#), 232, 21-28.

61 Hernandez, I., Olivares-Galvan, J. C., Georgilakis, P. S. & Canedo, J. M. (2014). Core loss and excitation current model for wound core distribution transformers. [International Transactions on Electrical Energy Systems](#), 24(1), 30-42.

Última actualización: Marzo 25, 2014 10:27 a.m.

ARTÍCULOS DEL MES DE FEBRERO DE 2014

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

- 1 Lopez, R., Diaz, T., Garcia, G. et al. (2014). Fast Formation of Surface Oxidized Zn Nanorods and Urchin-Like Microclusters. [Advances in Materials Science and Engineering](#), 2014, 257494.
- *2 Berron-Ruiz, L., Lopez-Herrera, G., Vargas-Hernandez, A., Mogica-Martinez, D., Garcia-Latorre, E., Blancas-Galicia, L., Espinosa-Rosales, F. J. & Santos-Argumedo, L. (2014). Lymphocytes and B-cell abnormalities in patients with common variable immunodeficiency (CVID). [Allergologia Et Immunopathologia](#), 42(1), 35-43.
- 3 Santamaria, R. I., Bustos, P., Sepulveda-Robles, O. et al. (2014). Narrow-Host-Range Bacteriophages That Infect Rhizobium Etli Associate With Distinct Genomic Types. [Applied and Environmental Microbiology](#), 80(2), 446-454.
- 4 Caspeta, L., Caro-Bermudez, M. A., Ponce-Noyola, T. & Martinez, A. (2014). Enzymatic Hydrolysis at High-Solids Loadings for the Conversion of Agave Bagasse to Fuel Ethanol. [Applied Energy](#), 113, 277-286.
- 5 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Generalized synchronization via the differential primitive element. [Applied Mathematics and Computation](#), 232, 848-857.
- 6 Montes, E., Ceron, P., Montalvo, T. R., Guzman, J., Garcia-Hipolito, M., Soto-Guzman, A. B., Garcia-Salcedo, R. & Falcony, C. (2014). Thermoluminescent Characterization of Hfo2:Tb3+ Synthesized by Hydrothermal Route. [Applied Radiation and Isotopes](#), 83, 196-199.
- 7 Poot-Lopez, G. R., Hernandez, J. M. & Gasca-Leyva, E. (2014). Analysis of Ration Size in Nile Tilapia Production: Economics and Environmental Implications. [Aquaculture](#), 420, 198-205.
- 8 Mendoza-Aguayo, D. J., Poggi-Varaldo, H. M., Garcia-Mena, J., Ramos-Valdivia, A. C., Salgado, L. M., De La Torre-Martinez, M. & Ponce-Noyola, T. (2014). Extracellular Expression of Glucose Inhibition-Resistant Cellulomonas Flavigena Pn-120 Beta-Glucosidase by a Diploid Strain of Saccharomyces Cerevisiae. [Archives of Microbiology](#), 193(1), 25-33.
- 9 Klapp, J., Sigalotti, L. D., Zavala, M., Pena-Polo, F. & Troconis, J. (2014). Rotationally Induced Fragmentation in the Prestellar Core L1544. [Astrophysical Journal](#), 780(2), 188.
- 10 Marichal-Cancino, B. A., Altamirano-Espinoza, A. H., Manrique-Maldonado, G., Maassen Van Den Brink, A. & Villalon, C. M. (2014). Role of Pre-Junctional CB1, But not CB2, TRPV1 or GPR55 Receptors in Anandamide-Induced Inhibition of the Vasodepressor Sensory CGRPergic Outflow in Pithed Rats. [Basic & Clinical Pharmacology & Toxicology](#), 114(3), 240-247.
- 11 Robles-Molina, E., Dionisio-Vicuna, M., Guzman-Hernandez, M. L., Reyes-Cruz, G. & Vazquez-Prado, J. (2014). GBeta gamma interacts with mTOR and promotes its activation. [Biochemical and Biophysical Research Communications](#), 444(2), 218-223.

- 12 Esquivel-Rios, I., Ramirez-Vargas, R., Hernandez-Martinez, G. R., Vital-Jacome, M., Ordaz, A. & Thalasso, F. (2014). A microrespirometric method for the determination of stoichiometric and kinetic parameters of heterotrophic and autotrophic cultures. [Biochemical Engineering Journal](#), 83, 70-78.
- 13 Suarez-Sanchez, R., Aguilar, A., Wagstaff, K. M. et al. (2014). Nucleocytoplasmic shuttling of the Duchenne muscular dystrophy gene product dystrophin Dp71d is dependent on the importin alpha/Beta and CRM1 nuclear transporters and microtubule motor dynein. [Biochimica Et Biophysica Acta--Molecular Cell Research](#), 1843(5), 985-1001.
- 14 Martinez-Lopez, L. A., Ochoa-Alejo, N. & Martinez, O. (2014). Dynamics of the chili pepper transcriptome during fruit development. [BMC Genomics](#), 15(1), 143.
- 15 Espinosa-Soto, C., Immink, R. G., Angenent, G. C., Alvarez-Buylla, E. R. & De Folter, S. (2014). Tetramer formation in Arabidopsis MADS domain proteins: analysis of a protein-protein interaction network. [BMC Systems Biology](#), 8, 9.
- 16 Herrera Yanez, C., Hutnik, O. & Maximenko, E. A. (2014). Vertical symbols, Toeplitz operators on weighted Bergman spaces over the upper half-plane and very slowly oscillating functions. [Comptes Rendus Mathematique](#), 352(2), 129-132.
- 17 Aichholzer, O., Fabila-Monroy, R., Hackl, T., Huemer, C., Pilz, A. & Vogtenhuber, B. (2014). Lower bounds for the number of small convex k-holes. [Computational Geometry](#), 47(5), 605-613.
- 18 Alfaro, C. A., Aydin, B., Valencia, C. E., Bullitt, E. & Ladha, A. (2014). Dimension reduction in principal component analysis for trees. [Computational Statistics & Data Analysis](#), 74, 157-179.
- 19 Rios-Cabrera, R. & Tuytelaars, T. (2014). Boosting masked dominant orientation templates for efficient object detection. [Computer Vision and Image Understanding](#), 120, 103-116.
- 20 Garcia, R., Algreto-Badillo, I., Morales-Sandoval, M., Feregrino-Uribe, C. & Cumplido, R. (2014). A compact FPGA-based processor for the Secure Hash Algorithm SHA-256: 40th-year commemorative issue. [Computers and Electrical Engineering](#), 40(1), 194-202.
- 21 Alfaro, C. A. & Valencia, C. E. (2014). Graphs with two trivial critical ideals. [Discrete Applied Mathematics](#), 167, 33-44.
- *22 Mendoza, S. V., Harvey, C. A., Saenz, J. C. et al. (2014). Consistency in Bird Use of Tree Cover Across Tropical Agricultural Landscapes. [Ecological Applications](#), 24(1), 158-168.
- 23 Rendon-Ramirez, A. L., Maldonado-Vega, M., Quintanar-Escorza, M. A., Hernandez, G., Arevalo-Rivas, B. I., Zentella-Dehesa, A. & Calderon-Salinas, J. V. (2014). Effect of vitamin E and C supplementation on oxidative damage and total antioxidant capacity in lead-exposed workers. [Environmental Toxicology and Pharmacology](#), 37(1), 45-54.
- 24 Ornelas-Tellez, F., Sanchez, E. N., Loukianov, A. G. & Rico, J. J. (2014). Robust Inverse Optimal Control for Discrete-Time Nonlinear System Stabilization. [European Journal of Control](#), 20(1), 38-44.

25 Arauz, J., Zarco, N., Segovia, J., Shibayama, M., Tsutsumi, V. & Muriel, P. (2014). Caffeine Prevents Experimental Liver Fibrosis by Blocking the Expression of Tgf-Beta. [European Journal of Gastroenterology & Hepatology](#), 26(2), 164-173.

26 Carballo-Villalobos, A. I., Gonzalez-Trujano, M. E. & Lopez-Munoz, F. J. (2014). Evidence of mechanism of action of anti-inflammatory/antinociceptive activities of acetaminophen. [European Journal of Pain](#), 18(3), 396-405.

27 Candalija, A., Cubi, R., Ortega, A., Aguilera, J. & Gil, C. (2014). Trk Receptors Need Neutral Sphingomyelinase Activity to Promote Cell Viability. [Febs Letters](#), 588(1), 167-174.

28 Shahbazi, M., Jimenez, P., Martinez, L. A. & Carruth, L. L. (2014). Effects of housing condition and early corticosterone treatment on learned features of song in adult male zebra finches. [Hormones and Behavior](#), 66(3), 226-237.

29 Mendez-Enriquez, E., Medina-Tamayo, J., Garcia-Zepeda, E. A., Soldevila, G., Fortoul, T. I., Anton, B. & Flores-Romo, L. (2014). A CCL chemokine-derived peptide (CDIP-2) exerts anti-inflammatory activity via CCR1, CCR2 and CCR3 chemokine receptors: Implications as a potential therapeutic treatment of asthma. [International Immunopharmacology](#), 20(1), 1-11.

30 Hernandez-Moreno, A. V., Villasenor, F., Medina-Rivero, E., Perez, N. O., Flores-Ortiz, L. F., Saab-Rincon, G. & Luna-Barcenas. (2014). Kinetics and conformational stability studies of recombinant leucine aminopeptidase. [International Journal of Biological Macromolecules](#), 64, 306-312.

31 Castillo-Atoche, A., Vega-Lizama, E. T., Maldonado-Lopez, L., Castro-Borges, P. & Diaz-Ballote, L. (2014). Use of Current and Potential Fluctuations Among Identical Electrodes to Determine the Induction Time of the Transesterification Reaction. [International Journal of Electrochemical Science](#), 9(1), 249-256.

32 Sanchez-Madrigal, M. A., Melendez-Pizarro, C. O., Martinez-Bustos, F., Ruiz-Gutierrez, M. G., Quintero-Ramos, A., Marquez-Melendez, R., Lardizabal-Gutierrez, D. & Campos-Venegas, K. (2014). Structural, Functional, Thermal and Rheological Properties of Nixtamalised and Extruded Blue Maize (*Zea Mays* L.) Flour With Different Calcium Sources. [International Journal of Food Science and Technology](#), 49(2), 578-586.

*33 Gurubel, K. J., Alanis, A. Y., Sanchez, E. N. & Carlos-Hernandez, S. (2014). A Neural Observer With Time-Varying Learning Rate: Analysis and Applications. [International Journal of Neural Systems](#), 24(1), 1450011.

*34 Perez-Garmendia, R., Hernandez-Zimbron, L. F., Morales, M. A. et al. (2014). Identification of N-Terminally Truncated Pyroglutamate Amyloid-Beta in Cholesterol-Enriched Diet-Fed Rabbit and AD Brain. [Journal of Alzheimer's Disease](#), 39(2), 441-55.

35 Boucard, A. A., Maxeiner, S. & Sudhof, T. C. (2014). Latrophilins Function as Heterophilic Cell-Adhesion Molecules by Binding to Tenascin Regulation by Alternative Splicing. [Journal of Biological Chemistry](#), 289(1), 387-402.

- 36 Garnica-Palafox, I. M., Sanchez-Arevalo, F. M., Velasquillo, C., Garcia-Carvajal, Z. Y., Garcia-Lopez, J., Ortega-Sanchez, C., Ibarra, C., Luna-Barcenas, G. & Solis-Arrieta, L. (2014). Mechanical and Structural Response of a Hybrid Hydrogel Based on Chitosan and Poly(Vinyl Alcohol) Cross-Linked With Epichlorohydrin for Potential Use in Tissue Engineering. [Journal of Biomaterials Science-Polymer Edition](#), 25(1), 32-50.
- 37 Muniasamy, G. & Perez-Guevara, F. (2014). Use of SNAREs for the immobilization of poly-3-hydroxyalkanoate polymerase type II of *Pseudomonas putida* CA-3 in secretory vesicles of *Saccharomyces cerevisiae* ATCC 9763. [Journal of Biotechnology](#), 172, 77-9.
- 38 Gold-Bouchot, G., Ceja-Moreno, V., Chan-Cocom, E. & Zapata-Perez, O. (2014). Petroleum Hydrocarbons, Fluorescent Aromatic Compounds in Fish Bile and Organochlorine Pesticides From Areas Surrounding the Spill of the Kab121 Well, in the Southern Gulf of Mexico: a Case Study. [Journal of Environmental Biology](#), 35(1), 147-156.
- 39 Vidal-Martinez, V. M., Aguirre-Macedo, M. L., May-Tec, A. L., Pal, P. & Lewis, J. W. (2014). Temporal variation in the dispersion patterns of metazoan parasites of a coastal fish species from the Gulf of Mexico. [Journal of Helminthology](#), 88(1), 112-22.
- 40 Ramirez-Rodriguez, H., Parra-Vega, V., Sanchez-Orta, A. & Garcia-Salazar, O. (2014). Robust Backstepping Control Based on Integral Sliding Modes for Tracking of Quadrotors. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 51-66.
- 41 Guadarrama-Olvera, J. R., Corona-Sanchez, J. J. & Rodriguez-Cortes, H. (2014). Hard Real-Time Implementation of a Nonlinear Controller for the Quadrotor Helicopter. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 81-97.
- 42 Benitez-Morales, J. G., Rodriguez-Cortes, H. & Castro-Linares, R. (2014). A New Nonlinear Controller for Trajectory Tracking of the Longitudinal Dynamics of a Small Scale Helicopter. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 99-121.
- 43 Gonzalez, I., Salazar, S. & Lozano, R. (2014). Chattering-Free Sliding Mode Altitude Control for a Quad-Rotor Aircraft: Real-Time Application. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 137-155.
- 44 Munoz-Vazquez, A. J., Parra-Vega, V. & Sanchez, A. (2014). A Passive Velocity Field Control for Navigation of Quadrotors With Model-Free Integral Sliding Modes. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 373-385.
- 45 Aguilar-Sierra, H., Flores, G., Salazar, S. & Lozano, R. (2014). Fault Estimation for a Quad-Rotor Mav Using a Polynomial Observer. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 455-468.
- 46 Espinoza, E. S., Garcia, O., Lugo, I., Ordaz, P., Malo, A. & Lozano, R. (2014). Modeling and Sliding Mode Control of a Micro Helicopter-Airplane System. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 469-486.

- 47 Brezoescu, A., Castillo, P. & Lozano, R. (2014). Wind Estimation for Accurate Airplane Path Following Applications. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 823-831.
- 48 Romero-Tepal, E. M., Contreras-Blancas, E., Navarro-Noya, Y. E., Ruiz-Valdiviezo, V. M., Luna-Guido, M., Gutierrez-Miceli, F. A. & Dendooven, L. (2014). Changes in the Bacterial Community Structure in Stored Wormbed Leachate. [Journal of Molecular Microbiology and Biotechnology](#), 24(2), 105-113.
- 49 Lozada-Morales, R., Aquino-Meneses, L., Lopez-Calzada, G. et al. (2014). Studies of phase formation from the ZnO-CdO-V2O5 ternary system. [Journal of Non-Crystalline Solids](#), 386(0), 39-45.
- 50 Jimenez, C. C., Farfan, N., Romero-Avila, M. et al. (2014). Synthesis and chemical-optical characterization of novel two-photon fluorescent borinates derived from Schiff bases. [Journal of Organometallic Chemistry](#), 755, 33-40.
- 51 Pan, S., Moreno, D., Cabellos, J. L., Romero, J., Reyes, A., Merino, G. & Chattaraj, P. K. (2014). In Quest of Strong Be-Ng Bonds Among the Neutral Ng-Be Complexes. [Journal of Physical Chemistry A](#), 118(2), 487-494.
- 52 Fernandez, D. J. & Morales-Salgado, V. S. (2014). Supersymmetric Partners of the Harmonic Oscillator With an Infinite Potential Barrier. [Journal of Physics A-Mathematical and Theoretical](#), 47(3), 035304.
- 53 Suarez-Gonzalez, E. M., Lopez, M. G., Delano-Frier, J. P. & Gomez-Leyva, J. F. (2014). Expression of the 1-SST and 1-FFT genes and consequent fructan accumulation in *Agave tequilana* and *A. inaequidens* is differentially induced by diverse (a)biotic-stress related elicitors. [Journal of Plant Physiology](#), 171(3-4), 359-372.
- 54 Ponce-Flores, H. & Conde-Gallardo, A. (2014). Influence of the Oxygen Excess in the Synthesis of NdFeAsO_{1-x}F_x Superconductors. [Journal of Superconductivity and Novel Magnetism](#), 27(3), 673-679.
- 55 Rojas-Montes, J. C., Perez-Garibay, R. & Uribe-Salas, A. (2014). The effects of an anionic membrane on the electrodeposition of manganese ions: a kinetic and statistical study. [Journal of the Electrochemical Society](#), 161(1), D67-D72.
- 56 Harilal, M., Manikantan-Nair, V., Wariar, P. R. S., Padmasree, K. P., Yusoff, M. M. & Rajan, J. (2014). Electrical and optical properties of NdAlO₃ synthesized by an optimized combustion process. [Materials Characterization](#), 90, 7-12.
- 57 Maczka, M., Bednarkiewicz, A., Mendoza-Mendoza, E., Fuentes, A. F. & Kepinski, L. (2014). Low-temperature synthesis, phonon and luminescence properties of Eu doped Y₃Al₅O₁₂ (YAG) nanopowders. [Materials Chemistry and Physics](#), 143(3), 1039-1047.
- 58 VillaVelazquez-Mendoza, C. I., Rodriguez-Mendoza, J. L., Hodgkins, R. P., Ibarra-Galvan, V., Leal-Cruz, A. L., Lopez-Valdivieso, A. & Pech-Canul, M. I. (2014). Novel sea-urchin-like rutile

microstructures synthesized by the thermal decomposition and oxidation of K₂TiF₆. [Materials Letters](#), 121, 191-193.

59 Carrera-Jota, M. L., Garcia-Murillo, A., Carrillo-Romo, F., Garcia-Hernandez, M., Morales Ramirez, A. J., Velumani, S., De la Rosa-Cruz, E. & Kassiba, A. (2014). Lu₂O₃:Eu³⁺ glass ceramic films: Synthesis, structural and spectroscopic studies. [Materials Research Bulletin](#), 51, 418-425.

60 Gonzalez-Villanueva, L., Arvizu-Gomez, J. L., Hernandez-Morales, A., Aguilera-Aguirre, S. & Alvarez-Morales, A. (2014). The PhtL protein of *Pseudomonas syringae* pv. phaseolicola NPS3121 affects the expression of both phaseolotoxin cluster (Pht) and Non-Pht encoded genes. [Microbiological Research](#), 169(2-3), 221-231.

61 De Melo, C., Larramendi, S., Torres-Costa, V., Santoyo-Salazar, J., Behar, M., Ferraz Dias, J. & De Melo, O. (2014). Enhanced ZnTe infiltration in porous silicon by Isothermal Close Space Sublimation. [Microporous and Mesoporous Materials](#), 188, 93-98.

62 Davila-Pulido, G. I. & Uribe-Salas, A. (2014). Effect of Calcium, Sulphate and Gypsum on Copper-Activated and Non-Activated Sphalerite Surface Properties. [Minerals Engineering](#), 55, 147-153.

63 Perez-Garibay, R., Ramirez-Aguilera, N., Bouchard, J. & Rubio, J. (2014). Froth flotation of sphalerite: Collector concentration, gas dispersion and particle size effects. [Minerals Engineering](#), 57, 72-78.

64 Estrada-Capetillo, B. L., Rodriguez-Pinal, C. J., Reynaga-Hernandez, E., Corral-Fernandez, N. E., Ortiz-Perez, M. D., Salgado-Bustamante, M., Calderon-Aranda, E., Gonzalez-Amaro, R. & Portales-Perez, D. P. (2014). Arsenic and fluoride co-exposure affects the expression of apoptotic and inflammatory genes and proteins in mononuclear cells from children. [Mutation Research-Genetic Toxicology and Environmental Mutagenesis](#), 761, 27-34.

65 Chairez, I. (2014). Finite time convergent learning law for continuous neural networks. [Neural Networks](#), 50, 175-82.

66 Martinez, D., Garcia, L., Aguilera, J. & Ortega, A. (2014). An Acute Glutamate Exposure Induces Long-Term Down Regulation of Glut/Eaat1 Uptake Activity in Cultured Bergmann Glia Cells. [Neurochemical Research](#), 39(1), 142-149.

67 Osorio-Espinoza, A., Escamilla-Sanchez, J., Aquino-Jarquín, G. & Arias-Montano, J. A. (2014). Homologous Desensitization of Human Histamine H₃ Receptors Expressed in CHO-K1 Cells. [Neuropharmacology](#), 77, 387-397.

68 Gomez, M. L., Martinez-Mota, L., Estrada-Camarena, E. & Fernandez-Guasti, A. (2014). Influence of the brain sexual differentiation process on despair and antidepressant-like effect of fluoxetine in the rat forced swim test. [Neuroscience](#), 261, 11-22.

69 Jimenez-Sanchez, A., Rodriguez, M., Metivier, R., Ramos-Ortiz, G., Maldonado, J. L., Reboles, N., Farfan, N., Nakatani, K. & Santillan, R. (2014). Synthesis and Crystal Structures of a Series of

Schiff Bases: a Photo-, Solvato- and Acidochromic Compound. [New Journal of Chemistry](#), 38(2), 730-738.

70 Maldonado-Dominguez, M., Arcos-Ramos, R., Romero, M., Flores-Perez, B., Farfan, N., Santillan, R., Lacroix, P. G. & Malfant, I. (2014). The Amide Bridge in Donor-Acceptor Systems: Delocalization Depends on Push-Pull Stress. [New Journal of Chemistry](#), 38(1), 260-268.

71 Rojas-Saenz, H., Suarez-Moreno, G. V., Ramos-Garcia, I., Duarte-Hernandez, A. M., Mijangos, E., Pena-Hueso, A., Contreras, R. & Flores-Parra, A. (2014). 1,4-Dialkyl-1,4-Diazabutadienes: Their Reactions With Aluminum and Indium Halides. [New Journal of Chemistry](#), 38(1), 391-405.

72 Ferra-Gonzalez, S. R., Berman-Mendoza, D., Garcia-Gutierrez, R., Castillo, S. J., Ramirez-Bon, R., Gnade, B. E. & Quevedo-Lopez, M. A. (2014). Optical and Structural Properties of Cds Thin Films Grown by Chemical Bath Deposition Doped With Ag by Ion Exchange. [Optik](#), 125(4), 1533-1536.

73 Cruz, J. I. D., Juarez-Saavedra, P., Paz-Michel, B., Leyva-Ramirez, M. A., Rajapakshe, A., Vannucci, A. K., Lichtenberger, D. L. & Paz-Sandoval, M. A. (2014). Phosphine-Substituted (Eta(5)-Pentadienyl) Manganese Carbonyl Complexes: Geometric Structures, Electronic Structures, and Energetic Properties of the Associative Substitution Mechanism, Including Isolation of the Slipped Eta(3)-Pentadienyl Associative Intermediate. [Organometallics](#), 33(1), 278-288.

74 Machucho-Cadena, R., Rivera-Rovelo, J. & Bayro-Corrochano, E. (2014). Geometric techniques for 3D tracking of ultrasound sensor, tumor segmentation in ultrasound images, and 3D reconstruction. [Pattern Recognition](#), 47(5), 1968-1987.

75 Alvarez-Martinez, R., Cocho, G., Rodriguez, R. F. & Martinez-Mekler, G. (2014). Birth and death master equation for the evolution of complex networks. [Physica A-Statistical Mechanics and Its Applications](#), 402, 198-208.

76 Barbero, C., Lopez Castro, G. & Mariano, A. (2014). One pion production in neutrino-nucleon scattering and the different parameterizations of the weak $N \rightarrow \Delta$ vertex. [Physics Letters B](#), 728, 282-287.

77 Calderon-Perez, B., Xoconostle-Cazares, B., Lira-Carmona, R., Hernandez-Rivas, R., Ortega-Lopez, J. & Ruiz-Medrano, R. (2014). The Plasmodium Falciparum Translationally Controlled Tumor Protein (Tctp) Is Incorporated More Efficiently Into B Cells Than Its Human Homologue. [Plos One](#), 9(1), e85514.

78 Ambriz-Pena, X., Garcia-Zepeda, E. A., Soldevila, G. & Meza, I. (2014). Jak3 enables chemokine-dependent actin cytoskeleton reorganization by regulating cofilin and rac/rhoa GTPases activation. [PloS One](#), 9(2), e88014.

79 Ha, C. V., Leyva-Gonzalez, M. A., Osakabe, Y. et al. (2014). Positive Regulatory Role of Strigolactone in Plant Responses to Drought and Salt Stress. [Proceedings of the National Academy of Sciences of the United States of America](#), 111(2), 851-856.

80 Gasca, R. & Loman-Ramos, L. (2014). Biodiversity of Medusozoa (Cubozoa, Scyphozoa and Hydrozoa) in Mexico. [Revista Mexicana De Biodiversidad](#), 85, S154-S163.

81 Becerril, M., Silva-Lopez, H., Guillen-Cervantes, A. & Zelaya-Angel, O. (2014). Aluminum-Doped ZnO Polycrystalline Films Prepared by Co-Sputtering of a Zn-Al Target. [Revista Mexicana De Fisica](#), 60(1), 27-31.

82 Camargo-Martinez, J. A., Espitia, D. & Baquero, R. (2014). First-Principles Study of Electronic Structure of Bi₂Sr₂Ca₂Cu₃O₁₀. [Revista Mexicana De Fisica](#), 60(1), 39-45.

83 Guevara-Pantoja, F. J., Gomez-Galvan, F., Cipriano, I. E., Mercado-Uribe, H. & Ruiz-Suarez, J. C. (2014). Microrheology and electrical conductivity of a dilute PNIPAM suspension. [Rheologica Acta](#), 53(2), 159-164.

84 Aguilar-Lopez, R., Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Multisynchronization of Chaotic Oscillators Via Nonlinear Observer Approach. [Scientific World Journal](#), 2014, 935163.

85 Collazo-Reyes, F. (2014). Growth of the Number of Indexed Journals of Latin America and the Caribbean: the Effect on the Impact of Each Country. [Scientometrics](#), 98(1), 197-209.

86 Acosta-Cota, S. J., Sanchez-Lopez, A., Molina-Munoz, T., Gomez-Viquez, N. L. & Centurion, D. (2014). Evidence that chronic administration of 17Beta-oestradiol decreases the vasopressor responses to adrenergic system stimulation in streptozotocin-diabetic female rats. [Steroids](#), 83, 1-9.

87 Soto-Castro, D., Magana-Vergara, N. E., Farfan, N. & Santillan, R. (2014). Synthesis of steroidal dendrimers modified by 'click' chemistry with PAMAM dendrons as unimolecular micelles. [Tetrahedron Letters](#), 55(5), 1014-1019.

88 Lopez-Vera, E. E., Nelson, S., Singh, R. P. et al. (2014). Resistance to Stem Rust Ug99 in Six Bread Wheat Cultivars Maps to Chromosome 6ds. [Theoretical and Applied Genetics](#), 127(1), 231-239.

89 Hernandez-Valdes, A., Zarate, R. A., Martinez, A. I., Pech-Canul, M. I., Garcia-Lobato, M. A. & Villaroel, R. (2014). The role of solvents on the physical properties of sprayed iron oxide films. [Vacuum](#), 105, 26-32.

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

90 Cisneros-Mejorado, A., Hernandez-Soberanis, L., Islas-Carbajal, M. C. & Sanchez, D. (2014). Capacitation and Ca²⁺ Influx in Spermatozoa: Role of Cng Channels and Protein Kinase G. [Andrology](#), 2(1), 145-154.

- 91 Meza-Rocha, A. N., Zaleta-Alejandre, E., Cabanas-Moreno, J. G., Gallardo-Hernandez, S., Rivera-Alvarez, Z., Aguilar-Frutis, M. & Falcony, C. (2014). Characterization of lanthanum-aluminum oxide thin films deposited by spray pyrolysis. [ECS Journal of Solid State Science and Technology](#), 3(2), N1-N6.
- 92 Albor-Aguilera, M. L., Flores-Marquez, J. M., Gonzalez-Trujillo, M. A., Matsumoto-Kuwahara, Y., Rueda-Morales, G. & Vigil-Galan, O. (2014). Influence of CdS Thin Films Growth Related with the Substrate Properties and Conditions Used on CBD Technique. [Energy Procedia](#), 44, 111-117.
- 93 Gutierrez, R. M. P., Ahuatzzi, D. M., Horcacitas, M. D. C., Baez, E. G., Victoria, T. C. & Mota-Flores, J. M. (2014). Ameliorative Effect of Hexane Extract of Phalaris Canariensis on High Fat Diet-Induced Obese and Streptozotocin-Induced Diabetic Mice. [Evidence-Based Complementary and Alternative Medicine](#), 2014, 145901.
- 94 Hernandez-Almanza, A., Montanez, J. C., Aguilar-Gonzalez, M. A., Martinez-Avila, C., Rodriguez-Herrera, R. & Aguilar, C. N. (2014). Rhodotorula glutinis as source of pigments and metabolites for food industry. [Food Bioscience](#), 5, 64-72.
- 95 Datta-Banik, S. (2014). Inbreeding effects on palmar dermatoglyphic characters in three endogamous social groups of West Bengal, India. [Homo-Journal of Comparative Human Biology](#), 65(1), 75-83.
- 96 Lopez-Sauri, D. A., Veleva, L. & Perez, G. (2014). Analysis of nonlinear galvanostatic oscillations in Ag-Cd alloys electrodeposition. [International Journal of Electrochemical Science](#), 9(3), 1102-1116.
- 97 Quiroz-Gonzalez, S., Segura-Alegria, B., Guadarrama-Olmos, J. C. & Jimenez-Estrada, I. (2014). Cord dorsum potentials evoked by electroacupuncture applied to the hind limbs of rats. [Journal of Acupuncture and Meridian Studies](#), 7(1), 25-32.
- 98 Elyukhin, V. A. (2014). The (0001)A surface phase diagram. [Physica Status Solidi C: Current Topics in Solid State Physics](#), 11(2), 244-248.

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

- 99 Heil, M., Barajas-Barron, A., Orona-Tamayo, D., Wielsch, N. & Svatos, A. (2014). Partner Manipulation Stabilises a Horizontally Transmitted Mutualism. [Ecology Letters](#), 17(2), 185-192.
- 100 Gonzalez-Mariscal, G., Gonzalez-Flores, O. & Komisaruk, B. R. (2014). In Memoriam: Carlos Beyer, Ph.d. (Mexico City, February 25, 1934-Mexico City, October 22, 2013). [Hormones and Behavior](#), 65(1), 40-41.
- 101 Estrada-Alvarez, C. D., Lopez-Sanchez, E., Perez-Angel, G., Gonzalez-Mozuelos, P., Mendez-Alcaraz, J. M. & Castaneda-Priego, R. (2014). Note: Depletion Potentials in Non-Additive Asymmetric Binary Mixtures of Hard-Spheres. [Journal of Chemical Physics](#), 140(2), 026101.

102 Sanchez-Cabrera, G., Zuno-Cruz, F. J., Lopez-Ruiz, H., Rosales-Hoz, M. J., Leyva, M. A. & Rodriguez, J. A. (2014). The Synthesis and Structural Characterization of C-3 Symmetry "Star-Like" Cluster $[Os_3(\mu-H)(Co)_{10}]_3[1,3,5-(\mu-Sch)_2]_3C_6H_3$. [Journal of Organometallic Chemistry](#), 751, 826-829.

103 Lesage, J. J. & Lopez-Mellado, E. (2014). Special section on the IFAC Workshop on Discrete Event Systems-WODES'12. [Nonlinear Analysis-Hybrid Systems](#), 12, 2.

104 Cortes-Malagon, E. M., Bonilla-Delgado, J., Diaz-Chavez, J. et al. (2014). Corrigendum to "Gene expression profile regulated by the HPV16 E7 oncoprotein and estradiol in cervical tissue" [Virology 447 (2013) 155-165]. [Virology](#), 450-451, 1.

10

ARTÍCULOS G – RESÚMENES PUBLICADOS EN REVISTAS

105 Favela-Rosales, F., Carbajal-Tinoco, M. D. & Ortega-Blake, I. (2014). Liquid-Ordered Phase Formation in Cholesterol-Popc Bilayers: All-Atom Molecular Dynamics Simulations. [Biophysical Journal](#), 106(2, Supplement 1), 80a.

106 Villada-Balbuena, M., Taxilaga-Zetina, O. & Carbajal-Tinoco, M. D. (2014). Predicting the 3D Secondary Structure of RNA Molecules. [Biophysical Journal](#), 106(2, Supplement 1), 283a.

107 Miranda-Saturnino, M. J., De Alba-Aguayo, D. R., Mercado-Morales, M., Guerrero-Hernandez, A. & Rueda, A. (2014). Increased Serca Pump Expression is Associated with Slow Termination of Calcium Sparks and Delayed Local Recovery in Vascular Smooth Muscle Cells of Hyperthyroid Rats. [Biophysical Journal](#), 106(2, Supplement 1), 321a.

108 Jimenez-Vazquez, E. N., Arias, J. M. & Garcia, U. (2014). Molecular Cloning of a GABA Receptor Subunit from Crayfish and Voltage-Clamp Analysis of Homo-Oligomeric Receptor Expressed in Hek Cells. [Biophysical Journal](#), 106(2, Supplement 1), 547a.

109 Cuaxospa, M., Fiorentino, R. & Garcia, U. (2014). Acute Effects of Beta-Amyloid (1-42) Oligomers on Rat Pyramidal Entorhinal Neurons. [Biophysical Journal](#), 106(2, Supplement 1), 548a.

110 Sierra-Valdez, F. J. & Ruiz-Suarez, J. C. (2014). Physical Aspects of the Cut-Off Effect of N-Alcohols in Pure Lipid Membranes. [Biophysical Journal](#), 106(2, Supplement 1), 702a.

*111 Cruz-Hurtado, M., Lopez-Gonzalez, M. L., Escobar-Wilches, D. C. & Sierra-Santoyo, A. (2014). Urinary Metabolic Pattern of Vinclozolin in Adult Male Rat. [Drug Metabolism Reviews](#), 45, 52-53.

*112 Torres, N. A., Acosta, L., Luna, A. L. & Calderon, E. S. (2014). Effect of P, P-Dde on Proliferation and Differentiation of Promyelocytic Cells HL-60. [Drug Metabolism Reviews](#), 45, 235.

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

113 Sanchez-Cabrera, G., Zuno-Cruz, F. J. & Rosales-Hoz, M. J. (2014). Reactivity of Alkyne-Substituted Transition Metal Clusters: an Overview. [Journal of Cluster Science](#), 25(1), 51-82.

114 Gonzalez-Arenas, A., Pina-Medina, A. G., Gonzalez-Flores, O., Galvan-Rosas, A., Gomora-Arrati, P. & Camacho-Arroyo, I. (2014). Sex Hormones and Expression Pattern of Cytoskeletal Proteins in the Rat Brain Throughout Pregnancy. [Journal of Steroid Biochemistry and Molecular Biology](#), 139, 154-158.

115 Luque-Contreras, D., Carvajal, K., Toral-Rios, D., Franco-Bocanegra, D. & Campos-Pena, V. (2014). Oxidative Stress and Metabolic Syndrome: Cause or Consequence of Alzheimer's Disease? [Oxidative Medicine and Cellular Longevity](#), 2014, 497802.

116 Guzman, P. (2014). Atls and Btls, Plant-Specific and General Eukaryotic Structurally-Related E3 Ubiquitin Ligases. [Plant Science](#), 215, 69-75.

ARTÍCULOS DEL MES DE MARZO DE 2014

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

- 1 Franco-Robles, E., Campos-Cervantes, A., Murillo-Ortiz, B. O., Segovia, J., Lopez-Briones, S., Vergara, P., Perez-Vazquez, V., Solis-Ortiz, M. S. & Ramirez-Emiliano, J. (2014). Effects of Curcumin on Brain-Derived Neurotrophic Factor Levels and Oxidative Damage in Obesity and Diabetes. [Applied Physiology Nutrition and Metabolism-Physiologie Appliquee Nutrition Et Metabolisme](#), 39(2), 211-218.
- 2 Monroy-Garcia, A., Gomez-Lim, M. A., Weiss-Steider, B., Hernandez-Montes, J., Huerta-Yepe, S., Rangel-Santiago, J. F., Santiago-Osorio, E. & Garcia, M. D. M. (2014). Immunization With an Hpv-16 L1-Based Chimeric Virus-Like Particle Containing Hpv-16 E6 and E7 Epitopes Elicits Long-Lasting Prophylactic and Therapeutic Efficacy in an Hpv-16 Tumor Mice Model. [Archives of Virology](#), 159(2), 291-305.
- 3 Alho, M. A. M., Marrero-Ponce, Y., Barigye, S. J. et al. (2014). Antiprotozoan Lead Discovery by Aligning Dry and Wet Screening: Prediction, Synthesis, and Biological Assay of Novel Quinoxalinones. [Bioorganic & Medicinal Chemistry](#), 22(5), 1568-1585.
- 4 Zoidis, G., Sandoval, A., Pineda-Farias, J. B., Granados-Soto, V. & Felix, R. (2014). Anti-allodynic effect of 2-(aminomethyl)adamantane-1-carboxylic acid in a rat model of neuropathic pain: A mechanism dependent on CaV2.2 channel inhibition. [Bioorganic & Medicinal Chemistry](#), 22(6), 1797-1803.
- 5 Alatorre-Cobos, F., Calderon-Vazquez, C., Ibarra-Laclette, E. et al. (2014). An improved, low-cost, hydroponic system for growing Arabidopsis and other plant species under aseptic conditions. [BMC Plant Biology](#), 14(1), 69.
- 6 Muniz-Ramirez, A., Perez-Gutierrez, R. M., Garcia-Baez, E. & Mota-Flores, J. M. (2014). Antimicrobial Activities of Diterpene Labdane From Seeds of Byrsonima Crassifolia. [Boletin Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromaticas](#), 13(1), 31-37.
- 7 Salazar-Cavazos, E. & Santillan, M. (2014). Optimal Performance of the Tryptophan Operon of E-Coli: a Stochastic, Dynamical, Mathematical-Modeling Approach. [Bulletin of Mathematical Biology](#), 76(2), 314-334.
- 8 Suarez, A. & Matos, T. (2014). Bose-Einstein Condensate Dark Matter Phase Transition From Finite Temperature Symmetry Breaking of Klein-Gordon Fields. [Classical and Quantum Gravity](#), 31(4), 045015.
- 9 Alvarez-Pena, C. & Porter, R. (2014). Contragenic Functions of Three Variables. [Complex Analysis and Operator Theory](#), 8(2), 409-427.
- 10 Aichholzer, O., Fabila-Monroy, R., Gonzalez-Aguilar, H., Hackl, T., Heredia, M. A., Huemer, C., Urrutia, J. & Vogtenhuber, B. (2014). 4-Holes in point sets. [Computational Geometry](#), 47(6), 644-650.

11 Sanchez, C. A. V., Espana, H. P., Madrid, R. R., Monreal, D. S. & Gonzalez, J. E. A. (2014). Subtle Genetic Connectivity Between Mexican Caribbean and South-Western Gulf of Mexico Reefs: the Case of the Bicolor Damselfish, *Stegastes Partitus*. [Coral Reefs](#), 33(1), 241-251.

12 Sarria-Guzman, Y., Lopez-Ramirez, M. P., Chavez-Romero, Y., Ruiz-Romero, E., Dendooven, L. & Bello-Lopez, J. M. (2014). Identification of Antibiotic Resistance Cassettes in Class 1 Integrons in *Aeromonas* spp. Strains Isolated From Fresh Fish (*Cyprinus carpio* L.). [Current Microbiology](#), 68(5), 581-586.

13 Lopez, H. H., Renteria-Marquez, C. & Villarreal, R. H. (2014). Affine Cartesian Codes. [Designs Codes and Cryptography](#), 71(1), 5-19.

14 Aichholzer, O., Fabila-Monroy, R., Hackl, T., Huemer, C. & Urrutia, J. (2014). Empty Monochromatic Simplices. [Discrete & Computational Geometry](#), 51(2), 362-393.

15 Healy, L. & Sacristan, A. I. (2014). Towards an Understanding of the Shaping of Research Outcomes by Contextual Issues: Reflections on the Contributions of the Remath Project. [Educational Studies in Mathematics](#), 85(3), 423-435.

16 Messina, A. R., Reyes, N., Moreno, I. & Perez, M. A. (2014). A Statistical Data-Fusion-Based Framework for Wide-Area Oscillation Monitoring. [Electric Power Components and Systems](#), 42(3-4), 396-407.

17 Medina, M. A., Das, S., Coello-Coello, C. A. & Ramirez, J. M. (2014). Decomposition-based modern metaheuristic algorithms for multi-objective optimal power flow - A comparative study. [Engineering Applications of Artificial Intelligence](#), 32, 10-20.

18 Guzman-Trampe, J. E., Cruz-Cortes, N., Dominguez-Perez, L. J., Ortiz-Arroyo, D. & Rodriguez-Henriquez, F. (2014). Low-cost addition-subtraction sequences for the final exponentiation in pairings. [Finite Fields and Their Applications](#), 29, 1-17.

19 Salazar, R., Arambula-Villa, G., Hidalgo, F. J. & Zamora, R. (2014). Structural Characteristics That Determine the Inhibitory Role of Phenolic Compounds on 2-Amino-1-Methyl-6-Phenylimidazo[4,5-B]pyridine (Phip) Formation. [Food Chemistry](#), 151, 480-486.

20 Delgadillo, D., Barbier, O., Sierra, G. & Reyes, J. L. (2014). Retinoic acid improves recovery after nephrectomy and decreases renal TGF-Beta1 expression. Gender-related effects. [Fundamental & Clinical Pharmacology](#), 28(2), 170-179.

21 Gonnee, M. E., Charette, M. A., Liu, Q., Herrera-Silveira, J. A. & Morales-Ojeda, S. M. (2014). Trace element geochemistry of groundwater in a karst subterranean estuary (Yucatan Peninsula, Mexico). [Geochimica Et Cosmochimica Acta](#), 132, 31-49.

22 Gorokhovskiy, A. V., Kulakov, V. A., Escalante-Garcia, J. I. & Shcherbakova, N. N. (2014). Technical Ceramic Based on Mixtures of Potassium Polytitanate and Titanium Oxide. [Glass and Ceramics](#), 70(9-10), 382-384.

- 23 Cunha, L., Montiel, R., Novo, M., Orozco-Terwengel, P., Rodrigues, A., Morgan, A. J. & Kille, P. (2014). Living on a Volcano's Edge: Genetic Isolation of an Extremophile Terrestrial Metazoan, [Heredity](#), 112(2), 132-142.
- 24 Castellanos-Lopez, S. L., Cruz-Perez, F. A., Rivero-Angeles, M. E. & Hernandez-Valdez, G. (2014). Joint Connection Level and Packet Level Analysis of Cognitive Radio Networks With Voip Traffic. [Ieee Journal on Selected Areas in Communications](#), 32(3), 601-14.
- 25 Rosales, E. B. O. & Ibarra, F. S. (2014). A 100hz Low-Pass 2 Nd Order Sallen-and-Key Active Filter: a Design Proposal. [Ieee Latin America Transactions](#), 12(2), 73-7.
- 26 Moreno-Ahedo, L., Collado, J. & Vazquez, C. (2014). Parametric Resonance Cancellation Via Reshaping Stability Regions: Numerical and Experimental Results. [Ieee Transactions on Control Systems Technology](#), 22(2), 753-760.
- 27 Castro-Carranza, A., Estrada, M., Cerdeira, A., Nolasco, J. C., Sanchez, J., Marsal, L. F., Iniguez, B. & Pallares, J. (2014). Compact Capacitance Model for Otfts at Low and Medium Frequencies. [Ieee Transactions on Electron Devices](#), 61(2), 638-642.
- 28 Mukhopadhyay, A., Maulik, U., Bandyopadhyay, S. & Coello, C. A. C. (2014). A Survey of Multiobjective Evolutionary Algorithms for Data Mining: Part I. [Ieee Transactions on Evolutionary Computation](#), 18(1), 4-19.
- 29 Mukhopadhyay, A., Maulik, U., Bandyopadhyay, S. & Coello, C. A. C. (2014). Survey of Multiobjective Evolutionary Algorithms for Data Mining: Part Ii. [Ieee Transactions on Evolutionary Computation](#), 18(1), 20-35.
- 30 Linares-Flores, J., Mendez, A. H., Garcia-Rodriguez, C. & Sira-Ramirez, H. (2014). Robust Nonlinear Adaptive Control of a "Boost" Converter Via Algebraic Parameter Identification. [Ieee Transactions on Industrial Electronics](#), 61(8), 4105-4114.
- 31 Torres-Huitzil, C. (2014). Fast Hardware Architecture for Grey-Level Image Morphology With Flat Structuring Elements. [Iet Image Processing](#), 8(2), 112-121.
- 32 Lopez-Jaimes, A., Coello-Coello, C. A., Aguirre, H. & Tanaka, K. (2014). Objective space partitioning using conflict information for solving many-objective problems: New Sensing and Processing Technologies for Hand-based Biometrics Authentication. [Information Sciences](#), 268, 305-327.
- 33 Bauer, W., Yanez, C. H. & Vasilevski, N. (2014). Eigenvalue Characterization of Radial Operators on Weighted Bergman Spaces Over the Unit Ball. [Integral Equations and Operator Theory](#), 78(2), 271-300.
- 34 Gomez-Ortiz, N. M., Gonzalez-Gomez, W. S., De la Rosa-Garcia, S. C., Oskam, G., Quintana, P., Soria-Castro, M., Gomez-Cornelio, S. & Ortega-Morales, B. O. (2014). Antifungal activity of $\text{Ca}[\text{Zn}(\text{OH})_3]_2 \cdot 2\text{H}_2\text{O}$ coatings for the preservation of limestone monuments: An in vitro study. [International Biodeterioration & Biodegradation](#), 91, 1-8.

35 Suarez-Alcantara, K., Martinez-Casillas, D. C., Zheng, K. B., Zhu, Q., Abdellah, M., Haase, D., Pullerits, T., Solorza-Feria, O. & Canton, S. E. (2014). SEM and XAS characterization at beginning of life of Pd-based cathode electrocatalysts in PEM fuel cells. [International Journal of Hydrogen Energy](#), 39(10), 5358-5370.

*36 Carbajal-Gomez, V. H., Tlelo-Cuautle, E., Fernandez, F. V., De La Fraga, L. G. & Sanchez-Lopez, C. (2014). Maximizing Lyapunov Exponents in a Chaotic Oscillator by Applying Differential Evolution. [International Journal of Nonlinear Sciences and Numerical Simulation](#), 15(1), 11-17.

37 Martinez-Roldan, A. J., Perales-Vela, H. V., Canizares-Villanueva, R. O. & Torzillo, G. (2014). Physiological Response of Nannochloropsis Sp to Saline Stress in Laboratory Batch Cultures. [Journal of Applied Phycology](#), 26(1), 115-121.

38 Gonzalez-Ramirez, R., Martinez-Hernandez, E., Sandoval, A. & Felix, R. (2014). Transcription Factor Sp1 Regulates T-Type Ca²⁺ Channel Ca(V)_{3.1} Gene Expression. [Journal of Cellular Physiology](#), 229(5), 551-560.

39 Lang, M., Richmond, M. P., Acurio, A. E., Markow, T. A. & Orgogozo, V. (2014). Radiation of the Drosophila Nannoptera Species Group in Mexico. [Journal of Evolutionary Biology](#), 27(3), 575-584.

40 Abelev, B., Adam, J., Adamova, D. et al. (2014). Measurement of Charged Jet Suppression in Pb-Pb Collisions at Radics $\sqrt{s_{NN}} = 2.76$ TeV. [Journal of High Energy Physics](#), (3), 013.

41 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Studies of Azimuthal Dihadron Correlations in Ultra-Central PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. [Journal of High Energy Physics](#), (2), 88.

42 Abelev, B., Adam, J., Adamova, D. et al. (2014). J/Psi Production and Nuclear Effects in P-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. [Journal of High Energy Physics](#), (2), 073.

43 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the T(T)Over-Bar Production Cross Section in the Dilepton Channel in Pp Collisions at $\sqrt{s} = 8$ TeV. [Journal of High Energy Physics](#), (2), 024.

44 Bicer, M., Yildiz, H. D., Yildiz, I. et al. (2014). First Look at the Physics Case of Tlep. [Journal of High Energy Physics](#), (1), 164.

45 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of Higgs Boson Production and Properties in the Ww Decay Channel With Leptonic Final States. [Journal of High Energy Physics](#), (1), 096.

46 Garibay-Cerdenares, O. L., Hernandez-Ramirez, V. I., Osorio-Trujillo, J. C., Hernandez-Ortiz, M., Gallardo-Rincon, D., Cantu-De Leon, D., Encarnacion-Guevara, S., Villegas-Pineda, J. C. & Talamas-Rohana, P. (2014). Proteomic identification of fucosylated haptoglobin alpha isoforms in ascitic fluids and its localization in ovarian carcinoma tissues from Mexican patients. [Journal of Ovarian Research](#), 7(1), 27.

- 47 Rabone, J., Lopez-Honorato, E. & Van Uffelent, P. (2014). Silver and Cesium Diffusion Dynamics at the Beta-Sic Sigma 5 Grain Boundary Investigated With Density Functional Theory Molecular Dynamics and Metadynamics. [Journal of Physical Chemistry A](#), 118(5), 915-926.
- 48 Lima-Mendoza, L. A., Colado-Velazquez, J., Mailloux-Salinas, P., Espinosa-Juarez, J. V., Gomez-Viquez, N. L., Molina-Munoz, T., Huang, F. & Bravo, G. (2014). Vascular damage in obese female rats with hypoestrogenism. [Journal of Physiology and Biochemistry](#), 70(1), 81-91.
- 49 Bohm, A., Bui, H. V. & Kielanowski, P. (2014). Boundary Conditions for the Dynamical Equations of Quantum Mechanics. [Journal of Russian Laser Research](#), 35(1), 14-26.
- 50 Garcia-Saravia Ortiz de Montellano, A. & Mustre de Leon, J. (2014). Characterization of an Electronic Excitation on a Peierls-Hubbard Hamiltonian for a Small Cluster. [Journal of Superconductivity and Novel Magnetism](#), 27(4), 991-994.
- 51 Mulato-Gomez, D. F., Mustre de Leon, J. & Saini, N. L. (2014). Inhomogeneous Electronic Structure of FeTe_{1-x}Sex Revealed by X-ray Absorption Near Edge Structure. [Journal of Superconductivity and Novel Magnetism](#), 27(4), 1035-1040.
- 52 Lopez, H. H. & Villarreal, R. H. (2014). Computing the degree of a lattice ideal of dimension one. [Journal of Symbolic Computation](#), 65, 15-28.
- 53 Azhmyakov, V., Polyakov, A. & Poznyak, A. (2014). Consistent approximations and variational description of some classes of sliding mode control processes. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 351(4), 1964-1981.
- 54 Vazquez, C., Collado, J. & Fridman, L. (2014). Super twisting control of a parametrically excited overhead crane. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 351(4), 2283-2298.
- 55 Alanis, A. Y., Sanchez, E. N. & Loukianov, A. G. (2014). Real-time output trajectory tracking neural sliding mode controller for induction motors. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 351(4), 2315-2334.
- 56 Salazar, R., Arambula-Villa, G., Luna-Barcenas, G., Figueroa-Cardenas, J. D., Azuara, E. & Vazquez-Landaverde, P. A. (2014). Effect of Added Calcium Hydroxide During Corn Nixtamalization on Acrylamide Content in Tortilla Chips. [Lwt-Food Science and Technology](#), 56(1), 87-92.
- 57 Chavez-Urbiola, I. R., Chavez-Urbiola, E. A., Ochoa-Landin, R., Castillo, S. J., Vorobiev, Y. V. & Ramirez-Bon, R. (2014). Cadmium Selenide Film Through Ammonia Free Thermal Substitution Reaction on Cadmium Oxide Hydroxide Films by Chemical Vapor Deposition. [Materials Letters](#), 116, 254-257.
- 58 Garcia-Pastor, F. A., Jiang, H., Hu, D., Wu, X. H., Withers, P. J. & Preuss, M. (2014). In Situ Synchrotron Studies of Reversible and Irreversible Non-Elastic Strain in a Two-Phase TiAl Alloy. [Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science](#), 45A(2), 607-618.

- 59 Parillo, F., Zerani, M., Maranesi, M., Dall'aglio, C., Galeati, G., Brecchia, G., Boiti, C. & Gonzalez-Mariscal, G. (2014). Ovarian Hormones and Fasting Differentially Regulate Pituitary Receptors for Estrogen and Gonadotropin-Releasing Hormone in Rabbit Female. [Microscopy Research and Technique](#), 77(3), 201-210.
- 60 Villanueva-Toledo, J., Ponciano-Gomez, A., Ortiz-Sanchez, E. & Garrido, E. (2014). Side populations from cervical-cancer-derived cell lines have stem-cell-like properties. [Molecular Biology Reports](#), 41(4), 1993-2004.
- *61 Nam, J. W., Rissland, O. S., Koppstein, D., Abreu-Goodger, C., Jan, C. H., Agarwal, V., Yildirim, M. A., Rodriguez, A. & Bartel, D. P. (2014). Global Analyses of the Effect of Different Cellular Contexts on MicroRNA Targeting. [Molecular Cell](#), 53(6), 1031-1043.
- *62 Munoz, M. A., Arriagada, S. & Joseph-Nathan, P. (2014). Chiral Resolution and Absolute Configuration of 3 Alpha,6 Beta-Dicinnamoyloxytropine and 3 Alpha,6 Beta-Di(1-Ethyl-1h-Pyrrol-2-Ylcarbonyloxy)Tropine, Constituents of Erythroxyllum Species. [Natural Product Communications](#), 9(1), 27-30.
- 63 Mondragon-Rodriguez, S., Perry, G., Luna-Munoz, J., Acevedo-Aquino, M. C. & Williams, S. (2014). Phosphorylation of Tau Protein at Sites Ser(396-404) Is One of the Earliest Events in Alzheimer's Disease and Down Syndrome. [Neuropathology and Applied Neurobiology](#), 40(2), 121-135.
- 64 Cuellar, C. A., Trejo, A., Linares, P., Delgado-Lezama, R., Jimenez-Estrada, I., Abyazova, L. M., Baltina, T. V. & Manjarrez, E. (2014). Spinal neurons bursting in phase with fictive scratching are not related to spontaneous cord dorsum potentials. [Neuroscience](#), 266, 66-79.
- 65 Buijs, F. N., Cazarez, F., Basualdo, M. C., Scheer, F. A. J. L., Perusquia, M., Centurion, D. & Buijs, R. M. (2014). The suprachiasmatic nucleus is part of a neural feedback circuit adapting blood pressure response. [Neuroscience](#), 266, 197-207.
- 66 Aguayo-Lara, E., Ramirez-Trevino, A. & Ruiz-Leon, J. (2014). Sensor Placement for Distinguishability and Single Structure Observer Design in Continuous Timed Petri Nets. [Nonlinear Analysis-Hybrid Systems](#), 12, 20-32.
- 67 Zuniga-Segundo, A., Rodriguez-Lara, B. M., Fernandez, D. J. & Moya-Cessa, H. M. (2014). Jacobi Photonic Lattices and Their Susy Partners. [Optics Express](#), 22(1), 987-994.
- 68 Navarro-Yepes, J., Zavala-Flores, L., Anandhan, A. et al. (2014). Antioxidant gene therapy against neuronal cell death. [Pharmacology & Therapeutics](#), 142(2), 206-230.
- 69 Munoz-Islas, E., Vidal-Cantu, G. C., Bravo-Hernandez, M., Cervantes-Duran, C., Quinonez-Bastidas, G. N., Pineda-Farias, J. B., Barragan-Iglesias, P. & Granados-Soto, V. (2014). Spinal 5-HT5A receptors mediate 5-HT-induced antinociception in several pain models in rats. [Pharmacology Biochemistry and Behavior](#), 120, 25-32.

- 70 Mandujano-Ramirez, H. J., Gonzalez-Vazquez, J. P., Oskam, G., Dittrich, T., Garcia-Belmonte, G., Mora-Sero, I., Bisquert, J. & Anta, J. A. (2014). Charge Separation at Disordered Semiconductor Heterojunctions From Random Walk Numerical Simulations. [Physical Chemistry Chemical Physics](#), 16(9), 4082-4091.
- 71 Cordourier-Maruri, G., Omar, Y., De Coss, R. & Bose, S. (2014). Graphene-Enabled Low-Control Quantum Gates Between Static and Mobile Spins. [Physical Review B](#), 89(7), 075426.
- 72 Montiel, A., Lazkoz, R., Sendra, I., Escamilla-Rivera, C. & Salzano, V. (2014). Nonparametric Reconstruction of the Cosmic Expansion With Local Regression Smoothing and Simulation Extrapolation. [Physical Review D](#), 89(4), 043007.
- 73 Gutierrez-Rodriguez, A., Honorato, C. G., Montano, J. & Perez, M. A. (2014). Limits on the Quartic Couplings $Z\gamma\gamma\gamma$ and $Z\gamma\gamma\gamma$ From E^+E^- Colliders. [Physical Review D](#), 89(3), 034003.
- 74 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of the W Boson Mass With the D0 Detector. [Physical Review D](#), 89(1), 012005.
- 75 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Study of C_p-Violating Charge Asymmetries of Single Muons and Like-Sign Dimuons in P(P)Over-Bar Collisions. [Physical Review D](#), 89(1), 012002.
- 76 Angulo-Sherman, A. & Mercado-Uribe, H. (2014). Water under inner pressure: a dielectric spectroscopy study. [Physical Review E](#), 89(2), 022406.
- 77 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of Associated Production of Z Bosons With Charm Quark Jets in P(P)Over-Bar Collisions at Root S = 1.96 Tev. [Physical Review Letters](#), 112(4), 042001.
- 78 Abelev, B., Adam, J., Adamova, D. et al. (2014). Multiplicity Dependence of Pion, Kaon, Proton and Lambda Production in P-Pb Collisions at Root S(Nn)=5.02 Tev. [Physics Letters B](#), 728, 25-38.
- 79 Abelev, B., Adam, J., Adamova, D. et al. (2014). Multi-Strange Baryon Production at Mid-Rapidity in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physics Letters B](#), 728, 216-227.
- 80 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Determination of the Top-Quark Pole Mass and Strong Coupling Constant From the T(T)Over-Bar Production Cross Section in Pp Collisions at Root S=7 Tev. [Physics Letters B](#), 728, 496-517.
- 81 Aguilar-Hernandez, V. & Guzman, P. (2014). The Fate of Tandemly Duplicated Genes Assessed by the Expression Analysis of a Group of Arabidopsis Thaliana Ring-H2 Ubiquitin Ligase Genes of the Atl Family. [Plant Molecular Biology](#), 84(4-5), 429-441.
- 82 Parra-Cota, F. I., Pena-Cabriales, J. J., De Los Santos-Villalobos, S., Martinez-Gallardo, N. A. & Delano-Frier, J. P. (2014). Burkholderia Ambifaria and B. Caribensis Promote Growth and Increase Yield in Grain Amaranth (Amaranthus Cruentus and a-Hypochondriacus) by Improving Plant Nitrogen Uptake. [Plos One](#), 9(2), e88094.

83 Vasquez-Limeta, A., Ortega, A., Cisneros, B., Wagstaff, K. M., Jans, D. A. & Crouch, D. H. (2014). Nuclear Import of Beta-Dystroglycan Is Facilitated by Ezrin-Mediated Cytoskeleton Reorganization. [PloS One](#), 9(3), e90629.

*84 Vite-Garin, T., Estrada-Barcenas, D. A., Cifuentes, J. & Taylor, M. L. (2014). The Importance of Molecular Analyses for Understanding the Genetic Diversity of Histoplasma Capsulatum: an Overview. [Revista Iberoamericana De Micologia](#), 31(1), 11-15.

*85 Estrada-Barcenas, D. A., Vite-Garin, T., Navarro-Barranco, H. et al. (2014). Genetic Diversity of Histoplasma and Sporothrix Complexes Based on Sequences of Their Its1-5.8s-Its2 Regions From the Bold System. [Revista Iberoamericana De Micologia](#), 31(1), 90-94.

86 Soto, J. R., Molina, B. & Castro, J. J. (2014). Nonadiabatic Structure Instability of Planar Hexagonal Gold Cluster Cation Au-7 and Its Spectral Signature. [Rsc Advances](#), 4(16), 8157-8164.

87 Dominguez-Mendoza, C. A., Bello-Lopez, J. M., Navarro-Noya, Y. E. et al. (2014). Bacterial community structure in fumigated soil. [Soil Biology and Biochemistry](#), 73, 122-129.

88 Balderrama, V. S., Estrada, M., Han, P. L., Granero, P., Pallares, J., Ferre-Borrull, J. & Marsal, L. F. (2014). Degradation of electrical properties of PTB1:PCBM solar cells under different environments. [Solar Energy Materials and Solar Cells](#), 125, 155-163.

89 Arvizu, M. A., Triana, C. A., Stefanov, B. I., Granqvist, C. G. & Niklasson, G. A. (2014). Electrochromism in sputter-deposited W-Ti oxide films: Durability enhancement due to Ti. [Solar Energy Materials and Solar Cells](#), 125, 184-189.

90 Avila-Herrera, F., Cerdeira, A., Roldan, J. B., Sanchez-Moreno, P., Tienda-Luna, I. M. & Iniguez, B. (2014). Pseudo-Boltzmann model for modeling the junctionless transistors. [Solid-State Electronics](#), 95, 19-22.

91 Cerdeira, A., Avila, F., Iniguez, B., De Souza, M., Pavanello, M. A. & Estrada, M. (2014). Compact core model for Symmetric Double-Gate Junctionless Transistors. [Solid-State Electronics](#), 94, 91-97.

92 Elyukhin, V. A. (2014). Self-assembling of 1Sb4Mn magnetic clusters in GaAs:(Mn, Sb). [Superlattices and Microstructures](#), 70, 7-12.

93 Aceves-Mijares, M., Espinosa-Torres, N. D., Flores-Gracia, F. et al. (2014). Composition and emission characterization and computational simulation of silicon rich oxide films obtained by LPCVD. [Surface and Interface Analysis](#), 46(4), 216-223.

94 Kovalenko, Y. U., Gorev, N. B., Kodzheshpurova, I. F., Prokhorov, E. & Trapaga, G. (2014). Convergence of a Hydraulic Solver With Pressure-Dependent Demands. [Water Resources Management](#), 28(4), 1013-31.

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

95 Faz-Hernandez, A., Longa, P. & Sanchez, A. H. (2014). Efficient and Secure Algorithms for Glv-Based Scalar Multiplication and Their Implementation on Glv-Gls Curves. [Lecture Notes in Computer Science](#), 8366, 1-27.

*96 Kumar-Krishnan, S., Prokhorov, E. & Luna-Barcenas, G. (2014). Molecular relaxation in Chitosan films in GHz frequency range. [MRS Online Proceedings Library](#), 1613, 1-6.

97 Cuvas, C., Ramirez, A., Egorov, A. & Mondie, S. (2014). Necessary stability conditions for one delay systems: a Lyapunov matrix approach. [Advances in Delays and Dynamics](#), 1, 3-16.

98 Diaz-Valle, A., Chavez-Calvillo, G. & Carrillo-Tripp, M. (2014). In silico binding free energy characterization of cowpea chlorotic mottle virus coat protein homodimer variantes. [Advances in Intelligent Systems and Computing](#), 232, 21-28.

99 Ramos-Guivar, J. A., Bustamante, A., Flores, J., Mejia-Santillan, M., Osorio, A. M., Martinez, A. I., De Los Santos-Valladares, L. & Barnes, C. H. W. (2014). Mossbauer Study of Intermediate Superparamagnetic Relaxation of Maghemite ($\gamma\text{-Fe}_2\text{O}_3$) Nanoparticles. [Hyperfine Interactions](#), 224(1-3), 89-97.

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

100 Aaron, F. D., Alexa, C., Andreev, V. et al. (2014). Determination of the Integrated Luminosity at Hera Using Elastic Qed Compton Events (Vol 72, 2163, 2012). [European Physical Journal C](#), 74(2), 2733.

101 Bandyopadhyay, S., Maulik, U., Coello, C. A. C. & Pedrycz, W. (2014). Special Issue on Advances in Multiobjective Evolutionary Algorithms for Data Mining. [IEEE Transactions on Evolutionary Computation](#), 18(1), 1-3.

ARTÍCULOS G – RESÚMENES PUBLICADOS EN REVISTAS

102 Candanedo-Gonzalez, F., Cortes-Reynosa, P., Serna-Marquez, N., Villegas-Comonfort, S., Espinoza-Neira, R., Soto-Guzman, A. & Perez-Salzar, E. (2014). Progesterone Induces Nf-Kb Activation Through Pi3k/Akt-2 Signal Pathway Dependent of Heterotrimeric Gi/Go Proteins in Mcf-7 Breast Cancer. [Laboratory Investigation](#), 94, 458A.

103 Candanedo-Gonzalez, F., Cortes-Reynosa, P., Serna-Marquez, N., Villegas-Comonfort, S., Espinoza-Neira, R., Soto-Guzman, A. & Perez-Salzar, E. (2014). Progesterone Induces Nf-Kb Activation Through Pi3k/Akt-2 Signal Pathway Dependent of Heterotrimeric Gi/Go Proteins in Mcf-7 Breast Cancer. [Modern Pathology](#), 27, 458A.

104 Kouri, J. B. (2014). Cartilage mineralization and cell death within experimental osteoarthritis. [Osteoarthritis and Cartilage](#), 22(S), S362.

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

105 Rodriguez-Campos, J., Dendooven, L., Alvarez-Bernal, D. & Contreras-Ramos, S. M. (2014). Potential of earthworms to accelerate removal of organic contaminants from soil: A review. [Applied Soil Ecology](#), 79, 10-25.

106 Gutierrez-Escolano, A. L. (2014). Host-cell factors involved in the calicivirus replicative cycle. [Future Virology](#), 9(2), 147-160.

107 Meraz-Rios, M. A., Franco-Bocanegra, D., Rios, D. T. & Campos-Pena, V. (2014). Early Onset Alzheimer's Disease and Oxidative Stress. [Oxidative Medicine and Cellular Longevity](#), 2014, 375968.

ARTÍCULOS DEL MES DE ABRIL DE 2014

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

1 Tinajero-Perez, E. J., Molinar-Solis, J. E., Garcia-Lozano, R. Z., Rosales-Quintero, P., Rocha-Perez, J., Diaz-Sanchez, A. & Morales-Acevedo, A. (2014). Fowler-Nordheim Tunneling Characterization on Poly1-Poly2 Capacitors for the Implementation of Analog Memories in Cmos 0.5 Mu M Technology. [Advances in Condensed Matter Physics](#), 2014, 632785.

2 Wilson, H. J., Dickinson, F., Griffiths, P. L., Bogin, B., Hobbs, M. & Varela-Silva, M. I. (2014). Maternal Short Stature Does Not Predict Their Children's Fatness Indicators in a Nutritional Dual-Burden Sample of Urban Mexican Maya. [American Journal of Physical Anthropology](#), 153(4), 627-634.

3 Debnath, A., Tunac, J. B., Silva-Olivares, A., Galindo-Gomez, S., Shibayama, M. & Mckerrow, J. H. (2014). In Vitro Efficacy of Corifungin Against Acanthamoeba Castellanii Trophozoites and Cysts. [Antimicrobial Agents and Chemotherapy](#), 58(3), 1523-1528.

4 Kravchenko, V. V. & Torba, S. M. (2014). Modified spectral parameter power series representations for solutions of Sturm-Liouville equations and their applications. [Applied Mathematics and Computation](#), 238, 82-105.

5 Syed, A. Z., Aslam, M. & Martinez-Enriquez, A. M. (2014). Associating Targets With Sentiunits: a Step Forward in Sentiment Analysis of Urdu Text. [Artificial Intelligence Review](#), 41(4), 535-561.

6 Hernandez-Castellanos, J. M., Vivas, O., Garduno, J., De La Cruz, L., Arenas, I., Elias-Vinas, D., Mackie, K. & Garcia, D. E. (2014). G Beta(2) Mimics Activation Kinetic Slowing of Ca(V)2.2 Channels by Noradrenaline in Rat Sympathetic Neurons. [Biochemical and Biophysical Research Communications](#), 445(1), 250-254.

7 Torres-Irineo, E., Amande, M. J., Gaertner, D., Delgado de Molina, A., Murua, H., Chavance, P., Ariz, J., Ruiz, J. & Lezama-Ochoa, N. (2014). Bycatch species composition over time tuna purse-seine fishery in the eastern tropical Atlantic Ocean. [Biodiversity and Conservation](#), 23, 1157-1173.

8 Cobreros, C., Espinosa, D., Hidalgo, F., Manzano-Ramirez, A. & Reyes, J. L. (2014). Cereal Straw Production Analysis, Availability of Materials, and Provincial Map for Manufacturing of Sustainable Prefabricated Panels. [Bioresources](#), 9(1), 786-800.

9 Lopez, E. G., Ramirez, E. G. R., Guzman, O. G., Calva, G. C., Ariza-Castolo, A., Perez-Vargas, J. & Rodriguez, H. G. M. (2014). Maldi-Tof Characterization of Hgh1 Produced by Hairy Root Cultures of Brassica Oleracea Var. Italica Grown in an Airlift With Mesh Bioreactor. [Biotechnology Progress](#), 30(1), 161-171.

10 Molina-Garza, Z. J., Rosales-Encina, J. L., Mercado-Hernandez, R., Molina-Garza, D. P., Gomez-Flores, R. & Galaviz-Silva, L. (2014). Association of Trypanosoma Cruzi Infection With Risk Factors and Electrocardiographic Abnormalities in Northeast Mexico. [Bmc Infectious Diseases](#), 14, 117.

- 11 Oliva-Aviles, A. I., Aviles, F., Sosa, V. & Seidel, G. D. (2014). Dielectrophoretic Modeling of the Dynamic Carbon Nanotube Network Formation in Viscous Media Under Alternating Current Electric Fields. [Carbon](#), 69, 342-354.
- 12 Velazquez-Perez, L., Gonzalez-Pina, R., Rodriguez-Labrada, R. et al. (2014). Recessive Spinocerebellar Ataxia With Paroxysmal Cough Attacks: a Report of Five Cases. [Cerebellum](#), 13(2), 215-221.
- 13 Ramirez-Alejo, N.; Blancas-Galicia, L.; Yamazaki-Nakashimada, M... et al. (2014). Molecular analysis for patients with IL-12 receptor Beta1 deficiency. [Clinical Genetics](#), 86(2); 161-166..
- 14 Garcia-Lopez, M. C., Munoz-Flores, B. M., Jimenez-Perez, V. M., Moggio, I., Arias, E., Chan-Navarro, R. & Santillan, R. (2014). Synthesis and photophysical characterization of organotin compounds derived from Schiff bases for organic light emitting diodes. [Dyes and Pigments](#), 106, 188-196.
- 15 Moreno, I. & Messina, A. R. (2014). Adaptive tracking of system oscillatory modes using an extended RLS algorithm. [Electric Power Systems Research](#), 114, 28-38.
- 16 Bravo-Hernandez, M., Feria-Morales, L. A., Torres-Lopez, J. E., Cervantes-Duran, C., Delgado-Lezama, R., Granados-Soto, V. & Rocha-Gonzalez, H. I. (2014). Evidence for the participation of peripheral alpha5 subunit-containing GABAA receptors in GABAA agonists-induced nociception in rats. [European Journal of Pharmacology](#), 734, 91-97.
- 17 Bello-Lopez, J. M., Navarro-Noya, Y. E., Gomez-Acata, S., Hernandez-Montanez, Z. & Dendooven, L. (2014). Identification of alpha-amylase by random and specific mutagenesis of *Texcoconibacillus texcoconensis* 13CCT strain isolated from extreme alkaline-saline soil of the former Lake Texcoco (Mexico). [Folia Microbiologica](#), 59, 235-240.
- 18 Sanchez, A. & Gomez, D. (2014). Analysis of historical total production costs of cellulosic ethanol and forecasting for the 2020-decade. [Fuel](#), 130, 100-104.
- 19 Chau-Lopez, A., Li, X. & Yu, W. (2014). Support vector machine classification for large datasets using decision tree and Fisher linear discriminant. [Future Generation Computer Systems](#), 36, 57-65.
- 20 Miranda, G., Matos, T. & Garcia, N. M. (2014). Kerr-Like Phantom Wormhole. [General Relativity and Gravitation](#), 46(1), 1613.
- 21 Guzman-Bautista, E. R., Garcia-Ruiz, C. E., Gama-Espinosa, A. L., Ramirez-Estudillo, C., Rojas-Gomez, O. I. & Vega-Lopez, M. A. (2014). Effect of Age and Maternal Antibodies on the Systemic and Mucosal Immune Response After Neonatal Immunization in a Porcine Model. [Immunology](#), 141(4), 609-616.
- 22 Izquierdo, M., Navarro-Garcia, F., Nava-Acosta, R., Nataro, J. P., Ruiz-Perez, F. & Farfan, M. J. (2014). Identification of Cell Surface-Exposed Proteins Involved in the Fimbria-Mediated Adherence of Enteroregative *Escherichia Coli* to Intestinal Cells. [Infection and Immunity](#), 82(4), 1719-1724.

- 23 Anzaldo, M., Chauvet, M. & Maldonado, L. A. (2014). Public Funds for Nanotechnology Research in Mexico and the Change in Paradigm of the Sti Policy. [Interciencia](#), 39(1), 8-15.
- 24 Fernandez-Martinez, E., Perez-Soto, E., Gonzalez-Hernandez, C., Ortiz, M. I., Perez-Alvarez, V., Muriel, P. & Shibayama, M. (2014). Immunomodulatory effects by oral contraceptives in normal and cholestatic female rats: Role of cytokines. [International Immunopharmacology](#), 21(1), 10-19.
- 25 Ochoa, M. H., Siller, M., Woods, J. & Duran-Limon, H. A. (2014). A Performance Analysis Framework for Wifi/Wimax Heterogeneous Metropolitan Networks Based on Cross-Layer Design. [International Journal of Distributed Sensor Networks](#), 2014, 750971.
- 26 Benouis, C. E., Benhaliliba, M., Mouffak, Z., Avila-Garcia, A., Tiburcio-Silver, A., Ortega Lopez, M., Romano-Trujillo, R. & Ocak, Y. S. (2014). The low resistive and transparent Al-doped SnO₂ films: p-type conductivity, nanostructures and photoluminescence. [Journal of Alloys and Compounds](#), 603, 213-223.
- 27 Gimenez, A. J., Farias, R. F. & Yanez-Limon, J. M. (2014). Control System Development for a Raman Spectrometer Using Microcontroller Technology. [Journal of Applied Research and Technology](#), 12, 139-144.
- 28 Martinez-Guerra, R., Perez-Pinacho, C. A., Gomez-Cortes, G. C., Cruz-Victoria, J. C. & Mata-Machuca, J. L. (2014). Experimental Synchronization by Means of Observers. [Journal of Applied Research and Technology](#), 12, 52-62.
- 29 Ortega-Cisneros, S., Cabrera-Villasenor, H. J., Raygoza-Panduro, J. J., Sandoval, F. & Loo-Yau, R. (2014). Hardware and Software Co-Design: an Architecture Proposal for a Network-on-Chip Switch Based on Buffer Less Data Flow. [Journal of Applied Research and Technology](#), 12, 153-163.
- 30 Encinas, D., Garcillan-Barcia, M. P., Santos-Merino, M., Delaye, L., Moya, A. & De La Cruz, F. (2014). Plasmid Conjugation From Proteobacteria as Evidence for the Origin of Xenologous Genes in Cyanobacteria. [Journal of Bacteriology](#), 196(8), 1551-1559.
- 31 Barrera-Figueroa, V., Blancarte, H. & Kravchenko, V. V. (2014). The Phase Retrieval Problem: a Spectral Parameter Power Series Approach. [Journal of Engineering Mathematics](#), 85(1), 179-209.
- 32 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Study of double parton scattering using W + 2-jet events in proton-proton collisions at root s = 7 TeV. [Journal of High Energy Physics](#), (3), 032.
- 33 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for new physics in events with same-sign dileptons and jets in pp collisions at root s = 8 TeV. [Journal of High Energy Physics](#), (1), 163.
- 34 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of associated W + charm production in pp collisions at root s = 7 TeV. [Journal of High Energy Physics](#), (2), 013.

- 35 Flores, G., Zhou, S., Lozano, R. & Castillo, P. (2014). A vision and GPS-based real-time trajectory planning for a MAV in unknown and low-sunlight environments. [Journal of Intelligent & Robotic Systems](#), 74, 59-67.
- 36 Ramirez, A., Espinoza, E. S., Garcia-Carrillo, L. R., Mondie, S., Garcia, A. & Lozano, R. (2014). Stability analysis of a vision-based UAV controller: an application to autonomous road following missions. [Journal of Intelligent & Robotic Systems](#), 74, 69-84.
- 37 Martinez-Hernandez, A., Guzman-Mendoza, J., Rivera-Montalvo, T., Sanchez-Guzman, D., Guzman-Olguin, J. C., Garcia-Hipolito, M. & Falcony, C. (2014). Synthesis and cathodoluminescence characterization of ZrO₂:Er³⁺ films. [Journal of Luminescence](#), 153, 140-143.
- 38 Hdz-Garcia, H. M., Martinez, A. I., Munoz-Arroyo, R., Acevedo-Davila, J. L., Garcia-Vazquez, F. & Reyes-Valdes, F. A. (2014). Effects of Silicon Nanoparticles on the Transient Liquid Phase Bonding of 304 Stainless Steel. [Journal of Materials Science & Technology](#), 30(3), 259-262.
- 39 Baka, O., Azizi, A., Velumani, S., Schmerber, G. & Dinia, A. (2014). Effect of Al Concentrations on the Electrodeposition and Properties of Transparent Al-Doped ZnO Thin Films. [Journal of Materials Science-Materials in Electronics](#), 25(4), 1761-1769.
- 40 Valencia-Cantero, E. & Penna-Cabriales, J. J. (2014). Effects of Iron-Reducing Bacteria on Carbon Steel Corrosion Induced by Thermophilic Sulfate-Reducing Consortia. [Journal of Microbiology and Biotechnology](#), 24(2), 280-286.
- 41 Varela-Valencia, R., Gomez-Ortiz, N., Oskam, G., De Coss, R., Rubio-Pina, J., Del Rio-Garcia, M., Albores-Medina, A. & Zapata-Perez, O. (2014). The effect of titanium dioxide nanoparticles on antioxidant gene expression in tilapia (*Oreochromis niloticus*). [Journal of Nanoparticle Research](#), 16, 2369.
- 42 Bustos-Brito, C., Sanchez-Castellanos, M., Esquivel, B. et al. (2014). Structure, Absolute Configuration, and Antidiarrheal Activity of a Thymol Derivative From *Ageratina Cylindrica*. [Journal of Natural Products](#), 77(2), 358-363.
- 43 Lozada-Morales, R., Aquino-Meneses, L., Lopez-Calzada, G. et al. (2014). Studies of Phase Formation From the Zn-Cd-V(2)O(5) Ternary System. [Journal of Non-Crystalline Solids](#), 386, 39-45.
- 44 Martinez-Guerra, E., Ortiz-Chi, F., Curtarolo, S. & De Coss, R. (2014). Pressure Effects on the Electronic Structure and Superconducting Critical Temperature of Li₂B₂. [Journal of Physics-Condensed Matter](#), 26(11), 115701.
- 45 Maldonado-Torres, M., Lopez-Hernandez, J. F., Jimenez-Sandoval, P. & Winkler, R. (2014). Plug and Play assembly of a low-temperature plasma ionization mass spectrometry imaging (LTP-MSI) system. [Journal of Proteomics](#), 102, 60-65.
- 46 Ferreira de Loza, A., Punta, E., Fridman, L., Bartolini, G. & Delprat, S. (2014). Nested backward compensation of unmatched perturbations via HOSM observation. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 351(5), 2397-2410.

47 Hussain, S. Q., Oh, W. K., Ahn, S., Le, A. H. T., Kim, S., Iftiqar, S. M., Velumani, S., Lee, Y. & Yi, J. (2014). Highly transparent RF magnetron-sputtered indium tin oxide films for a-Si:H/c-Si heterojunction solar cells amorphous/crystalline silicon. [Materials Science in Semiconductor Processing](#), 24, 225-230.

48 Rubio, J. D., Soriano, L. A. & Yu, W. (2014). Dynamic Model of a Wind Turbine for the Electric Energy Generation. [Mathematical Problems in Engineering](#), 2014, 409268.

49 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Electron and photon identification in the D0 experiment. [Nuclear Instruments & Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment](#), 750, 78-95.

50 Alvarado, F., Escobar, F. & Montero-Munoz, J. (2014). Diversity and Biogeographical Makeup of the Dung Beetle Communities Inhabiting Two Mountains in the Mexican Transition Zone. [Organisms Diversity & Evolution](#), 14(1), 105-114.

51 Carabarin-Lima, A., Rodriguez-Morales, O., Gonzalez-Vazquez, M. C., Baylon-Pacheco, L., Reyes, P. A., Arce-Fonseca, M. & Rosales-Encina, J. L. (2014). in silico approach for the identification of immunological properties of enolase from Trypanosoma cruzi and its possible usefulness as vaccine in Chagas disease. [Parasitology Research](#), 113, 1029-1039.

52 Sanchez-Diaz, G., Diaz-Sanchez, G., Mora-Gonzalez, M., Piza-Davila, I., Aguirre-Salado, C. A., Huerta-Cuellar, G., Reyes-Cardenas, O. & Cardenas-Tristan, A. (2014). An Evolutionary Algorithm With Acceleration Operator to Generate a Subset of Typical Testors. [Pattern Recognition Letters](#), 41, 34-42.

53 Serrano-Silva, N., Sarria-Guzman, Y., Dendooven, L. & Luna-Guido, M. (2014). Methanogenesis and Methanotrophy in Soil: A Review. [Pedosphere](#), 24(3), 291-307.

54 Garcia-Castro, A. C., Spaldin, N. A., Romero, A. H. & Bousquet, E. (2014). Geometric Ferroelectricity in Fluoroperovskites. [Physical Review B](#), 89(10), 104107.

55 Abelev, B., Adam, J., Adamova, D. et al. (2014). Two- and Three-Pion Quantum Statistics Correlations in Pb-Pb Collisions at Root S-Nn=2.76 Tev at the Cern Large Hadron Collider. [Physical Review C](#), 89(2), 024911.

56 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Search for the X(4140) State in B+ -> J/Psi Phi K+ Decays With the D0 Detector. [Physical Review D](#), 89(1), 012004.

57 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for the Standard Model Higgs Boson Produced in Association With a W or a Z Boson and Decaying to Bottom Quarks. [Physical Review D](#), 89(1), 012003.

58 Garcia-Compean, H., Loaiza-Brito, O., Martinez-Merino, A. & Santos-Silva, R. (2014). Half-Flat Quantum Hair. [Physical Review D](#), 89(4), 044025.

59 Manko, V. S., Rabadan, R. I. & Sanabria-Gomez, J. D. (2014). Stationary Black Dipoles. [Physical Review D](#), 89(6), 064049.

60 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of the Direct CP-Violating Charge Asymmetry in $D\text{-}S^{(\pm)} \rightarrow \Phi \text{ } \pi^{(\pm)}$ Decays. [Physical Review Letters](#), 112(11), 111804.

61 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Inclusive Search for a Vector-Like T Quark With Charge $2/3$ in Pp Collisions at Root $S=8$ Tev. [Physics Letters B](#), 729, 149-171.

62 Garcia-Ramirez, D. L., Calvo, J. R., Hochman, S. & Quevedo, J. N. (2014). Serotonin, Dopamine and Noradrenaline Adjust Actions of Myelinated Afferents Via Modulation of Presynaptic Inhibition in the Mouse Spinal Cord. [Plos One](#), 9(2), e89999.

63 Villegas-Comonfort, S., Castillo-Sanchez, R., Serna-Marquez, N., Cortes-Reynosa, P. & Perez-Salazar, E. (2014). Arachidonic acid promotes migration and invasion through a PI3K/Akt-dependent pathway in MDA-MB-231 breast cancer cells. [Prostaglandins, Leukotrienes and Essential Fatty Acids \(PLEFA\)](#), 90(5), 169-177.

*64 Carlos-Hernandez, S., Sanchez, E. N., Beteau, J. F. & Diaz-Jimenez, L. (2014). Dynamical Analysis of a wastewater treatment process for biogas production. [Revista Iberoamericana De Automatica e Informatica Industrial RIAI](#), 11(2), 236-246.

65 Zavala, G. R., Nebro, A. J., Luna, F. & Coello-Coello, C. A. (2014). A survey of multi-objective metaheuristics applied to structural optimization. [Structural and Multidisciplinary Optimization](#), 49, 537-558.

66 Organista-Nava, J., Gomez-Gomez, Y. & Gariglio, P. (2014). Embryonic stem cell-specific signature in cervical cancer. [Tumor Biology](#), 35, 1727-1738.

67 Filio-Rodriguez, O., Primak, S. & Kontorovich, V. (2014). Cumulant analysis of dual sequential ratio testing for cognitive radio spectrum sensing. [Wireless Personal Communications](#), 75, 2355-2370.

68 Rathinasabapathy, A., Ramsay, B. A., Ramsay, J. A. & Perez-Guevara, F. (2014). A Feeding Strategy for Incorporation of Canola Derived Medium-Chain-Length Monomers Into the Pha Produced by Wild-Type *Cupriavidus Necator*. [World Journal of Microbiology & Biotechnology](#), 30(4), 1409-1416.

69 Hosseini-Monfared, H., Bikas, R., Mohammadi, S., Percino, T. M., Demeshko, S., Meyer, F. & Ramirez, M. A. L. (2014). Synthesis, Structure, Magnetic Properties, and Catalase- Like Activity of Methoxy- Bridged Manganese(II) Coordination Polymer Containing Hydrazone Based (O, N, O) 2- Donor Ligand. [Zeitschrift Fur Anorganische Und Allgemeine Chemie](#), 640(2), 405-411.

*70 Paz-Rios, C. E. & Ardisson, P. L. (2014). *Dulichella Celestun*, a New Species of Amphipod (Crustacea: Amphipoda: Melitidae) From the Gulf of Mexico, With a Key and Zoogeographic Remarks for the Genus in the Western Atlantic. [Zootaxa](#), 3774(5), 430-440.

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

- 71 Flores-Colunga, G. R., Aguilar-Sierra, H., Lozano, R. & Salazar, S. (2014). Fault estimation and control for a quad-rotor MAV using a polynomial observer. Part I: Fault detection. [Advances in Intelligent Systems and Computing](#), 252, 151-170.
- 72 Sanchez, E. & Landin, P. R. (2014). Levels of probabilistic reasoning of high school students about binomial problems. [Advances in Mathematics Education](#), 581-597.
- 73 Breton, N. (2014). Vector fields resembling dark energy. [Astrophysics and Space Science Proceedings](#), 38, 61-73.
- 74 Custodio, C. & Breton, N. (2014). Diameter angular distance in locally inhomogeneous models. [Astrophysics and Space Science Proceedings](#), 38, 75-83.
- 75 Suarez, A., Robles, V. H. & Matos, T. (2014). A review on the scalar field/Bose-Einstein condensate dark matter model. [Astrophysics and Space Science Proceedings](#), 38, 107-142.
- 76 Calla-Choque, J. S., Figueroa-Angulo, E. E., Avila-Gonzalez, L. & Arroyo, R. (2014). Alpha-Actinin Tvactn3 of Trichomonas Vaginalis Is an Rna-Binding Protein That Could Participate in Its Posttranscriptional Iron Regulatory Mechanism. [Biomed Research International](#), 2014, 424767.
- 77 Mostovoy, J., Perez-Izquierdo, J. M. & Shestakov, I. P. (2014). Hopf algebras in non-associative Lie theory. [Bulletin of Mathematical Science](#), 4, 129-173.
- *78 Chan, K. Y., Labruijere, S., Rosas, M. B. R. et al. (2014). Cranioselectivity of Sumatriptan Revisited: Pronounced Contractions to Sumatriptan in Small Human Isolated Coronary Artery. [Cns Drugs](#), 28(3), 273-278.
- 79 Reyes-Del Valle, J., Salas-Benito, J., Soto-Acosta, R. & Del Angel, R. M. (2014). Dengue virus cellular receptors and tropism. [Current Tropical Medicine Reports](#), 1, 36-43.
- 80 Arreaga-Garcia, G. & Klapp-Escribano, J. (2014). Comparing accretion centres between rotating and turbulent cloud cores. [Environmental Science and Engineering](#), 509-520.
- 81 Cervantes-Cota, J. L. & Klapp-Escribano, J. (2014). Fluids in cosmology. [Environmental Science and Engineering](#), 71-105.
- 82 Gabbasov, R. F., Klapp-Escribano, J., Suarez-Cansino, J. & Sigalotti, L. G. (2014). Numerical simulations of the Kelvin-Helmholtz instability with the gadget-2 SPH code. [Environmental Science and Engineering](#), 291-298.
- 83 Galindo-Uribarri, S., Duran-Garcia, M. D. & Klapp-Escribano, J. (2014). Velocity estimation of a vertically falling soap film. [Environmental Science and Engineering](#), 425-432.

- 84 Gonzalez-Galan, R., Klapp-Escribano, J., Mayoral-Villa, E., De la cruz-Sanchez, E. & Sigalotti, L. G. (2014). Fluid flow modelling through fractured soils. [Environmental Science and Engineering](#), 243-252.
- 85 Haro-Perez, C., Quesada-Perez, M., Callejas-Fernandez, J., Hidalgo-Alvarez, R., Estelrich, J. & Rojas-Ochoa, L. F. (2014). Hydrodynamic interactions in charged vesicles suspensions. [Environmental Science and Engineering](#), 63-70.
- 86 Klapp-Escribano, J., Alvarado-Rodriguez, C. E. & Romero-Guzman, E. T. (2014). Dynamical behaviour of As(V) and Se(IV) adsorption in biofilters: analysis of dimensions, flux and removal percentage. [Environmental Science and Engineering](#), 297-303.
- 87 Klapp-Escribano, J., Sigalotti, L. G. & Zavala, M. (2014). Stellar mass accretion rates from fragmentation of a rotating core. [Environmental Science and Engineering](#), 271-288.
- 88 Mayoral, E., Rodriguez-Meza, M. A., De la Cruz-Sanchez, E., Klapp-Escribano, J., Solorzano-Araujo, F., Ruiz-Ferrel, C. & Sigalotti, L. G. (2014). Numerical SPH calculations of fluid flow through saturated and non-saturated porous media. [Environmental Science and Engineering](#), 481-496.
- 89 Reyes-Gutierrez, L. R., Romero-Guzman, E. T. & Klapp-Escribano, J. (2014). Uranyl transport in the unsaturated zone of the Toluca valley, state of Mexico. [Environmental Science and Engineering](#), 449-460.
- 90 Rodriguez-Meza, M. A. & Matos, T. (2014). Hydrodynamic version of the equation of motion of a charged complex scalar field. [Environmental Science and Engineering](#), 545-554.
- 91 Romero-Guzman, E. T., Reyes-Gutierrez, L. R. & Klapp-Escribano, J. (2014). Environmental fluid dynamics. [Environmental Science and Engineering](#), 349-358.
- 92 Sigalotti, L. G., Sira, E., Klapp-Escribano, J. & Trujillo, L. (2014). Environmental fluid mechanics: applications to weather forecast and climate change. [Environmental Science and Engineering](#), 3-36.
- 93 Bassestt, R. M. & Maldonado-Maldonado, A. (2014). Final remarks. [Higher Education Dynamics](#), 42, 317-319.
- 94 Maldonado-Maldonado, A. (2014). Academic mobility as social motility of the point of no return. [Higher Education Dynamics](#), 42, 127-137.
- 95 Lopez, J. L., Veleva, L. & Lopez-Sauri, D. A. (2014). Multifractal Detrended Analysis of the Corrosion Potential Fluctuations During Copper Patina Formation on Its First Stages in Sea Water. [International Journal of Electrochemical Science](#), 9(4), 1637-1649.
- 96 Cetina-Diaz, S. M., Chan-Chan, L. H., Vargas-Coronado, R. F. et al. (2014). Physicochemical Characterization of Segmented Polyurethanes Prepared With Glutamine or Ascorbic Acid as Chain Extenders and Their Hydroxyapatite Composites. [Journal of Materials Chemistry B](#), 2(14), 1966-1976.

97 Carbajal-Espinosa, O., Gonzalez-Jimenez, L., Loukianov, A. & Bayro-Corrochano, E. (2014). Robust dynamic control of an arm of a humanoid using super twisting algorithm and conformal geometric algebra. [Mechanisms and Machine Science](#), 15, 261-269.

98 Casas-Sanchez, O. & Zuniga-Galindo, W. A. (2014). p-Adic elliptic quadratic forms, parabolic-type pseudodifferential equations with variable coefficients and Markov processes. [P-Adic Numbers, Ultrametric Analysis and Applications](#), 6(1), 1-20.

99 Manko, V. S. (2014). On the properties of exact solutions endowed with negative mass. [Springer Proceedings in Mathematics & Statistics](#), 60, 317-320.

100 Quiroz, M., Cruz-Reyes, L., Torres-Jimenez, J., Gomez-Santillan, C., Fraire-Huacuja, H. J. & Melin, P. (2014). Characterization of the optimization process. [Studies in Computational Intelligence](#), 547, 493-507.

101 Salomon-S., Dominguez-Medina, C., Avigad, G., Freitas, A., Goldvard, A., Schutze, O. & Trautmann, H. (2014). PSA based multi objective evolutionary algorithms. [Studies in Computational Intelligence](#), 500, 233-259.

102 Lopez, V. G., Sanchez, E. N. & Alanis, A. Y. (2014). Real-time implementation of a neural inverse optimal control for a linear induction motor. [Studies in Fuzziness and Soft Computing](#), 312, 163-170.

103 Ornelas-Tellez, F., Graff, M., Sanchez, E. N. & Alanis, A. Y. (2014). PSO optimal tracking control for state-dependent coefficient nonlinear systems. [Studies in Fuzziness and Soft Computing](#), 312, 403-410.

104 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Integral sliding mode control. [Systems & Control: Foundations & Applications](#), 11-20.

105 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Observed based on ISM. [Systems & Control: Foundations & Applications](#), 21-30.

106 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Output integral sliding mode based control. [Systems & Control: Foundations & Applications](#), 31-41.

107 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). The robust maximum principle. [Systems & Control: Foundations & Applications](#), 45-57.

108 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Multimodel and ISM control. [Systems & Control: Foundations & Applications](#), 59-75.

109 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Multiplant and ISM output control. [Systems & Control: Foundations & Applications](#), 77-93.

110 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Fault detection. [Systems & Control: Foundations & Applications](#), 97-101.

111 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Stewart platform. [Systems & Control: Foundations & Applications](#), 103-113.

112 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Magnetic bearing. [Systems & Control: Foundations & Applications](#), 115-121.

113 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). The fault detection problem in nonlinear systems using residual generators. [Understanding Complex Systems](#), 1-19.

114 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Fault detection in CSTR using nonlinear observers. [Understanding Complex Systems](#), 21-32.

115 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Diagnosis of nonlinear systems using the concept of differential transcendence degree. [Understanding Complex Systems](#), 33-54.

116 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). On nonlinear system diagnosis via high-gain observers: a case study. [Understanding Complex Systems](#), 55-65.

117 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Fault detection in a belt-drive system. [Understanding Complex Systems](#), 67-74.

118 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Fault diagnosis viewed as a left invertibility problem. [Understanding Complex Systems](#), 75-93.

119 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Fault estimation using sliding mode observers. [Understanding Complex Systems](#), 95-100.

120 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Diagnosis for a class of non-differentially flat and Liouvillian systems. [Understanding Complex Systems](#), 101-112.

121 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Fault estimation using a polynomial observer: a real-time application. [Understanding Complex Systems](#), 113-126.

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

122 Maldonado-Maldonado, A. & Bassestt, R. M. (2014). Introduction. [Higher Education Dynamics](#), 42, ix-xi.

123 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the T(T)Over-Bar Production Cross Section in the Dilepton Channel in Pp Collisions at Root S = 8 Tev (Vol 2, 024, 2014). [Journal of High Energy Physics](#), (2), 102.

124 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Introduction. [Systems & Control: Foundations & Applications](#), 1-8.

ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

125 Azcorra, H., Varela-Silva, I. & Dickinson, F. (2014). Intergenerational Changes in Linear Growth Among Adult Maya Mothers and Daughters From the City of Merida, Mexico. [American Journal of Physical Anthropology](#), 153, 70.

126 Dickinson, F., Gutierrez, F. & Datta-Banik, S. (2014). A New Composite Index of Nutritional Burden in Adult Women Aged 22 to 41 Years, Their Monthly Family Income and Expenditure for Food in Merida, Yucatan. [American Journal of Physical Anthropology](#), 153, 106.

127 Schurr, T. G., Gomez, R., Vilar, M. G. et al. (2014). Analysis of Y-Chromosome Diversity in Indigenous Mexican Populations Reveals Complex Paternal Haplogroup Structure in the New World. [American Journal of Physical Anthropology](#), 153, 234.

11

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

*128 Sanchez-Flores, A. & Abreu-Goodger, C. (2014). A Practical Guide to Sequencing Genomes and Transcriptomes. [Current Topics in Medicinal Chemistry](#), 14(3), 398-406.

129 Lopez-Herrera, G., Vargas-Hernandez, A., Gonzalez-Serrano, M. E., Berron-Ruiz, L., Rodriguez-Alba, J. C., Espinosa-Rosales, F. & Santos-Argumedo, L. (2014). Bruton's Tyrosine Kinase-an Integral Protein of B Cell Development That Also Has an Essential Role in the Innate Immune System. [Journal of Leukocyte Biology](#), 95(2), 243-250.

ARTÍCULOS DEL MES DE MAYO DE 2014

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

1 Gomez, E. S., Cuautle Jdaf & Jimenez, O. T. (2014). Preparation and Sintering Effect in Quartz-Barium Titanate Porous Ceramics and Permeability Modulation Using an Implanted Electrode. [Advances in Materials Science and Engineering](#), 2014, 721245.

2 Ramirez-Elias, M. A., Ferrera-Cerrato, R., Alarcon, A., Almaraz, J. J., Ramirez-Valverde, G., De-Bashan, L. E., Esparza-Garcia, F. J. & Garcia-Barradas, O. (2014). Identification of culturable microbial functional groups isolated from the rhizosphere of four species of mangroves and their biotechnological potential. [Applied Soil Ecology](#), 82, 1-10.

3 Gordillo, G., Calderon, C. & Bartolo-Perez, P. (2014). XPS analysis and structural and morphological characterization of Cu₂ZnSnS₄ thin films grown by sequential evaporation. [Applied Surface Science](#), 305, 506-514.

*4 Villegas-Hernandez, H., Rodriguez-Canul, R., Guillen-Hernandez, S., Zamora-Bustillos, R. & Gonzalez-Salas, C. (2014). Population Differentiation in Haemulon Plumieri Juveniles Across the Northern Coast of the Yucatan Peninsula. [Aquatic Biology](#), 20(2), 129-137.

5 Castanos, F., Hernandez, D. & Fridman, L. M. (2014). Integral Sliding-Mode Control for Linear Time-Invariant Implicit Systems. [Automatica](#), 50(3), 971-975.

6 Vega-Rivera, N. M., Fernandez-Guasti, A., Ramirez-Rodriguez, G. & Estrada-Camarena, E. (2014). Forced swim and chronic variable stress reduced hippocampal cell survival in OVX female rats. [Behavioural Brain Research](#), 270, 248-255.

7 Martinez-Zarate, A. D., Martinez-Vieyra, I., Alonso-Rangel, L., Cisneros, B., Winder, S. J. & Cerecedo, D. (2014). Dystroglycan depletion inhibits the functions of differentiated HL-60 cells. [Biochemical and Biophysical Research Communications](#), 448(3), 274-280.

8 Santos-Martinez, N., Diaz, L., Ordaz-Rosado, D. et al. (2014). Calcitriol Restores Antiestrogen Responsiveness in Estrogen Receptor Negative Breast Cancer Cells: a Potential New Therapeutic Approach. [Bmc Cancer](#), 14, 230.

9 Rocha-Gonzalez, H. I., Ramirez-Aguilar, M., Granados-Soto, V., Reyes-Garcia, J. G., Torres-Lopez, J. E., Huerta-Cruz, J. C. & Navarrete, A. (2014). Antineuropathic Effect of 7-Hydroxy-3,4-Dihydrocadalin in Streptozotocin-Induced Diabetic Rodents. [Bmc Complementary and Alternative Medicine](#), 14, 129.

10 Montes, R. A. C., Coello, G., Gonzalez-Aguilera, K. L., Marsch-Martinez, N., De Folter, S. & Alvarez-Buylla, E. R. (2014). Aracne-Based Inference, Using Curated Microarray Data, of Arabidopsis Thaliana Root Transcriptional Regulatory Networks. [Bmc Plant Biology](#), 14, 97.

11 Zapata-Loria, A. D. & Pech-Canul, M. A. (2014). Corrosion Inhibition of Aluminum in 0.1m Hcl Solution by Glutamic Acid. [Chemical Engineering Communications](#), 201(7), 855-869.

12 Castro, A. C., Osorio, E., Cabellos, J. L., Cerpa, E., Matito, E., Sola, M., Swart, M. & Merino, G. (2014). Exploring the Potential Energy Surface of E2p4 Clusters (E=Group 13 Element): the Quest for Inverse Carbon-Free Sandwiches. [Chemistry-a European Journal](#), 20(16), 4583-4590.

*13 Vega-Poot, A. G., Macias-Montero, M., Idigoras, J., Borrás, A., Barranco, A., Gonzalez-Elipse, A. R., Lizama-Tzec, F. I., Oskam, G. & Anta, J. A. (2014). Mechanisms of Electron Transport and Recombination in ZnO Nanostructures for Dye-Sensitized Solar Cells. [Chemphyschem](#), 15(6), 1088-1097.

*14 Moreno, M. L., Meza, E., Ortega, A. & Caba, M. (2014). The Median Preoptic Nucleus Exhibits Circadian Regulation and Is Involved in Food Anticipatory Activity in Rabbit Pups. [Chronobiology International](#), 31(4), 515-522.

15 Contreras-Blancas, E., Ruiz-Valdiviezo, V. M., Santoyo-Tepole, F., Luna-Guido, M., Meza-Gordillo, R., Dendooven, L. & Gutierrez-Miceli, F. A. (2014). Evaluation of Worm-Bed Leachate as an Antifungal Agent Against Pathogenic Fungus, *Colletotrichum Gloeosporioides*. [Compost Science & Utilization](#), 22(1), 23-32.

16 Magallanes-Rivera, R. X. & Escalante-Garcia, J. I. (2014). Anhydrite/hemihydrate-blast furnace slag cementitious composites: strength development and reactivity. [Construction and Building Materials](#), 65, 20-28.

*17 Quinones, L. A., Lavanderos, M. A., Cayun, J. P. et al. (2014). Perception of the Usefulness of Drug/Gene Pairs and Barriers for Pharmacogenomics in Latin America. [Current Drug Metabolism](#), 15(2), 202-208.

18 Mendoza-Espinosa, D., Negron-Silva, G., Angeles-Beltran, D., Alvarez-Hernandez, A., Suarez-Castillo, O. R. & Santillan, R. (2014). Copper(II) Complexes Supported by Click Generated Mixed Nn, No, and Ns 1,2,3-Triazole Based Ligands and Their Catalytic Activity in Azide-Alkyne Cycloaddition. [Dalton Transactions](#), 43(19), 7069-7077.

19 Guzman, D. D., Marchau, L. A. M., Reyes, J. L., Castaneda, V. L., Macias, M. S., Vivas, J. G. & Asseff, I. L. (2014). Leptin Levels and Nutritional Status of Indigenous Tepehuan and Mestizo Subjects in Durango, Mexico. [Disease Markers](#), 2014, 974503.

20 Banik, S. D. (2014). Body Mass Index and Blood Pressure Among Men of Three Ethnic Groups of Darjeeling, West Bengal, India. [Ecology of Food and Nutrition](#), 53(3), 256-272.

21 Cespedes, C. L., Salazar, J. R., Ariza-Castolo, A., Yamaguchi, L., Avila, J. G., Aqueveque, P., Kubo, I. & Alarcon, J. (2014). Biopesticides from plants: *Calceolaria integrifolia* s.l. [Environmental Research](#), 132, 391-406.

22 Cerecedo, D., Martinez-Vieyra, I., Alonso-Rangel, L., Benitez-Cardoza, C. & Ortega, A. (2014). Epithelial Sodium Channel Modulates Platelet Collagen Activation. [European Journal of Cell Biology](#), 93(3), 127-136.

- 23 Maravillas-Montero, J. L., Lopez-Ortega, O., Patino-Lopez, G. & Santos-Argumedo, L. (2014). Myosin 1g Regulates Cytoskeleton Plasticity, Cell Migration, Exocytosis, and Endocytosis in B Lymphocytes. [European Journal of Immunology](#), 44(3), 877-886.
- 24 Andreev, V., Baghdasaryan, A., Baghdasaryan, S. et al. (2014). Measurement of Inclusive Ep Cross Sections at High Q(2) at Root S=225 and 252 GeV and of the Longitudinal Proton Structure Function F-L at Hera. [European Physical Journal C](#), 74(4), 2814.
- 25 Serrano-Silva, N., Valenzuela-Encinas, C., Marsch, R., Dendooven, L. & Alcantara-Hernandez, R. J. (2014). Changes in Methane Oxidation Activity and Methanotrophic Community Composition in Saline Alkaline Soils. [Extremophiles](#), 18(3), 561-571.
- 26 Lauria, M., Piccinini, S., Pirona, R., Lund, G., Viotti, A. & Motto, M. (2014). Epigenetic Variation, Inheritance, and Parent-of-Origin Effects of Cytosine Methylation in Maize (Zea Mays). [Genetics](#), 196(3), 653-+.
- 27 Rizo-Dominguez, L., Munoz-Rodriguez, D., Vargas-Rosales, C., Torres-Roman, D. & Ramirez-Pacheco, J. (2014). Rtt Prediction in Heavy Tailed Networks. [Ieee Communications Letters](#), 18(4), 700-703.
- 28 Rodriguez-Avila, R., Nunez-Vega, G., Parra-Michel, R., Guzman, M. E. & Torres-Roman, D. L. (2014). A Frequency-Selective I/Q Imbalance Analysis Technique. [Ieee Transactions on Wireless Communications](#), 13(4), 1854-1861.
- 29 Lopez-Jaimes, A. & Coello-Coello, C. A. (2014). Including preferences into a multiobjective evolutionary algorithm to deal with many-objective engineering optimization problems. [Information Sciences](#), 277, 1-20.
- 30 Alberto, I., Coello-Coello, C. A. & Mateo, P. M. (2014). A comparative study of variation operators used for evolutionary multi-objective optimization. [Information Sciences](#), 273, 33-48.
- 31 Chavez-Urbiola, I. R., Bernal Martinez, J. A., Makhniy, V. P., Ramirez Bon, R. & Vorobiev, Y. V. (2014). Preparation of II-VI and IV-VI semiconductor films for solar cells by the isovalent substitution technique with a CBD-made substrate. [Inorganic Materials](#), 50(6), 546-550.
- 32 Munoz, L. N. & Maniscalco, D. P. (2014). Biological Treatment of Rice Culture in Greenhouse Conditions Using the Fungus Trichoderma Spp. [Interiencia](#), 39(3), 185-190.
- 33 Vazquez, C. R., Ramirez-Trevino, A. & Silva, M. (2014). Controllability of timed continuous Petri nets with uncontrollable transitions. [International Journal of Control](#), 87(3), 537-552.
- 34 Viva, F. A., Bruno, M. M., Franceschini, E. A., Thomas, Y. R. J., Ramos-Sanchez, G., Solorza-Feria, O. & Corti, H. R. (2014). Mesoporous carbon as Pt support for PEM fuel cell. [International Journal of Hydrogen Energy](#), 39(16), 8821-8826. f
- 35 Reyes, D. J. K., De Montellano Agso, Tzab, R. A. T., Oskam, G. & Gil, J. J. A. (2014). Effects of Uv-Vis Irradiation on Vanadium Etioporphyrins Extracted From Crude Oil and the Role of Nanostructured Titania. [International Journal of Photoenergy](#), 2014, 401239.

36 Puga, S., Bonilla, M., Malabre, M. & Lozano, R. (2014). Singularly Perturbed Implicit Control Law for Linear Time Varying Siso Systems. [International Journal of Robust and Nonlinear Control](#), 24(10), 1530-1549.

37 Gadella, M., Garcia-Ferrero, M. A., Gonzalez-Martin, S. & Maldonado-Villamizar, F. H. (2014). The Infinite Square Well With a Point Interaction: a Discussion on the Different Parameterizations. [International Journal of Theoretical Physics](#), 53(5), 1614-1627.

38 Cerqueda-Garcia, D., Martinez-Castilla, L. P., Falcon, L. I. & Delaye, L. (2014). Metabolic Analysis of Chlorobium Chlorochromatii Cad3 Reveals Clues of the Symbiosis in 'chlorochromatium Aggregatum'. [Isme Journal](#), 8(5), 991-998.

39 Hayashi, L., Bulboa, C., Kradolfer, P., Soriano, G. & Robledo, D. (2014). Cultivation of Red Seaweeds: a Latin American Perspective. [Journal of Applied Phycology](#), 26(2), 719-727.

40 Vazquez-Delfin, E., Robledo, D. & Freile-Pelegrin, Y. (2014). Microwave-Assisted Extraction of the Carrageenan From Hypnea Musciformis (Cystocloniaceae, Rhodophyta). [Journal of Applied Phycology](#), 26(2), 901-907.

41 Caamal-Fuentes, E., Chale-Dzul, J., Moo-Puc, R., Freile-Pelegrin, Y. & Robledo, D. (2014). Bioprospecting of Brown Seaweed (Ochrophyta) From the Yucatan Peninsula: Cytotoxic, Antiproliferative, and Antiprotozoal Activities. [Journal of Applied Phycology](#), 26(2), 1009-1017.

42 Hernandez-Vargas, J., Gonzalez-Campos, J. B., Lara-Romero, J., Prokhorov, E., Luna-Barcenas, G., Avina-Verduzco, J. A. & Gonzalez-Hernandez, J. C. (2014). Chitosan/ Mwcnts-Decorated With Silver Nanoparticle Composites: Dielectric and Antibacterial Characterization. [Journal of Applied Polymer Science](#), 131(9), 40214.

43 Taxilaga-Zetina, O., Pliego-Pastrana, P. & Carbajal-Tinoco, M. D. (2014). Rna Pseudo-Knots Simulated With a One-Bead Coarse-Grained Model. [Journal of Chemical Physics](#), 140(11), 115106.

44 Estrada-Reyes, R., Lopez-Rubalcava, C., Ferreyra-Cruz, O. A., Dorantes-Barron, A. M., Heinze, G., Aguilar, J. M. & Martinez-Vazquez, M. (2014). Central Nervous System Effects and Chemical Composition of Two Subspecies of Agastache Mexicana; an Ethnomedicine of Mexico. [Journal of Ethnopharmacology](#), 153(1), 98-110.

45 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Event Activity Dependence of (Ns) Production in=5.02 Tev Ppb and=2.76 Tev Pp Collisions. [Journal of High Energy Physics](#), (4), 103.

46 Sierra-Filardi, E., Nieto, C., Dominguez-Soto, A. et al. (2014). Ccl2 Shapes Macrophage Polarization by Gm-Csf and M-Csf: Identification of Ccl2/Ccr2-Dependent Gene Expression Profile. [Journal of Immunology](#), 192(8), 3858-3867.

47 Samaniego, R., Palacios, B. S., Domiguez-Soto, A. et al. (2014). Macrophage Uptake and Accumulation of Folates Are Polarization-Dependent in Vitro and in Vivo and Are Regulated by Activin a. [Journal of Leukocyte Biology](#), 95(5), 797-808.

48 Fernandez-Herrera, M. A., Zavala-Oseguera, C., Cabellos, J. L., Sandoval-Ramirez, J., Domingo, L. R. & Merino, G. (2014). Understanding the High Reactivity of Triazolinediones in Diels-Alder Reactions. A Dft Study. [Journal of Molecular Modeling](#), 20(4), 2207.

49 Garcia-Sanchez, E., Ramirez-Lopez, C. B., Talavera-Aleman, A. et al. (2014). Absolute Configuration of (13r)- and (13s)-Labdane Diterpenes Coexisting in Ageratina Jocotepecana. [Journal of Natural Products](#), 77(4), 1005-1012.

50 Lozada-Morales, R., Cid-Garcia, A., Cervantes-Juarez, E., Rincon, J. M., Lopez-Calzada, G., Carmona-Rodriguez, J., Zayas, M. E., Zelaya-Angel, O. & Jimenez-Sandoval, S. (2014). Analysis of vanadate compounds and glasses from the Cu-CdO-V2O5 ternary system. [Journal of Non-Crystalline Solids](#), 398-399, 10-15.

51 Garcia-Munoz, A., Bologna-Molina, R., Aldape-Barrios, B., Liceaga-Escalera, C., Montoya-Perez, L. A. & Rodriguez, M. A. (2014). Identification of Proteins With Increased Levels in Ameloblastic Carcinoma. [Journal of Oral and Maxillofacial Surgery](#), 72(6), 1183-1196.

52 Casarrubias-Castillo, K., Martinez-Gallardo, N. A. & Delano-Frier, J. P. (2014). Treatment of *Amaranthus cruentus* with chemical and biological inducers of resistance has contrasting effects on fitness and protection against compatible Gram positive and Gram negative bacterial pathogens. [Journal of Plant Physiology](#), 171(11), 927-939.

53 Alvarez, G., Montiel, H., Conde-Gallardo, A. & Zamorano, R. (2014). Evidence of Weak Ferromagnetism in $Pb(Fe_{2/3}W_{1/3})O_3$ Powders by Means of Non-Resonant Microwave Absorption. [Journal of Superconductivity and Novel Magnetism](#), 27(5), 1329-1333.

54 Azhmyakov, V., Basin, M. V. & Garcia, A. E. G. (2014). Optimal Control Processes Associated With a Class of Discontinuous Control Systems: Applications to Sliding Mode Dynamics. [Kybernetika](#), 50(1), 5-18.

55 Castaneda, L., Maldonado, A., Vega Perez, J., Olvera, M. L. & Torres-Torres, C. (2014). Electrical and optical properties of nanostructured indium doped zinc oxide thin films deposited by ultrasonic chemical spray technique, starting from zinc acetylacetonate and indium chloride. [Materials Science in Semiconductor Processing](#), 26, 288-293.

56 Galvan-Colmenares, S., Moreno-Armendariz, M. A., Rubio, J. D., Ortiz-Rodriguez, F., Yu, W. & Aguilar-Ibanez, C. F. (2014). Dual Pd Control Regulation With Nonlinear Compensation for a Ball and Plate System. [Mathematical Problems in Engineering](#), 2014, 894209.

57 Garcia-Castillo, H., Leal-Ugarte, E., Lazareno, P. C. O., Barrera-Chairez, E., Rosales-Garcia, V. H. & Barros-Nunez, P. (2014). Detection of Monoclonal Igh Rearrangements in Circulating Cells From Healthy First-Degree Relatives of Patients With Multiple Myeloma. [Medical Oncology](#), 31(4), 900.

58 Munoz, C. R. T., Jimenez, E. M., Pinto-Almazan, R., Gandarilla, J. A. D., Correa-Basurto, J., Trujillo-Ferrara, J. G., Guerra-Araiza, C., Rohana, P. T. & Percino, T. M. (2014). Effect of Two Series of Isoindolines Over Hdac8 Activity and Expression. [Medicinal Chemistry Research](#), 23(6), 3227-3234.

59 Hernandez-Rodriguez, A., Castro-Roman, M. D. J., Herrera-Trejo, M., Belmares-Perales, S. & Orozco-Gonzalez, P. (2014). Effects of the Fe/Mn Weight Ratio and Cooling Rate on the Area Fractions of Alpha-Alfesi and Beta-Alfesi Phases in Al-7.5si-3.75cu-0.5mg-0.55fe-Xmn Aluminum Alloy. [Metalurgija](#), 53(3), 314-316.

60 Meneses, C., Sanchez, J. G., Estrada, M., Cerdeira, A., Pallares, J., Iniguez, B. & Marsal, L. F. (2014). Characterization of MIS structures and PTFTs using TiOx deposited by spin-coating. [Microelectronics Reliability](#), 54(5), 893-898.

61 Manuel-Apolinar, L., Rocha, L., Damasio, L., Tesoro-Cruz, E. & Zarate, A. (2014). Role of Prenatal Undernutrition in the Expression of Serotonin, Dopamine and Leptin Receptors in Adult Mice: Implications of Food Intake. [Molecular Medicine Reports](#), 9(2), 407-412.

62 Mendoza-Espinosa, D., Negron-Silva, G. E., Lomas-Romero, L., Gutierrez-Carrillo, A. & Santillan, R. (2014). Pseudo-Four Component Synthesis of Mono- and Di-Benzylated-1,2,3-Triazoles Derived From Aniline. [Molecules](#), 19(1), 55-66.

63 Ortegon-Reyna, D., Garcias-Morales, C., Padilla-Martinez, I., Garcia-Baez, E., Ariza-Castolo, A., Peraza-Campos, A. & Martinez-Martinez, F. (2014). Nmr Structural Study of the Prototropic Equilibrium in Solution of Schiff Bases as Model Compounds. [Molecules](#), 19(1), 459-481.

64 Hernandez, M. E., Rembao, J. D., Hernandez-Baltazar, D. et al. (2014). Safety of the intravenous administration of neurotensin-polyplex nanoparticles in BALB/c mice. [Nanomedicine: Nanotechnology, Biology and Medicine](#), 10(4), 745-754.

65 Montes, R. A. C., Rosas-Cardenas, F. D., De Paoli, E. et al. (2014). Sample Sequencing of Vascular Plants Demonstrates Widespread Conservation and Divergence of Micrnas. [Nature Communications](#), 5, 3722.

66 Elhaik, E., Tatarinova, T., Chebotarev, D. et al. (2014). Geographic Population Structure Analysis of Worldwide Human Populations Infers Their Biogeographical Origins. [Nature Communications](#), 5, 3513.

67 De La Fraga, L. G. & Tlelo-Cuautle, E. (2014). Optimizing the Maximum Lyapunov Exponent and Phase Space Portraits in Multi-Scroll Chaotic Oscillators. [Nonlinear Dynamics](#), 76(2), 1503-1515.

68 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Electron and Photon Identification in the Do Experiment. [Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment](#), 750, 78-95.

69 Gomez-Galvan, F. & Mercado-Uribe, H. (2014). The Phase Transition of Poly(N-Isopropylacrylamide): the Effect of Aging. [Phase Transitions](#), 87(4), 336-343.

70 Bocarando-Chacon, J. G., Cortez-Valadez, M., Vargas-Vazquez, D., Melgarejo, F. R., Flores-Acosta, M., Mani-Gonzalez, P. G., Leon-Sarabia, E., Navarro-Badilla, A. & Ramirez-Bon, R. (2014). Raman Bands in Ag Nanoparticles Obtained in Extract of Opuntia Ficus-Indica Plant. [Physica E-Low-Dimensional Systems & Nanostructures](#), 59, 15-18.

- 71 Razo-Mejia, M., Boedicker, J. Q., Jones, D., Deluna, A., Kinney, J. B. & Phillips, R. (2014). Comparison of the Theoretical and Real-World Evolutionary Potential of a Genetic Circuit. [Physical Biology](#), 11(2), 026005.
- 72 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of Higher-Order Harmonic Azimuthal Anisotropy in Pbpb Collisions at Root S(Nn)=2.76 Tev. [Physical Review C](#), 89(4), 044906.
- 73 Perez, H., Kielanowski, P., Juarez, S. R. & Mora, G. (2014). Asymptotic Properties of Cp Violation in the Standard Model. [Physical Review D](#), 89(7), 073014.
- 74 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Double Parton Interactions in Gamma+3 Jet and Gamma Plus B/C Jet+2 Jet Events in P(P)Over-Bar Collisions at Root S=1.96 Tev. [Physical Review D](#), 89(7), 072006.
- 75 Aaltonen, T., Abazov, V. M., Abbott, B. et al. (2014). Combination of Measurements of the Top-Quark Pair Production Cross Section From the Tevatron Collider. [Physical Review D](#), 89(7), 072001.
- 76 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of the W Boson Production Charge Asymmetry in P(P)Over-Bar -> W Plus X -> Ev Plus X Events at Root S=1.96 Tev. [Physical Review Letters](#), 112(15), 151803.
- 77 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for Baryon Number Violation in Top-Quark Decays. [Physics Letters B](#), 731, 173-196.
- 78 Cataldo, M. & Garcia, A. A. (2014). Radiation in (2+1)-dimensions. [Physics Letters B](#), 734, 58-63.
- 79 Montiel, A., Salzano, V. & Lazkoz, R. (2014). Observational constraints on the unified dark matter and dark energy model based on the quark bag model. [Physics Letters B](#), 733, 209-216.
- 80 Contreras-Cornejo, H. A., Macias-Rodriguez, L., Herrera-Estrella, A. & Lopez-Bucio, J. (2014). The 4-Phosphopantetheinyl Transferase of Trichoderma Virens Plays a Role in Plant Protection Against Botrytis Cinerea Through Volatile Organic Compound Emission. [Plant and Soil](#), 379(1-2), 261-274.
- 81 Garay, E., Campos, S. E., De La Cruz, J. G., Gaspar, A. P., Jinich, A. & Deluna, A. (2014). High-Resolution Profiling of Stationary-Phase Survival Reveals Yeast Longevity Factors and Their Genetic Interactions. [Plos Genetics](#), 10(2), e1004168.
- 82 Chavez-Alvarez, R., Chavoya, A. & Mendez-Vazquez, A. (2014). Discovery of Possible Gene Relationships Through the Application of Self-Organizing Maps to Dna Microarray Databases. [Plos One](#), 9(4), e93233.
- 83 Antonio-Perez, A., Aldaz-Martinez, L. M., Meneses-Acosta, A. & Ortega-Lopez, J. (2014). Refolding of Lysozyme Assisted by Molecular Chaperones Immobilized in Cellulose: the Operational Conditions That Affect Refolding Yields. [Revista Mexicana De Ingenieria Quimica](#), 13(1), 83-91.

84 Velazquez-Sanchez, H. I., Montes-Horcasitas, M. C. & Aguilar-Lopez, R. (2014). Development of a Phenomenological Kinetic Model for Butanol Production Using Clostridium Beijerinckii. [Revista Mexicana De Ingenieria Quimica](#), 13(1), 103-112.

85 Tapia-Picazo, J. C., Garcia-Chavez, A., Gonzalez-Nunez, R., Bonilla-Petriciolet, A., Luna-Barcenas, G., Champion-Coria, A. & Alvarez-Castillo, A. (2014). Performance of a Modified Extruder for Polyester Fiber Production Using Recycled Pet. [Revista Mexicana De Ingenieria Quimica](#), 13(1), 337-344.

86 Caminero, A., Calvo, E., Valentin, E., Ruiz-Herrera, J., Lopez, J. A. & Sentandreu, R. (2014). Identification of Candida Albicans Wall Mannoproteins Covalently Linked by Disulphide and/or Alkali-Sensitive Bridges. [Yeast](#), 31(4), 137-144.

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

87 Lucio, R. A., Rodriguez-Piedracruz, V., Tlachi-Lopez, J. L., Garcia-Lorenzana, M. & Fernandez-Guasti, A. (2014). Copulation Without Seminal Expulsion: the Consequence of Sexual Satiation and the Coolidge Effect. [Andrology](#), 2(3), 450-457.

88 Ximenez, C., Gonzalez, E., Nieves, M. E. et al. (2014). Entamoeba Histolytica and E. Dispar Calreticulin: Inhibition of Classical Complement Pathway and Differences in the Level of Expression in Amoebic Liver Abscess. [Biomed Research International](#), 2014, 127453.

89 Moreno, V. C., Pozos, J. J. S. & Badillo, G. Z. (2014). Can Science's Students Recognize the Logical Arguments Involved in a Demonstration? [Ensenanza De Las Ciencias](#), 32(1), 117-138.

90 Contreras, J. P. & Ramirez, J. M. (2014). Multi-Fed Power Electronic Transformer for Use in Modern Distribution Systems. [Ieee Transactions on Smart Grid](#), 5(3), 1532-1541.

91 Tirado-Mendez, J. A., Acevo-Herrera, R., Iturbide-Sanchez, F., Flores-Leal, R., Linares-Miranda, R. & Jardon-Aguilar, H. (2014). Ultra-Wideband Pifa With a Convex-Shaped Feeding Line. [Journal of Electromagnetic Waves and Applications](#), 28(9), 1154-1165.

92 Vidhyadharan, B., Mison, I. I., Aziz, R. A., Padmasree, K. P., Yusoff, M. M. & Jose, R. (2014). Superior Supercapacitive Performance in Electrospun Copper Oxide Nanowire Electrodes. [Journal of Materials Chemistry A](#), 2(18), 6578-6588.

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

93 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for Anomalous Production in the Highly-Boosted All-Hadronic Final State (Vol 09, 029, 2012). [Journal of High Energy Physics](#), (3), 132.

94 Celikovskiy, S., Cepek, O., Flusser, J. et al. (2014). Editorial. [Kybernetika](#), 50(1), 1.



ARTÍCULOS DEL MES DE JUNIO DE 2014

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

1 Okolodkov, Y. B., Merino-Virgilio, F. D., Ake-Castillo, J. A., Aguilar-Trujillo, A. C., Espinosa-Matias, S. & Herrera-Silveira, J. A. (2014). Seasonal Changes in Epiphytic Dinoflagellate Assemblages Near the Northern Coast of the Yucatan Peninsula, Gulf of Mexico. [Acta Botanica Mexicana](#), 107, 121-151.

2 Morelos-Gomez, A., Mani-Gonzalez, P. G., Aliev, A. E., Munoz-Sandoval, E., Herrera-Gomez, A., Zakhidov, A. A., Terrones, H., Endo, M. & Terrones, M. (2014). Controlling the Optical, Electrical and Chemical Properties of Carbon Inverse Opal by Nitrogen Doping. [Advanced Functional Materials](#), 24(18), 2612-2619.

3 Porcar, M., Delecluse, A., Ibarra, J. E. & Juarez-Perez, V. (2014). Early Transcription of Bacillus Thuringiensis Cry Genes in Strains Active on Lepidopteran Species and the Role of Gene Content on Their Expression. [Antonie Van Leeuwenhoek International Journal of General and Molecular Microbiology](#), 105(6), 1007-1015.

4 Barrera-Figueroa, V., Kravchenko, V. V. & Rabinovich, V. S. (2014). Spectral Parameter Power Series Analysis of Isotropic Planarly Layered Waveguides. [Applicable Analysis](#), 93(4), 729-755.

5 Treesatayapun, C. (2014). Balancing Control Energy and Tracking Error for Fuzzy Rule Emulated Adaptive Controller. [Applied Intelligence](#), 40(4), 639-648.

6 Barbachano-Torres, A., Castelblanco-Matiz, L. M., Ramos-Valdivia, A. C., Cerda-Garcia-Rojas, C. M., Salgado, L. M., Flores-Ortiz, C. M. & Ponce-Noyola, T. (2014). Analysis of proteomic changes in colored mutants of Xanthophyllomyces dendrorhous(Phaffia rhodozyma). [Archives of Microbiology](#), 196, 411-421.

7 Fonseca, W., Ozawa, M., Hatta, M., Orozco, E., Martinez, M. & Kawaoka, Y. (2014). A Recombinant Influenza Virus Vaccine Expressing the F Protein of Respiratory Syncytial Virus. [Archives of Virology](#), 159(5), 1067-1077.

8 Sira-Ramirez, H., Castro-Linares, R. & Puriel-Gil, G. (2014). An Active Disturbance Rejection Approach to Leader-Follower Controlled Formation. [Asian Journal of Control](#), 16(2), 382-395.

9 Ornelas-Tellez, F., Rico, J. J. & Ruiz-Cruz, R. (2014). Optimal Tracking for State-Dependent Coefficient Factorized Nonlinear Systems. [Asian Journal of Control](#), 16(3), 890-903.

10 Gabbasov, R. F., Rosado, M. & Klapp, J. (2014). An Interaction Scenario of the Galaxy Pair Ngc 3893/96 (Kpg 302): a Single Passage? [Astrophysical Journal](#), 787(1), 39.

11 Ortiz, E., Rendon-Anaya, M., Rego, S. C., Schwartz, E. F. & Possani, L. D. (2014). Antarease-Like Zn-Metalloproteases Are Ubiquitous in the Venom of Different Scorpion Genera. [Biochimica Et Biophysica Acta-General Subjects](#), 1840(6), 1738-1746.

12 Oliva, A. I., Corona, J. E., Patino, R. & Oliva-Aviles, A. I. (2014). Chemical Bath Deposition of Cds Thin Films Doped With Zn and Cu. [Bulletin of Materials Science](#), 37(2), 247-255.

13 Bandala, Y., Reyes-Rangel, G., Obregon-Zuniga, A., Cruz-Hernandez, C., Corzo, G. & Juaristi, E. (2014). Trans-Hexahydrobenzoxazolidinones in the Enantioselective Synthesis of Beta(2)-Amino Acids Containing Proteinogenic Side Chains. [European Journal of Organic Chemistry](#), 2014(11), 2275-2283.

14 Diaz-Triste, N. E., Gonzalez-Garcia, M. P., Jimenez-Andrade, J. M., Castaneda-Hernandez, G. & Chavez-Pina, A. E. (2014). Pharmacological Evidence for the Participation of No-(C)Gmp-K-Atp Pathway in the Gastric Protective Effect of Curcumin Against Indomethacin-Induced Gastric Injury in the Rat. [European Journal of Pharmacology](#), 730, 102-106.

15 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the top-quark mass in all-jets tt over bar events in pp collisions at root s=7 TeV. [European Physical Journal C](#), 74, 2758.

16 Gonzalez-Gutierrez, J., Carrillo-Estrada, J. L., Carvente, O. & Ruiz-Suarez, J. C. (2014). Free-energy landscapes of granular clusters grown by magnetic interaction. [European Physical Journal E](#), 37, 37.

17 Omana-Molina, M. A., Gonzalez-Robles, A., Salazar-Villatoro, L., Bernal-Escobar, A., Duran-Diaz, A., Mendez-Cruz, A. R. & Martinez-Palomo, A. (2014). Silicone Hydrogel Contact Lenses Surface Promote Acanthamoeba Castellanii Trophozoites Adherence: Qualitative and Quantitative Analysis. [Eye & Contact Lens-Science and Clinical Practice](#), 40(3), 132-139.

18 Tapia-Picazo, J. C., Luna-Barcenas, J. G., Garcia-Chavez, A., Gonzalez-Nunez, R., Bonilla-Petriciolet, A. & Alvarez-Castillo, A. (2014). Polyester Fiber Production Using Virgin and Recycled Pet. [Fibers and Polymers](#), 15(3), 547-552.

19 Torres-Irineo, E., Gaertner, D., Chassot, E. & Dreyfus-Leon, M. (2014). Changes in Fishing Power and Fishing Strategies Driven by New Technologies: the Case of Tropical Tuna Purse Seiners in the Eastern Atlantic Ocean. [Fisheries Research](#), 155, 10-19.

20 Garrido, R. & Concha, A. (2014). Inertia and Friction Estimation of a Velocity-Controlled Servo Using Position Measurements. [Ieee Transactions on Industrial Electronics](#), 61(9), 4759-4770.

21 Dominguez, J. R., Navarrete, A., Meza, M. A., Loukianov, A. G. & Canedo, J. (2014). Digital Sliding-Mode Sensorless Control for Surface-Mounted Pmsm. [Ieee Transactions on Industrial Informatics](#), 10(1), 137-151.

22 Juarez-Abad, J. A., Linares-Flores, J., Guzman-Ramirez, E. & Sira-Ramirez, H. (2014). Generalized Proportional Integral Tracking Controller for a Single-Phase Multilevel Cascade Inverter: an Fpga Implementation. [Ieee Transactions on Industrial Informatics](#), 10(1), 256-266.

*23 Reyes-Martinez, J. E., Nieto-Patlan, E., Nieto-Patlan, A. et al. (2014). Differential Activation of Dendritic Cells by Mycobacterium Tuberculosis Beijing Genotype. [Immunological Investigations](#), 43(5), 436-446.

- 24 Bello-Teodoro, S., Perez-Garibay, R. & Bouchard, J. (2014). Synthesis of Different Manganese Oxides Using SO_2/O_2 Gas Mixtures at Different Temperatures. [Industrial & Engineering Chemistry Research](#), 53(19), 7965-7970.
- 25 Navarro-Garcia, F., Serapio-Palacios, A., Vidal, J. E., Salazar, M. I. & Tapia-Pastrana, G. (2014). Espc Promotes Epithelial Cell Detachment by Enteropathogenic Escherichia Coli Via Sequential Cleavages of a Cytoskeletal Protein and Then Focal Adhesion Proteins. [Infection and Immunity](#), 82(6), 2255-2265.
- 26 Miotto, M. C., Rodriguez, E. E., Valiente-Gabioud, A. A., Torres-Monserrat, V., Binolfi, A., Quintanar, L., Zweckstetter, M., Griesinger, C. & Fernandez, C. O. (2014). Site-Specific Copper-Catalyzed Oxidation of Alpha-Synuclein: Tightening the Link Between Metal Binding and Protein Oxidative Damage in Parkinson's Disease. [Inorganic Chemistry](#), 53(9), 4350-4358.
- 27 Morales, R., Sira-Ramirez, H. & Feliu, V. (2014). Adaptive Control Based on Fast Online Algebraic Identification and Gpi Control for Magnetic Levitation Systems With Time-Varying Input Gain. [International Journal of Control](#), 87(8), 1604-1621.
- *28 Hernandez-Marquez, E., Lagunas-Martinez, A., Bermudez-Morales, V. H. et al. (2014). Inhibitory Activity of Lingzhi or Reishi Medicinal Mushroom, Ganoderma Lucidum (Higher Basidiomycetes) on Transformed Cells by Human Papillomavirus. [International Journal of Medicinal Mushrooms](#), 16(2), 179-187.
- 29 Marin, J. M., Delgado, G. T., Frutis, M. A. A., Perez, R. C. & Angel, O. Z. (2014). Au/Cu₂Te/CdTe/Cds/Tco/Glass Solar Cells With Cdin₂O₄ Obtained by Sol-Gel as Tco. [International Journal of Photoenergy](#), 2014, 920785.
- 30 Estrada-Vargas, A. P., Lopez-Mellado, E. & Lesage, J. J. (2014). Input-Output Identification of Controlled Discrete Manufacturing Systems. [International Journal of Systems Science](#), 45(3), 456-471.
- 31 Martinez, N. P., Trejo, M. H., Estrella, R. M., Roman, M. D. C., Esparza, R. M. & Villareal, M. C. (2014). Induration Process of Pellets Prepared From Mixed Magnetite-35% Hematite Concentrates. [Isij International](#), 54(3), 605-612.
- 32 Hernandez-Herrera, R. M., Virgen-Calleros, G., Ruiz-Lopez, M., Zanudo-Hernandez, J., Delano-Frier, J. P. & Sanchez-Hernandez, C. (2014). Extracts from green and brown seaweeds protect tomato (Solanum lycopersicum) against the necrotrophic fungus Alternaria solani. [Journal of Applied Phycology](#), 26, 1607-1614.
- 33 Javier, F. R. F., Luis, R. R. J., Fernando, C. C. & Javier, E. B. F. (2014). Resonance Tracking Atomic Force Acoustic Microscopy Quantitative Modulus Mapping of Carbon Nanotubes-Reinforced Acrylonitrile-Butadiene-Styrene Polymer. [Journal of Applied Polymer Science](#), 131(16), 40628.
- 34 Jiang, K., Rankin, C. R., Nava, P., Sumagin, R., Kamekura, R., Stowell, S. R., Feng, M. L., Parkos, C. A. & Nusrat, A. (2014). Galectin-3 Regulates Desmoglein-2 and Intestinal Epithelial Intercellular Adhesion. [Journal of Biological Chemistry](#), 289(15), 10510-10517.

*35 May-Ku, M. A., Criales, M. M., Montero-Munoz, J. L. & Ardisson, P. L. (2014). Differential Use of *Thalassia Testudinum* Habitats by Sympatric Penaeids in a Nursery Ground of the Southern Gulf of Mexico. [Journal of Crustacean Biology](#), 34(2), 144-156.

36 Mendez-Albores, A., Zamora-Rodriguez, D., Arambula-Villa, G., Vazquez-Duran, A. & Moreno-Martinez, E. (2014). Impact of Different Alkaline-Heating Processes on Technological and Nutritional Properties of Maize Tortillas. [Journal of Food and Nutrition Research](#), 53(1), 60-70.

37 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurements of the T(T)Overbar Charge Asymmetry Using the Dilepton Decay Channel in Pp Collisions at Root S=7 Tev. [Journal of High Energy Physics](#), (4), 191.

38 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Evidence for the 125 GeV Higgs boson decaying to a pair of tau leptons. [Journal of High Energy Physics](#), (5), 104.

39 Nodooshan, H. R. J., Liu, W. C., Wu, G. H., Bahrami, A., Pech-Canul, M. I. & Emamy, M. (2014). Mechanical and Tribological Characterization of Al-Mg₂Si Composites After Yttrium Addition and Heat Treatment. [Journal of Materials Engineering and Performance](#), 23(4), 1146-1156.

*40 Gamez-Mendez, A. M., Vargas-Robles, H., Arellano-Mendoza, M., Cruz-Laguna, E., Rios, A. & Escalante, B. (2014). Early Stage of Obesity Potentiates Nitric Oxide Reduction During the Development of Renal Failure. [Journal of Nephrology](#), 27(3), 281-287.

41 Bernal-Hernandez, Y. Y., Medina-Diaz, I. M., Barron-Vivanco, B. S., Robledo-Marengo, M. D., Giron-Perez, M. I., Perez-Herrera, N. E., Quintanilla-Vega, B., Cerda-Flores, R. & Rojas-Garcia, A. E. (2014). Paraoxonase 1 and Its Relationship With Pesticide Biomarkers in Indigenous Mexican Farmworkers. [Journal of Occupational and Environmental Medicine](#), 56(3), 281-290.

42 Banuelos-Hernandez, A. E., Mendoza-Espinoza, J. A., Pereda-Miranda, R. & Cerda-Garcia-Rojas, C. M. (2014). Studies of (-)-Pironein Binding to Alpha-Tubulin: Conformation, Docking, and Molecular Dynamics. [Journal of Organic Chemistry](#), 79(9), 3752-3764.

43 Diliegros-Godines, C. J., Castanedo-Perez, R., Torres-Delgado, G. & Zelaya-Angel, O. (2014). Structural, electrical and optical properties of tin doped cadmium oxide thin films obtained by sol-gel. [Journal of Sol-Gel Science and Technology](#), 70, 500-505.

44 Gonzalez-Panzo, I. J., Martin-Varguez, P. E. & Oliva, A. I. (2014). Physicochemical Conditions for ZnS Films Deposited by Chemical Bath. [Journal of the Electrochemical Society](#), 161(4), D181-D189.

45 Morales-Acosta, M. D., Quevedo-Lopez, M. A. & Ramirez-Bon, R. (2014). Pmma-Sio₂ Hybrid Films as Gate Dielectric for ZnO Based Thin-Film Transistors. [Materials Chemistry and Physics](#), 146(3), 380-388.

46 Ortiz-Ramos, D. E., Gonzalez, L. A. & Ramirez-Bon, R. (2014). P-Type Transparent Cu Doped ZnS Thin Films by the Chemical Bath Deposition Method. [Materials Letters](#), 124, 267-270.

- 47 Alanis, A. Y., Lastire, E. A., Arana-Daniel, N. & Lopez-Franco, C. (2014). Inverse Optimal Control With Speed Gradient for a Power Electric System Using a Neural Reduced Model. [Mathematical Problems in Engineering](#), 2014, 514608.
- 48 Reyes-Trejo, B., Guerra-Ramirez, D., Zuleta-Prada, H., Santillan, R., Sanchez-Mendoza, M. E., Arrieta, J. & Reyes, L. (2014). Molecular Disorder in (-)-Encecanescin. [Molecules](#), 19(4), 4695-4707.
- 49 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the W Gamma and Z Gamma Inclusive Cross Sections in Pp Collisions at Root S=7 Tev and Limits on Anomalous Triple Gauge Boson Couplings. [Physical Review D](#), 89(9), 092005.
- 50 Roig, P., Guevara, A. & Castro, G. L. (2014). Vv ' P Form Factors in Resonance Chiral Theory and the Pi-Eta-Eta ' Light-by-Light Contribution to the Muon G-2. [Physical Review D](#), 89(7), 073016.
- 51 Aab, A., Abreu, P., Aglietta, M. et al. (2014). Probing the Radio Emission From Air Showers With Polarization Measurements. [Physical Review D](#), 89(5), 052002.
- 52 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the Properties of a Higgs Boson in the Four-Lepton Final State. [Physical Review D](#), 89(9), 092007.
- 53 Gonzalez-Gutierrez, J., Carrillo-Estrada, J. L. & Ruiz-Suarez, J. C. (2014). Nucleation, Aggregation, Annealing, and Disintegration of Granular Clusters. [Physical Review E](#), 89(5), 052205.
- 54 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of Inclusive W and Z Boson Production Cross Sections in Pp Collisions at Root S=8 Tev. [Physical Review Letters](#), 112(19), 191802.
- 55 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for Top-Quark Partners With Charge 5/3 in the Same-Sign Dilepton Final State. [Physical Review Letters](#), 112(17), 171801.
- 56 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurements of T(T)Over-Bar Spin Correlations and Top-Quark Polarization Using Dilepton Final States in Pp Collisions at Root S=7 Tev. [Physical Review Letters](#), 112(18), 182001.
- 57 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for Flavor-Changing Neutral Currents in Top-Quark Decays T -> Zq in Pp Collisions at Root S=8 Tev. [Physical Review Letters](#), 112(17), 171802.
- 58 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. [Physical Review Letters](#), 112(16), 161802.
- 59 Yee-Rendon, B., Lopez-Fernandez, R., Barranco, J., Calaga, R., Marsili, A., Tomas, R., Zimmermann, F. & Bouly, F. (2014). Simulations of Fast Crab Cavity Failures in the High Luminosity Large Hadron Collider. [Physical Review Special Topics-Accelerators and Beams](#), 17(5), 051001.
- 60 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Searches for Light- and Heavy-Flavour Three-Jet Resonances in Pp Collisions at Root S=8 Tev. [Physics Letters B](#), 730, 193-214.

- 61 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Modification of Jet Shapes in Pbpb Collisions at Root $S(Nn)=2.76$ Tev. [Physics Letters B](#), 730, 243-263.
- 62 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for Supersymmetry in Pp Collisions at Root $S=8$ Tev in Events With a Single Lepton, Large Jet Multiplicity, and Multiple B Jets. [Physics Letters B](#), 733, 328-353.
- 63 Herrera-Ubaldo, H., Zanchetti, E., Colombo, L. & De Folter, S. (2014). Protein Interactions Guiding Carpel and Fruit Development in Arabidopsis. [Plant Biosystems](#), 148(1), 169-175.
- 64 Cordero, J. G., Juarez, M. L., Gonzalez-Y-Merchand, J. A., Barron, L. C. & Castaneda, B. G. (2014). Caveolin-1 in Lipid Rafts Interacts With Dengue Virus Ns3 During Polyprotein Processing and Replication in Hmec-1 Cells. [Plos One](#), 9(3), e90704.
- 65 Castillo-Rodriguez, R. A., Arango-Rodriguez, M. L., Escobedo, L., Hernandez-Baltazar, D., Gompel, A., Forgez, P. & Martinez-Fong, D. (2014). Suicide Hsvtk Gene Delivery by Neurotensin-Polyplex Nanoparticles Via the Bloodstream and Gcv Treatment Specifically Inhibit the Growth of Human Mda-Mb-231 Triple Negative Breast Cancer Tumors Xenografted in Athymic Mice. [Plos One](#), 9(5), e97151.
- 66 Qin, C., Yu, C. S., Shen, Y. O. et al. (2014). Whole-Genome Sequencing of Cultivated and Wild Peppers Provides Insights Into Capsicum Domestication and Specialization. [Proceedings of the National Academy of Sciences of the United States of America](#), 111(14), 5135-5140.
- 67 Baqueiro-Cardenas, E. & Aldana-Aranda, D. (2014). Growth parameters and density variation of a queen conch, *Strombus gigas*(Neotaenioglossa: Strombidae), population from Xel-Ha park, a marine protected area. [Revista De Biologia Tropical](#), 62(1), 45-57.
- 68 Parada, S. E. & Pluvinage, F. (2014). Considerations on Didactic Thinking by Teachers of Mathematics. [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 17(1), 83-113.
- 69 Morua-Ramirez, M., Ramirez-Argaez, M., Gonzalez-Rivera, C., Juarez-Hernandez, A. & Herrera-Trejo, M. (2014). Determination of the Kinetics of Grain Growth During Solidification of a Near Eutectic Al-Cu. [Revista Mexicana De Fisica](#), 60(3), 176-183.
- 70 Rebollo-Plata, B., Sampedro, M. P., Gallardo-Gomez, G., Ortega-Miranda, N., Bravo-Barrera, C. F., Daniel-Perez, G., Zenteno-Mateo, B., Hernandez-Cruz, D. & Jimenez-Sandoval, S. (2014). Growth of Metal Micro and/or Nanoparticles Utilizing Arc-Discharge Immersed in Liquid. [Revista Mexicana De Fisica](#), 60(3), 227-232.
- 71 Arenas-Gomez, B. L. & Carbajal-Tinoco, M. D. (2014). Brownian Motion of a Colloidal Particle Immersed in a Polymeric Solution Near a Rigid Wall. [Revista Mexicana De Fisica](#), 60(3), 243-248.
- 72 Poot-Salazar, A., Hernandez-Flores, A. & Ardisson, P. L. (2014). Use of the Slw Index to Calculate Growth Function in the Sea Cucumber *Isostichopus Badionotus*. [Scientific Reports](#), 4, 5151.

73 Escalona-Vargas, D. I., Lopez-Arevalo, I. & Gutierrez, D. (2014). Multicompare Tests of the Performance of Different Metaheuristics in Eeg Dipole Source Localization. [Scientific World Journal](#), 2014, 524367.

74 Gomez-Pozos, H., Gonzalez-Vidal, J. L., Torres, G. A., Olvera, M. D. & Castaneda, L. (2014). Physical Characterization and Effect of Effective Surface Area on the Sensing Properties of Tin Dioxide Thin Solid Films in a Propane Atmosphere. [Sensors](#), 14(1), 403-415.

75 O'carroll, L., Planas-Vilanova, F. & Villarreal, R. H. (2014). Degree and Algebraic Properties of Lattice and Matrix Ideals. [Siam Journal on Discrete Mathematics](#), 28(1), 394-427.

76 Cruz-Gonzalez, D. Y., Gonzalez-Olvera, R., Negron-Silva, G. E., Lomas-Romero, L., Gutierrez-Carrillo, A., Palomar-Pardave, M. E., Romero-Romo, M. A., Santillan, R. & Uruchurtu, J. (2014). One-Pot Three-Component Synthesis of New Mono- and Bis-1,2,3-Triazole Derivatives of 2-Benzimidazolethiol With a Promising Inhibitory Activity Against Acidic Corrosion of Steel. [Synthesis-Stuttgart](#), 46(9), 1217-1223.

77 Mendoza-Espinosa, D., Negron-Silva, G., Lomas-Romero, L., Gutierrez-Carrillo, A. & Santillan, R. (2014). Facile One-Pot Synthesis of 1,2,3-Triazoles Featuring Oxygen, Nitrogen, and Sulfur Functionalized Pendant Arms. [Synthetic Communications](#), 44(6), 807-817.

78 Munoz, F. A., Franco-Noguez, S. Y., Gonzalez-Ballesteros, E., Negrete-Philippe, A. C. & Flores-Romo, L. (2014). Characterisation of the green turtle's leukocyte subpopulations by flow cytometry and evaluation of their phagocytic activity. [Veterinary Research Communications](#), 38, 123-128.

79 Adame, M. F., Teutli, C., Santini, N. S., Caamal, J. P., Zaldivar-Jimenez, A., Hernandez, R. & Herrera-Silveira, J. A. (2014). Root Biomass and Production of Mangroves Surrounding a Karstic Oligotrophic Coastal Lagoon. [Wetlands](#), 34, 479-488.

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

80 Saldivar, B., Mondie, S. & Seuret, A. (2014). Suppressing Stick-Slip Oscillations in Oilwell Drillstrings. [Advances in Delays and Dynamics](#), 2, 189-203.

81 Avila-Contreras, C., Medina, O., Jaime, K. & Ramos, F. (2014). An Agent Cognitive Model for Visual Attention and Response to Novelty. [Advances in Intelligent Systems and Computing](#), 296, 27-36.

82 Jasso-Fuentes, H., Mertz, L. & Phillip-Yam, S. C. (2014). Approximate Solutions of a Stochastic Variational Inequality Modeling an Elasto-Plastic Problem with Noise. [Applied Mathematics Research Express](#), (1), 52-73.

83 Vega-Penalzoa, A., Sanchez-Antonio, O., Avila-Ortiz, C. G., Escudero-Casao, M. & Juaristi, E. (2014). An Alternative Synthesis of Chiral (S)- Proline Derivatives That Contain a Thiohydantoin Moiety and Their Application as Organocatalysts in the Asymmetric Michael Addition Reaction Under Solvent- Free Conditions. [Asian Journal of Organic Chemistry](#), 3(4), 487-496.

84 Helguera-Repetto, A. C., Chacon-Salinas, R., Cerna-Cortes, J. F., Rivera-Gutierrez, S., Ortiz-Navarrete, V., Estrada-Garcia, I. & Gonzalez-Y-Merchand, J. A. (2014). Differential Macrophage Response to Slow- and Fast-Growing Pathogenic Mycobacteria. [Biomed Research International](#), 2014, 916521.

85 Beltran-Carbajal, F., Silva-Navarro, G. & Trujillo-Franco, L. G. (2014). Evaluation of On-Line Algebraic Modal Parameter Identification Method. [Conference Proceedings of the Society for Experimental Mechanics Series](#), p145-152.

86 Silva-Navarro, G., Enriquez-Zarate, J. & Belandria-Carvajal, M. E. (2014). Application of Positive Position Feedback Control Schemes in a Building-Like Structure. [Conference Proceedings of the Society for Experimental Mechanics Series](#), p469-477.

87 Zaidi, M. B. & Estrada-Garcia, T. (2014). Shigella: A Highly Virulent and Elusive Pathogen. [Current Tropical Medicine Reports](#), 1, 81-87.

88 Estrada-Garcia, T., Perez-Martinez, I., Bernal-Reynaga, R. & Zaidi, M. B. (2014). Enteroaggregative Escherichia coli: A Pathogen Bridging the North and South. [Current Tropical Medicine Reports](#), 1, 88-96.

89 Frixione, E. (2014). Consciousness and Neuronal Microtubules: The Penrose-Hameroff Quantum Model in Retrospect. [History, Philosophy and Theory of the Life Sciences](#), 6, 303-331.

*90 Li, X. O. & Yu, W. (2014). Fast Support Vector Machine Classification for Large Data Sets. [International Journal of Computational Intelligence Systems](#), 7(2), 197-212.

91 Oliveira, T., Lopez, J., Aranha, D. F. & Rodriguez-Henriquez, F. (2014). Two is the fastest prime: lambda coordinates for binary elliptic curves. [Journal of Cryptographic Engineering](#), 4, 3-17.

92 Bermudez, D., Contreras-Astorga, A. & Fernandez-Cabrera, D. J. (2014). Linearized coherent states for Hamiltonian systems with two equidistant ladder spectra. [Journal of Physics: Conference Series](#), 512, 012018.

93 Cisneros-De-La-Rosa, A., Cortes-Mestizo, I. E., Cruz-Hernandez, E., Mendez-Garcia, V. H., Zamora-Peredo, L., Gonzalez-Fernandez, J. V., Balderas-Navarro, R., Gorbachev, A. Y. & Lopez-Lopez, M. (2014). Effect of Surface States on the Electrical Properties of Mbe Grown Modulation Doped AlGaAs/GaAs. [Journal of Vacuum Science & Technology B](#), 32(2), 02C110.

94 Adj, G., Menezes, A., Oliveira, T. & Rodriguez-Henriquez, F. (2014). Weakness of F36-509 for Discrete Logarithm Cryptography. [Lecture Notes in Computer Science](#), 8365, 20-44.

95 Hjar-Miranda, J. A., Hernandez-Rubio, E. & Meneses-Viveros, A. (2014). Analysis of Luria Memory Tests for Development on Mobile Devices. [Lecture Notes in Computer Science](#), 8529, 546-557.

96 Ordonez-Miranda, J., Yang, R. & Alvarado-Gil, J. J. (2014). Thermal Conductivity of Particulate Nanocomposites. [Lecture Notes in Nanoscale Science and Technology](#), 16, 93-139.

97 Baruch, I. & Echeverria-Saldierna, E. (2014). Decentralized Fuzzy-Neural Identification and I-Term Adaptive Control of Distributed Parameter Bioprocess Plant. [Studies in Computational Intelligence](#), 561, 1-43.

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

98 Lopez, M. G. (2014). Lo que no sabias... fructanos de agave *Agave* haw. [Tecno Agave](#), (29), 24-25.

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

99 Zaina, S. & Lund, G. (2014). Atherosclerosis: Cell Biology and Lipoproteins - Epigenetics and Oxidation in Atherosclerosis. [Current Opinion in Lipidology](#), 25(3), 235-236.

100 Heil, M. (2014). Relevance Versus Reproducibility-Solving a Common Dilemma in Chemical Ecology. [Journal of Chemical Ecology](#), 40(4), 315-316.

101 Woodward, J. J. & Cruz, S. L. (2014). Introduction and Summary to the Special Issue "Advances in the Neurobiological Basis of Inhalant Abuse". [Journal of Drug and Alcohol Research](#), 3, 235843.

102 Gorev, N. B., Kodzheshirova, I. F., Kovalenko, Y., Prokhorov, E. & Trapaga, G. (2014). Method to Cope With Zero Flows in Newton Solvers for Water Distribution Systems". [Journal of Hydraulic Engineering](#), 140(6), 08014001.

*103 Gorev, N. B., Kodzheshirova, I. F., Kovalenko, Y., Prokhorov, E. & Trapaga, G. (2014). Closure to "Method to Cope With Zero Flows in Newton Solvers for Water Distribution Systems" by Nikolai B. Gorev, Inna F. Kodzheshirova, Yuriy Kovalenko, Eugenio Prokhorov, and Gerardo Trapaga. [Journal of Hydraulic Engineering](#), 140(4), 0714004.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

*104 Salazar-Gonzalez, R., Portales-Perez, D. P., Romano-Moreno, S., Gomez-Ortega, R., Magana-Aquino, M., Medellin-Garibay, S., Nunez-Ruiz, A., Rodriguez-Pinal, C. & Milan-Segovia, R. D. C. (2014). *Nat2* Gene Polymorphisms in Mexican Mestizo Population and Their Relation to Anti-Tuberculosis Therapy. [Drug Metabolism Reviews](#), 45, 211-212.

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

105 Ramirez-Alejo, N. & Santos-Argumedo, L. (2014). Innate Defects of the IL-12/IFN- γ Axis in Susceptibility to Infections by Mycobacteria and Salmonella. [Journal of Interferon and Cytokine Research](#), 34(5), 307-317.

106 Sotelo-Silveira, M., Marsch-Martinez, N. & De Folter, S. (2014). Unraveling the signal scenario of fruit set. [Planta](#), 239, 1147-1158.

Última actualización: Julio 2, 2014 12:06 p.m.

10



ARTÍCULOS DEL MES DE JULIO DE 2014

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

- 1 Moya-Sanchez, E. U. & Bayro-Corrochano, E. (2014). Symmetry Feature Extraction Based on Quaternionic Local Phase. [Advances in Applied Clifford Algebras](#), 24(2), 333-354.
- 2 Gonzalez-Jimenez, L., Carbajal-Espinosa, O., Loukianov, A. & Bayro-Corrochano, E. (2014). Robust Pose Control of Robot Manipulators Using Conformal Geometric Algebra. [Advances in Applied Clifford Algebras](#), 24(2), 533-552.
- 3 Garijo, D., Gegundez, M. E., Marquez, A., Revuelta, M. P. & Sagols, F. (2014). Computing the Tutte polynomial of Archimedean tilings. [Applied Mathematics and Computation](#), 242, 842-855.
- 4 Garcia, V. D. C., Hinostroza, I. E. O., Echavarria, A. E., Luna, E. L., Rodriguez, A. G. & Vidal, M. A. (2014). High-Quality Inn Films on MgO (100) Substrates: the Key Role of 30 Degrees in-Plane Rotation. [Applied Physics Letters](#), 104(19), 191904.
- 5 Reynoso-Manriquez, R., Diaz-Gongora, J. A. I., Guzman-Mendoza, J., Rivera-Montalvo, T., Guzman-Olguin, J. C., Ceron-Ramirez, P. V., Garcia-Hipolito, M. & Falcony, C. (2014). Photo-, cathodo- and thermoluminescent properties of dysprosium-doped HfO₂ films deposited by ultrasonic spray pyrolysis. [Applied Radiation and Isotopes](#), 92, 91-95.
- 6 Aab, A., Abreu, P., Aglietta, M. et al. (2014). Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America. [Atmospheric Research](#), 149, 120-135.
- 7 Hoffman, K. L. & Basurto, E. (2014). Clozapine and glycinamide prevent MK-801-induced deficits in the novel object recognition (NOR) test in the domestic rabbit (*Oryctolagus cuniculus*). [Behavioural Brain Research](#), 271, 203-211.
- 8 Zamudio-Prieto, O., Benitez-Cardoza, C., Arroyo, R. & Ortega-Lopez, J. (2014). Conformational Changes Induced by Detergents During the Refolding of Chemically Denatured Cysteine Protease Ppehpc-B9 From *Entamoeba histolytica*. [Biochimica Et Biophysica Acta-Proteins and Proteomics](#), 1844(7), 1299-1306.
- 9 Lara-Vazquez, A. R., Quiroz-Figueroa, F. R., Sanchez, A. & Valdez-Vazquez, I. (2014). Particle size and hydration medium effects on hydration properties and sugar release of wheat straw fibers. [Biomass and Bioenergy](#), 68, 67-74.
- 10 Jimenez-Velasco, C., Nava-Alonso, F., Uribe-Salas, A. & Alonso-Gonzalez, O. (2014). Thermodynamic Analysis of Free Cyanide Determination by Silver Nitrate Titration in Copper Bearing Solutions. Canadian [Metallurgical Quarterly](#), 53(2), 207-212.
- *11 Arrebillaga-Boni, G., Hernandez-Ruiz, M., Castillo, E. C. & Ortiz-Navarrete, V. (2014). Intercellular Communication Through Contacts Between Continuous Pseudopodial Extensions in a Macrophage-like Cell Line. [Cell Communication and Adhesion](#), 21(4), 213-20.

12 Ibrahim, K., Vermeersch, S., Danser, A. H. J., Villalon, C. M., Van Den Meiracker, A. H., De Hoon, J. & Maassenvandenbrink, A. (2014). Development of an Experimental Model to Study Trigeminal Nerve-Mediated Vasodilation on the Human Forehead. [Cephalalgia](#), 34(7), 514-522.

13 Bondarchuk, A. N., Aguilar-Martinez, J. A. & Pech-Canul, M. I. (2014). Effects of Zr dopant and sintering temperature on electrical properties of In₂O₃-SrO based ceramics. [Ceramics International](#), 40(8, Part A), 11533-11541.

14 Bedoya-Hincapie, C. M., Restrepo-Parra, E., Olaya-Florez, J. J., Alfonso, J. E., Flores-Ruiz, F. J. & Espinoza-Beltran, F. J. (2014). Ferroelectric behavior of bismuth titanate thin films grown via magnetron sputtering. [Ceramics International](#), 40(8, Part A), 11831-11836.

15 Arabolla-Rodriguez, R., Mosqueda-Laffita, Y., Perez-Cappe, E., Aguilar-Frutis, M. A., Santoyo-Salazar, J. & Luiz-Alves, O. (2014). A new strategy toward enhancing the phosphate doping in Li_xMn₂O₄ cathode materials. [Ceramics International](#), 40(8, Part A), 12413-12422.

16 Ramirez-Cordero, B., Toledano, Y., Cano-Sanchez, P., Hernandez-Lopez, R., Flores-Solis, D., Saucedo-Yanez, A. L., Chavez-Uribe, I., Brieba, L. G. & Del Rio-Portilla, F. (2014). Cytotoxicity of Recombinant Tamapin and Related Toxin-Like Peptides on Model Cell Lines. [Chemical Research in Toxicology](#), 27(6), 960-967.

17 Paraguay, M. Z. L., Cortes, J. A., Perez-Robles, J. F. & Alarcon-Herrera, M. T. (2014). Adsorption of Arsenite From Groundwater Using Titanium Dioxide. [Clean-Soil Air Water](#), 42(6), 713-721.

18 Segovia-Gamboa, N., Gonzalez-Dominguez, E., Rodriguez-Arellano, M. E., Rangel-Cruz, R., Sanchez-Diaz, M., Ramirez-Reyes, J. C., Faradji, R. & Sanchez-Torres, C. (2014). Tolerogenic dendritic cells induce antigen-specific hyporesponsiveness in insulin- and glutamic acid decarboxylase 65-autoreactive T lymphocytes from type 1 diabetic patients. [Clinical Immunology](#), 154(1), 72-83.

19 Escalante-Garcia, J. I., Castro-Borges, P., Gorokhovskiy, A. & Rodriguez-Varela, F. J. (2014). Portland cement-blast furnace slag mortars activated using waterglass: Effect of temperature and alkali concentration. [Construction and Building Materials](#), 66, 323-328.

20 Lopez-Ornelas, A., Vergara, P. & Segovia, J. (2014). Neural Stem Cells Producing an Inducible and Soluble Form of Gas1 Target and Inhibit Intracranial Glioma Growth. [Cytotherapy](#), 16(7), 1011-1023.

21 Hernandez-Zamora, M., Canizares-Villanueva, R. O., Perales-Vela, H. V. & Flores-Ortiz, C. M. (2014). Physiological and biochemical responses of *Chlorella vulgaris* to Congo red. [Ecotoxicology and Environmental Safety](#), 108, 72-77.

22 Hernandez-Morales, D. M. & Gonzalez, F. J. (2014). Covalent attachment of alkene and alkyne groups on carbon surfaces by electrochemical oxidation of unsaturated aliphatic carboxylates. [Electrochemistry Communications](#), 46, 48-51.

23 Hernandez-Munoz, L. S., Frontana, C. & Gonzalez, F. J. (2014). Covalent modification of carbon surfaces with cyclodextrins by mediated oxidation of Beta-cyclodextrin monoanions. [Electrochimica Acta](#), 138, 22-29.

- 24 Hernandez-Munoz, L. S., Galano, A., Astudillo-Sanchez, P. D., Mahdi, M. A. O. & Gonzalez, F. J. (2014). The mechanism of mediated oxidation of carboxylates with ferrocene as redox catalyst in absence of grafting effects. An experimental and theoretical approach. [Electrochimica Acta](#), 136, 542-549.
- 25 Uriostegui-Acosta, M., Hernandez-Ochoa, I., Solis-Heredia, M. J., Martinez-Aguilar, G. & Quintanilla-Vega, B. (2014). Comparative effect of technical and commercial formulations of methamidophos on sperm quality and dna integrity in mice. [Environmental Toxicology](#), 29(8), 942-949.
- 26 Barragan-Iglesias, P., Rocha-Gonzalez, H. I., Pineda-Farias, J. B., Murbartian, J., Godinez-Chaparro, B., Reinach, P. S., Cunha, T. M., Cunha, F. Q. & Granados-Soto, V. (2014). Inhibition of peripheral anion exchanger 3 decreases formalin-induced pain. [European Journal of Pharmacology](#), 738, 91-100.
- 27 Chavez-Munguia, B., Villatoro, L. S., Omana-Molina, M., Rodriguez-Monroy, M. A., Segovia-Gamboa, N. & Martinez-Palomo, A. (2014). Naegleria Fowleri: Contact-Dependent Secretion of Electrondense Granules (Edg). [Experimental Parasitology](#), 142, 1-6.
- 28 Pereira-Neves, A., Rosales-Encina, J. L., Meyer-Fernandes, J. R. & Benchimol, M. (2014). Tritrichomonas Foetus: Characterisation of Ecto-Phosphatase Activities in the Endoflagellar Form and Their Possible Participation on the Parasite's Transformation and Cytotoxicity. [Experimental Parasitology](#), 142, 67-82.
- 29 Diaz-Huerta, C. C., Felipe-Riveron, E. M. & Montano-Zetina, L. M. (2014). Quantitative analysis of morphological techniques for automatic classification of micro-calcifications in digitized mammograms. [Expert Systems With Applications](#), 41(16), 7361-7369.
- 30 Bello-Lopez, J. M., Dominguez-Mendoza, C. A., De Leon-Lorenzana, A. S. et al. (2014). Bacterial colonization of a fumigated alkaline saline soil. [Extremophiles](#), 18(4), 733-743.
- 31 Molina-Jijon, E., Rodriguez-Munoz, R., Namorado, M. D., Pedraza-Chaverri, J. & Reyes, J. L. (2014). Oxidative Stress Induces Claudin-2 Nitration in Experimental Type 1 Diabetic Nephropathy. [Free Radical Biology and Medicine](#), 72, 162-175.
- 32 Lopez-Chau, A., Li, X. & Yu, W. (2014). Support vector machine classification for large datasets using decision tree and Fisher linear discriminant: Special Section: Intelligent Big Data Processing Special Section: Behavior Data Security Issues in Network Information Propagation Special Section: Energy-efficiency in Large Distributed Computing Architectures Special Section: eScience Infrastructure and Applications. [Future Generation Computer Systems](#), 36, 57-65.
- 33 Martinez-Calleja, A., Vega-Lopez, M., Tsutsumi-Fujiyoshi, V. K., Kouri-Flores, J. B., Velasquillo, C., Arellano-Jimenez, M. J. & Mondragon-Flores, R. (2014). Osteopontin expression and localization of Ca²⁺ deposits in early stages of osteoarthritis in a rat model. [Histology and Histopathology](#), 29(7), 925-33.

- 34 Lima-Hernandez, F. J., Gomora-Arrati, P., Garcia-Juarez, M., Blaustein, J. D., Etgen, A. M., Beyer, C. & Gonzalez-Flores, O. (2014). Estrogen receptors regulate the estrous behavior induced by progestins, peptides, and prostaglandin E2. [Hormones and Behavior](#), 66(2), 361-368.
- 35 Cordova, E. J., Valenzuela, O. L., Sanchez-Pena, L. C., Escamilla-Guerrero, G., Hernandez-Zavala, A., Orozco, L. & Del Razo, L. M. (2014). Nuclear Factor Erythroid 2-Related Factor Gene Variants and Susceptibility of Arsenic-Related Skin Lesions. [Human & Experimental Toxicology](#), 33(6), 582-589.
- 36 Yu, W., Li, X. O. & Panuncio, F. (2014). Stable Neural Pid Anti-Swing Control for an Overhead Crane. [Intelligent Automation and Soft Computing](#), 20(2), 145-158.
- 37 Leon, B. S., Alanis, A. Y., Sanchez, E. N., Ornelas-Tellez, F. & Ruiz-Velazquez, E. (2014). Neural Inverse Optimal Control Via Passivity for Subcutaneous Blood Glucose Regulation in Type 1 Diabetes Mellitus Patients. [Intelligent Automation and Soft Computing](#), 20(2), 279-295.
- 38 Gurubel, K. J., Sanchez, E. N., Carlos-Hernandez, S., Ornelas-Tellez, F. & Perez-Cisneros, M. A. (2014). Integrated Hybrid Intelligent Control Scheme for Methane Production in an Anaerobic Process. [Intelligent Automation and Soft Computing](#), 20(2), 297-315.
- 39 Chavez-Lopez, M. D., Hernandez-Gallegos, E., Vazquez-Sanchez, A. Y., Gariglio, P. & Camacho, J. (2014). Antiproliferative and Proapoptotic Effects of Astemizole on Cervical Cancer Cells. [International Journal of Gynecological Cancer](#), 24(5), 824-828.
- 40 Uribe-Godinez, J., Garcia-Montalvo, V. & Jimenez-Sandoval, O. (2014). A Novel Rh-Ir Electrocatalyst for the Oxygen Reduction Reaction and the Hydrogen and Methanol Oxidation Reactions. [International Journal of Hydrogen Energy](#), 39(17), 9121-9127.
- 41 Gurevich, Y. G. & Lashkevych, I. (2014). Interaction of the Thermal and Concentration Nonequilibria in a Bipolar Semiconductor: Linear Transport Phenomena. [International Journal of Thermophysics](#), 35(2), 375-381.
- 42 Ramirez-Vargas, R., Vital-Jacome, M., Camacho-Perez, E., Hubbard, L. & Thalasso, F. (2014). Characterization of oxygen transfer in a 24-well microbioreactor system and potential respirometric applications. [Journal of Biotechnology](#), 186, 58-65.
- 43 Caballero-Briones, F., Espinosa-Faller, F. J., Rejon, V., Chale, F., Hernandez-Rodriguez, E., Zapata-Navarro, A. & Pena, J. L. (2014). Calcium content and speciation in alkaline-cooked corn studied by-ásynchrotron Ca K-edge X-ray absorption spectroscopy. [Journal of Cereal Science](#), 60(1), 7-10.
- 44 Moctezuma, C., Hammerbacher, A., Heil, M., Gershenzon, J., Mendez-Alonzo, R. & Oyama, K. (2014). Specific Polyphenols and Tannins Are Associated With Defense Against Insect Herbivores in the Tropical Oak *Quercus Oleoides*. [Journal of Chemical Ecology](#), 40(5), 458-467.
- 45 Castro-Villarreal, P., Villada-Balbuena, A., Mendez-Alcaraz, J. M., Castaneda-Priego, R. & Estrada-Jimenez, S. (2014). A Brownian Dynamics Algorithm for Colloids in Curved Manifolds. [Journal of Chemical Physics](#), 140(21), 214115.

46 Contreras-Aburto, C., Castaneda-Priego, R., Baez, C. A. & Mendez-Alcaraz, J. M. (2014). Long-time self-diffusion of charged spherical colloidal particles in parallel planar layers. [Journal of Chemical Physics](#), 140(24), 244116.

47 Martinez-Cruz, O. & Paredes-Lopez, O. (2014). Phytochemical Profile and Nutraceutical Potential of Chia Seeds (*Salvia Hispanica* L.) By Ultra High Performance Liquid Chromatography. [Journal of Chromatography A](#), 1346, 43-48.

48 De La Cruz Hernandez, S. I., Puerta-Guardo, H., Flores-Aguilar, H., Gonzalez-Mateos, S., Lopez-Martinez, I., Ortiz-Navarrete, V., Ludert, J. E. & Del Angel, R. M. (2014). A strong interferon response correlates with a milder dengue clinical condition. [Journal of Clinical Virology](#), 60(3), 196-199.

49 Castellanos-Lopez, S. L., Cruz-Perez, F. A., Rivero-Angeles, M. E. & Hernandez-Valdez, G. (2014). Performance Analysis of Coordinated Cognitive Radio Networks Under Fixed-Rate Traffic With Hard Delay Constraints. [Journal of Communications and Networks](#), 16(2), 130-139.

50 Hernandez-Estrada, Z. J., Rayas-Duarte, P., Figueroa, J. D. C. & Morales-Sanchez, E. (2014). Creep recovery tests to measure the effects of wheat glutenins on doughs and the relationships to rheological and breadmaking properties. [Journal of Food Engineering](#), 143, 62-68.

51 Lupercio, E., Rengifo, C. & Uribe, B. (2014). T-duality and exceptional generalized geometry through symmetries of dg-manifolds. [Journal of Geometry and Physics](#), 83, 82-98.

52 Alvarez, A., Ayon-Beato, E., Gonzalez, H. A. & Hassaine, M. (2014). Nonlinearly Charged Lifshitz Black Holes for Any Exponent $Z > 1$. [Journal of High Energy Physics](#), (6), 041.

53 Gonzalez-Sierra, J., Aranda-Bricaire, E., Hernandez-Mendoza, D. E. & Santiaguillo-Salinas, J. (2014). Emulation of N-Trailer Systems Through Differentially Driven Multi-Agent Systems: Continuous- and Discrete- Time Approaches. [Journal of Intelligent & Robotic Systems](#), 75(1), 129-146.

54 Gonzalez-Rivera, Y. A., Cervantes-Juarez, E., Aquino-Meneses, L. et al. (2014). Photoluminescence in Er-doped V2O5 and Er-doped CdV2O6. [Journal of Luminescence](#), 155, 119-124.

55 Vales-Pinzon, C., Alvarado-Gil, J. J., Medina-Esquivel, R. & Martinez-Torres, P. (2014). Polarized light transmission in ferrofluids loaded with carbon nanotubes in the presence of a uniform magnetic field. [Journal of Magnetism and Magnetic Materials](#), 369, 114-121.

56 Ortiz, L. G., Bonilla, H. G., Salazar, J. S., Olvera, M. D., Karthik, T. V. K., Gonzalez, E. C. & Gomez, J. R. (2014). Low-Temperature Synthesis and Gas Sensitivity of Perovskite-Type LaCoO3 Nanoparticles. [Journal of Nanomaterials](#), 2014, 164380.

57 Armendariz-Vidales, G., Hernandez-Munoz, L. S., Gonzalez, F. J., De Souza, A. A., De Abreu, F. C., Jardim, G. A. M., Da Silva, E. N., Goulart, M. O. F. & Frontana, C. (2014). Nature of Electrogenated Intermediates in Nitro-Substituted nor-Beta-Lapachones: the Structure of Radical Species During Successive Electron Transfer in Multiredox Centers. [Journal of Organic Chemistry](#), 79(11), 5201-5208.

58 Almonte-Becerril, M., Costell, M. & Kouri, J. B. (2014). Changes in the integrins expression are related with the osteoarthritis severity in an experimental animal model in rats. [Journal of Orthopaedic Research](#), 32(9), 1161-1166.

59 Jimenez-Izal, E., Moreno, D., Mercero, J. M., Matxain, J. M., Audiffred, M., Merino, G. & Ugalde, J. M. (2014). Doped Aluminum Cluster Anions: Size Matters. [Journal of Physical Chemistry A](#), 118(24), 4309-4314.

60 Castillo, D., Cervantes, R., Frontana, C., Gonzalez, F. J. & Tiburcio, J. (2014). Self-assembly of a [2]pseudorotaxane complex by the threading of a nitrobenzimidazol-based guest on dibenzo-24-crown ether host. [Journal of Physical Organic Chemistry](#), 27(8), 701-706.

61 Beltran-Carbajal, F. & Silva-Navarro, G. (2014). Active Vibration Control in Duffing Mechanical Systems Using Dynamic Vibration Absorbers. [Journal of Sound and Vibration](#), 333(14), 3019-3030.

62 Medel, V. M., Reber, A. C., Chauhan, V., Sen, P., Koster, A. M., Calaminici, P. & Khanna, S. N. (2014). Nature of Valence Transition and Spin Moment in Ag_nv⁺ Clusters. [Journal of the American Chemical Society](#), 136(23), 8229-8236.

63 Munguia-Rosas, M. A., Jurado-Dzib, S. G., Mezeta-Cob, C. R., Montiel, S., Rojas, A. & Pech-Canche, J. M. (2014). Continuous Forest Has Greater Taxonomic, Functional and Phylogenetic Plant Diversity Than an Adjacent Naturally Fragmented Forest. [Journal of Tropical Ecology](#), 30, 323-333.

64 Aguilera-Luna, I., Castro-Roman, M. J., Escobedo-Bocardo, J. C., Garcia-Pastor, F. A. & Herrera-Trejo, M. (2014). Effect of cooling rate and Mg content on the Al-Si eutectic for Al-Si-Cu-Mg alloys. [Materials Characterization](#), 95, 211-218.

65 Rosales-Colunga, L. M. & Martinez-Antonio, A. (2014). Engineering Escherichia Coli K12 Mg1655 to Use Starch. [Microbial Cell Factories](#), 13, 74.

66 Barragan-Iglesias, P., Pineda-Farias, J. B., Cervantes-Duran, C., Bravo-Hernandez, M., Rocha-Gonzalez, H. I., Murbartian, J. & Granados-Soto, V. (2014). Role of Spinal P2y(6) and P2y(11) Receptors in Neuropathic Pain in Rats: Possible Involvement of Glial Cells. [Molecular Pain](#), 10, 29.

67 Balderas, A., Guillem, A. M., Martinez-Lozada, Z., Hernandez-Kelly, L. C., Aguilera, J. & Ortega, A. (2014). GLAST/EAAT1 regulation in cultured Bergmann glia cells: Role of the NO/cGMP signaling pathway. [Neurochemistry International](#), 73, 139-145.

68 Franco, I., Valdez-Tapia, M., Sanchez-Serrano, S. L., Cruz, S. L. & Lamas, M. (2014). Chronic toluene exposure induces cell proliferation in the mice SVZ but not migration through the RMS. [Neuroscience Letters](#), 575, 101-106.

69 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Improved b quark jet identification at the D0 experiment. [Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment](#), 763, 290-303.

70 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Jet energy scale determination in the D0 experiment. [Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment](#), 763, 442-475.

71 Vazquez-Salas, R. A., Lopez-Carrillo, L., Menezes, J. A., Rothenberg, S. J., Cebrian, M. E., Schnaas, L., Viana, G. F. D. & Torres-Sanchez, L. (2014). Prenatal Molybdenum Exposure and Infant Neurodevelopment in Mexican Children. [Nutritional Neuroscience](#), 17(2), 72-80.

72 Perez-Gutierrez, E., Maldonado, J. L., Nolasco, J. et al. (2014). Titanium Oxide:Fullerene Composite Films as Electron Collector Layer in Organic Solar Cells and the Use of an Easy-Deposition Cathode. [Optical Materials](#), 36(8), 1336-1341.

73 Silva, M. D. M., Barajas-Aceves, M., Araujo, A. S. F., Araujo, F. F. & Melo, W. J. (2014). Soil Microbial Biomass After Three-Year Consecutive Composted Tannery Sludge Amendment. [Pedosphere](#), 24(4), 469-475.

74 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of Four-Jet Production in Proton-Proton Collisions at Root S=7 Tev. [Physical Review D](#), 89(9), 092010.

75 Aaltonen, T., Abazov, V. M., Abbott, B. et al. (2014). Observation of S-Channel Production of Single Top Quarks at the Tevatron. [Physical Review Letters](#), 112(23), 231803.

76 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Observation of the Associated Production of a Single Top Quark - and a W Boson in Pp Collisions at Root S=8 Tev. [Physical Review Letters](#), 112(23), 231802.

77 Quinones-Galvan, J. G., Camps, E., Muhl, S., Flores, M. & Campos-Gonzalez, E. (2014). Influence of Plasma Density on the Chemical Composition and Structural Properties of Pulsed Laser Deposited Tialn Thin Films. [Physics of Plasmas](#), 21(5), 053509.

78 Tejas-Juarez, J. G., Cruz-Martinez, A. M., Lopez-Alonso, V. E., Garcia-Iglesias, B., Mancilla-Diaz, J. M., Floran-Garduno, B. & Escartin-Perez, R. E. (2014). Stimulation of dopamine D4 receptors in the paraventricular nucleus of the hypothalamus of male rats induces hyperphagia: Involvement of glutamate. [Physiology & Behavior](#), 133, 272-281.

79 Carrasco-Miranda, J. S., Lopez-Zavala, A. A., Arvizu-Flores, A. A., Garcia-Orozco, K. D., Stojanoff, V., Rudino-Pinera, E., Briebe, L. G. & Sotelo-Mundo, R. R. (2014). Crystal Structure of the Shrimp Proliferating Cell Nuclear Antigen: Structural Complementarity With Wssv Dna Polymerase Pip-Box. [Plos One](#), 9(4), e94369.

80 Bini, E. I., Espinosa, D. M., Castillo, B. M. et al. (2014). The Influence of Sex Steroid Hormones in the Immunopathology of Experimental Pulmonary Tuberculosis. [Plos One](#), 9(4), e093831.

81 Guzman-Moreno, J., Flores-Martinez, A., Briebe, L. G. & Herrera-Estrella, A. (2014). The Trichoderma reesei Cry1 Protein Is a Member of the Cryptochrome/Photolyase Family with 6-4 Photoproduct Repair Activity. [Plos One](#), 9(6), e100625.

- 82 Valencia-Torres, L., Bradshaw, C. M., Bouzas, A., Hong, E. & Orduna, V. (2014). Effect of Streptozotocin-Induced Diabetes on Performance on a Progressive Ratio Schedule. [Psychopharmacology](#), 231(12), 2375-2384.
- 83 Carruyo-Nunez, G. M., Alcala-Aristiguieta, A. C., Liprandi-Fraire, F. & Ludert-Leon, J. E. (2014). Porcine Picobirnavirus Infection in Venezuelan Farms. [Revista Cientifica-Facultad De Ciencias Veterinarias](#), 24(2), 125-131.
- 84 Lopez, R., Aguilar, H., Salazar, S., Lozano, R. & Torres, J. A. (2014). Modeling and Control of a Exoskeleton for Lower Limb Rehabilitation with two degrees of freedom. [Revista Iberoamericana De Automatica e Informatica Industrial](#), 11(3), 304-314.
- 85 Perez-Cruz, J. H., Rubio, J. J., Balcazar, R. & Encinas, R. (2014). Singularity-free neural control for the exponential trajectory tracking in multiple-input uncertain systems with unknown deadzone nonlinearities. [Scientific World Journal](#), 2014, 951983.
- 86 Diaz-Badillo, A., Munoz, M. D., Perez-Ramirez, G. et al. (2014). A Dna Microarray-Based Assay to Detect Dual Infection With Two Dengue Virus Serotypes. [Sensors](#), 14(5), 7580-7601.
- 87 Bueno, D., Alonso, G., Munoz, R. & Marty, J. L. (2014). Low-cost and portable absorbance measuring system to carbamate and organophosphate pesticides. [Sensors and Actuators B: Chemical](#), 203, 81-88.
- 88 Iyer, M. A., Oza, G., Velumani, S., Maldonado, A., Romero, J., Munoz, M. L., Sridharan, M., Asomoza, R. & Yi, J. (2014). Scanning fluorescence-based ultrasensitive detection of dengue viral DNA on ZnO thin films. [Sensors and Actuators B: Chemical](#), 202, 1338-1348.
- 89 Barajas-Aceves, M., Rios-Berber, J. D., Oropeza-Mota, J. L. & Rodriguez-Vazquez, R. (2014). Assessment of Tannery Waste in Semi-Arid Soils Under a Simulated Rainfall System. [Soil & Sediment Contamination](#), 23(8), 954-964.
- 90 Hernandez-Rodriguez, E., Rejon, V., Riech, I., Acosta, M. & Pena, J. L. (2014). Morphological and chemical study of CdTe thin films annealed in CHCl₃-O₂ gas mixture. [Solar Energy](#), 107, 305-313.
- 91 Diliegros Godines, C. J., Torres Castanedo, C. G., Castanedo-Perez, R., Torres Delgado, G. & Zelaya-Angel, O. (2014). Transparent conductive thin films of Cd₂SnO₄ obtained by the sol-gel technique and their use in a solar cell made with CdTe. [Solar Energy Materials and Solar Cells](#), 128, 150-155.
- 92 Munoz, M. A., Chamy, C., Bucio, M. A., Hernandez-Barragan, A. & Joseph-Nathan, P. (2014). Absolute configuration of scopadulane diterpenes from Calceolaria species. [Tetrahedron Letters](#), 55(30), 4274-4277.
- 93 Flores-Mendez, M., Ramirez, D., Alamillo, N., Hernandez-Kelly, L. C., Del Razo, L. M. & Ortega, A. (2014). Fluoride exposure regulates the elongation phase of protein synthesis in cultured Bergmann glia cells. [Toxicology Letters](#), 229(1), 126-133.

94 Loske, A. M., Fernandez, F., Magana-Ortiz, D., Coconi-Linares, N., Ortiz-Vazquez, E. & Gomez-Lim, M. A. (2014). Tandem shock waves to enhance genetic transformation of *Aspergillus niger*. [Ultrasonics](#), 54(6), 1656-62.

95 Perez-Sanchez, G. F., Chavez, F., Cortes-Salinas, D., Zaca-Moran, P., Morales-Acevedo, A., Pena-Sierra, R., Goiz, O. & Huerta, A. T. (2014). Synthesis of In-In₂O₃ microstructures by close-spaced vapor transport (CSV) and their transformation to In₂O₃ nanobelts at low temperature. [Vacuum](#), 107, 236-241.

96 Cruz-Jaramillo, J. L., Ruiz-Medrano, R., Lopez-Buenfil, J. A., Ramirez-Pool, J. A., Xoconostle-Cazares, B., Rojas-Morales, L., Morales-Galvan, O. & Chavarin-Palacio, C. (2014). Characterization of a proposed dichorhavirus associated with the citrus leprosis disease and analysis of the host response. [Viruses](#), 6(7), 2602-22.

97 Munoz-Paez, K. M., Poggi-Varaldo, H. M., Garcia-Mena, J. et al. (2014). Cheese whey as substrate of batch hydrogen production: effect of temperature and addition of buffer. [Waste Management & Research](#), 32(5), 434-40.

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

98 Hernandez-Calderon, I. & Salcedo-Reyes, J. C. (2014). Photoluminescence study of the substitution of Cd by Zn during the growth by atomic layer epitaxy of alternate CdSe and ZnSe monolayers. [AIP Conference Proceedings](#), 1598, 134-137.

99 Valverde-Chavez, D. A., Sutara, F. & Hernandez-Calderon, I. (2014). Spectral photoresponse of ZnSe/GaAs(001) heterostructures with CdSe ultra-thin quantum well insertions. [AIP Conference Proceedings](#), 1598, 171-174.

100 Talamas-Lara, D., Chavez-Munguia, B., Gonzalez-Robles, A., Talamas-Rohana, P., Salazar-Villatoro, L., Duran-Diaz, A. & Martinez-Palomo, A. (2014). Erythrophagocytosis in *Entamoeba Histolytica* and *Entamoeba Dispar*: a Comparative Study. [Biomed Research International](#), 2014, 626259.

101 Jimenez-Lopez, D. & Guzman, P. (2014). Insights into the evolution and domain structure of ataxin-2 proteins across eukaryotes. [Bmc Research Notes](#), 7(1), 453.

102 Garcia-Godinez, A., Contreras, R. G., Gonzalez-del-Pliego, M., Aguirre-Benitez, E., Acuna-Macias, I., De la Vega, M. T., Martin-Tapia, D., Solano-Agama, C. & Mendoza-Garrido, M. E. (2014). Anterior and intermediate pituitary tissues express claudin 4 in follicle stellate cells and claudins 2 and 5 in endothelial cells. [Cell Tissue Research](#), 357(1), 309-321.

*103 Falfan-Cortes, R. N., Gaytan-Martinez, M., Verdalet-Guzman, I., Amaya-Llano, S. L., Ferreira-Grosso, C. R. & Martinez-Bustos, F. (2014). Evaluation of modified amaranth starch as shell material for encapsulation of probiotics. [Cereal Chemistry Journal](#), 91(3), 300-308.

104 Moreno, D., Pan, S., Zeonjuk, L. L., Islas, R., Osorio, E., Martinez-Guajardo, G., Chattaraj, P. K., Heine, T. & Merino, G. (2014). B18(2-): a quasi-planar bowl member of the Wankel motor family. [Chemical Communications](#), 50(60), 8140-3.

105 Gandini, M. A.; Sandoval, A. & Felix, R. (2014). Patch-clamp recording of voltage-sensitive Ca²⁺ channels. [Cold Spring Harbor Protocols](#), 2014(4), 329-335.

*106 Gandini, M. A., Sandoval, A. & Felix, R. (2014). Whole-cell patch-clamp recording of recombinant voltage-sensitive Ca²⁺ channels heterologously expressed in HEK-293 cells. [Cold Spring Harbor Protocols](#), 2014(4), 396-401.

*107 Gandini, M. A., Sandoval, A. & Felix, R. (2014). Whole-cell patch-clamp recordings of Ca²⁺ currents from isolated neonatal mouse dorsal root ganglion (DRG) neurons. [Cold Spring Harbor Protocols](#), 2014(4), 389-95.

108 Florez-Zapata, N. M. V., Hernandez-Godinez, F., Martinez, O. & Reyes-Valdes, M. H. (2014). Transcriptomic landscape of prophase I sunflower male meiocytes. [Front in Plant Science](#), 5, 277.

109 Zuniga-Mayo, V. M., Reyes-Olalde, J. I., Marsch-Martinez, N. & De Folter, S. (2014). Cytokinin Treatments Affect the Apical-Basal Patterning of the Arabidopsis Gynoecium and Resemble the Effects of Polar Auxin Transport Inhibition. [Frontiers in Plant Science](#), 5, 191.

110 Azorin, E., Romero-Perez, B., Solano-Agama, C. et al. (2014). GH3 tumor pituitary cell cytoskeleton and plasma membrane arrangement are determined by extracellular matrix proteins: implications on motility, proliferation and hormone secretion. [International Journal of Physiology, Pathophysiology and Pharmacology](#), 6(2), 66-83.

111 Dendooven, L., Patino-Zuniga, L., Verhulst, N., Boden, K., Garcia-Gaytan, A., Luna-Guido, M. & Govaerts, B. (2014). Greenhouse Gas Emissions from Nontilled, Permanent Raised, and Conventionally Tilled Beds in the Central Highlands of Mexico. [Journal of Crop Improvement](#), 28(4), 547-574.

112 Ferat-Osorio, E., Sanchez-Anaya, A., Gutierrez-Mendoza, M. et al. (2014). Heat shock protein 70 down-regulates the production of toll-like receptor-induced pro-inflammatory cytokines by a heat shock factor-1/constitutive heat shock element-binding factor-dependent mechanism. [Journal of Inflammation](#), 11, 19.

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

113 Martinez, V. P. M., Deho, G., Simons, R. W. & Garcia-Mena, J. (2014). Ribonuclease Ph Interacts With an Acidic Ribonuclease E Site Through a Basic 80-Amino Acid Domain. [Fems Microbiology Letters](#), 355(1), 51-60.

114 Adame-Alvarez, R. M., Mendiola-Soto, J. & Heil, M. (2014). Order of Arrival Shifts Endophyte-Pathogen Interactions in Bean From Resistance Induction to Disease Facilitation. [Fems Microbiology Letters](#), 355(2), 100-107.

115 Blakely, R. D., Ortega, A. & Robinson, M. B. (2014). The brain in flux: Genetic, physiologic, and therapeutic perspectives on transporters in the CNS. [Neurochemistry International](#), 73, 1-3.

116 Meneses, A. & Ponce-Lopez, T. (2014). Special Issue: Potential Therapeutic Targets Involving 5-Ht6 and 5-Ht7 Receptors. [Reviews in the Neurosciences](#), 25(3), 309-310.

ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

117 Mellado-Mojica, E., Seeram, N. P. & Lopez, M. G. (2014). Maple syrup vs. different natural sweeteners: Sensory evaluation, physicochemical properties, carbohydrate profiles, and botanical classification by mid infrared spectroscopy-chemometrics. [Abstracts of Papers of the American Chemical Society](#), 247, AGFD-21.

118 Rodriguez-Castellanos, W., Martinez-Bustos, F. & Jimenez-Arevalo, O. (2014). Effect on mechanical properties of different type of cellulose as reinforcement in extruded starch-based films. [Abstracts of Papers of the American Chemical Society](#), 247, POLY-135.

119 Espinosa-Caballero, M. I., Periole, X., De Vries, A., Vargas-Gonzalez, M. C., Marrink, S. J., Ortega-Blake, I. & Carrillo-Tripp, M. (2014). Amphotericin B Versus a Reduced Toxicity Chemical Analog in Aqueous and Lipid Media: an Md Comparative Study. [Biophysical Journal](#), 106(2), 802A.

120 Hiltner, J., Cruz-Morales, P., Fernandez-Martinez, L., Petkovic, H., Hunter, I. S., Barona-Gomez, F. & Hoskisson, P. A. (2014). The paralogues pyruvate kinases in *Streptomyces coelicolor* have distinct roles in growth and antibiotic production. [New Biotechnology](#), 31, Supplement, S161.

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

*121 Navarro-Yepes, J., Burns, M., Anandhan, A., Khalimonchuk, O., Del Razo, L. M., Quintanilla-Vega, B., Pappa, A., Panayiotidis, M. I. & Franco, R. (2014). Oxidative Stress, Redox Signaling, and Autophagy: Cell Death Versus Survival. [Antioxidants & Redox Signaling](#), 21(1), 66-85.

*122 Escudero-Casao, M., Vega-Penalosa, A. & Juaristi, E. (2014). Enantiopure 1,2,3-Triazolyl-Beta-Amino Acids Via Click Cycloaddition Reaction on Racemic Alkynyl Precursors Followed by Separation of Stereoisomers. [Current Topics in Medicinal Chemistry](#), 14(10), 1257-1270.

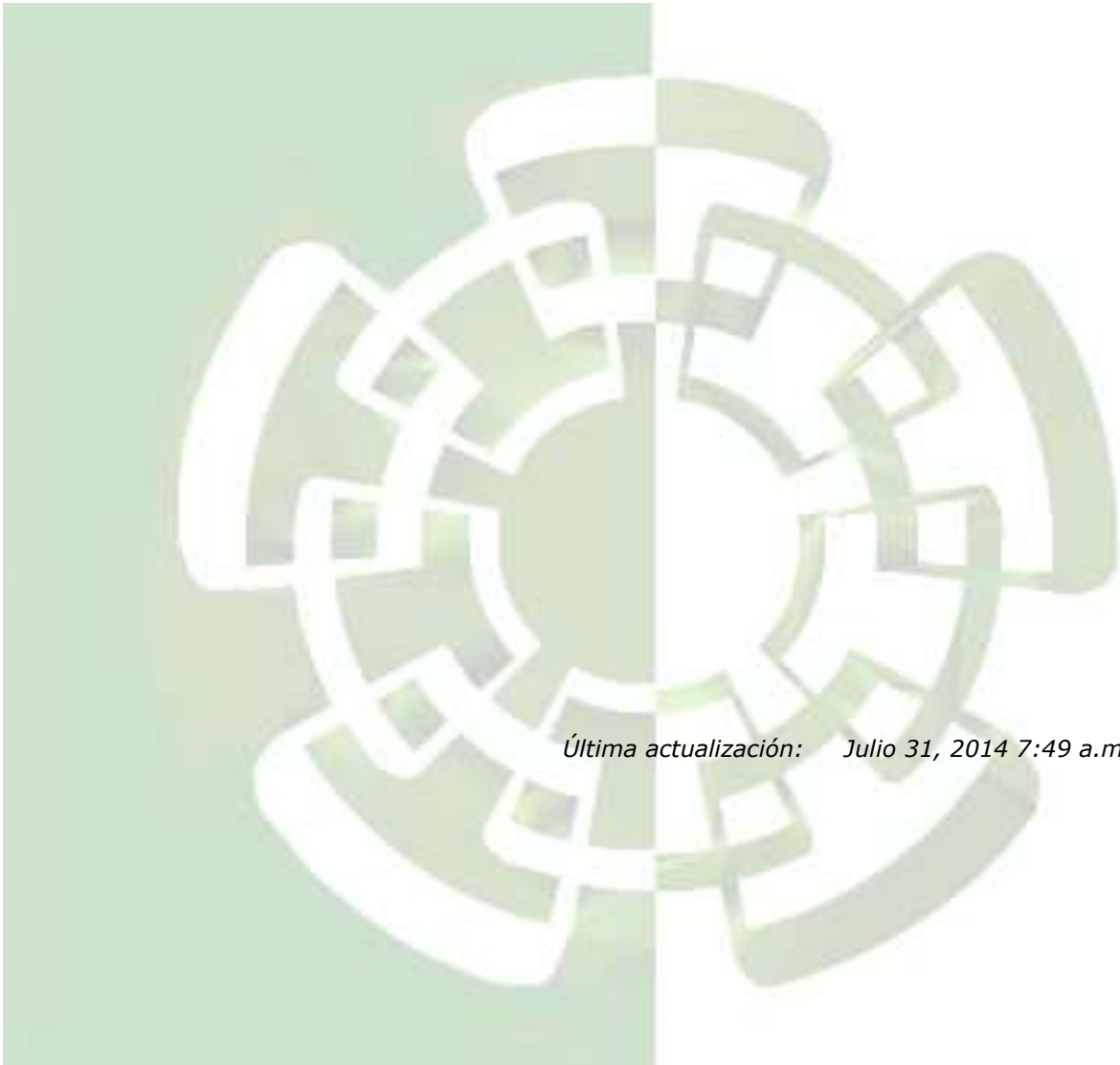
123 Guerrero-Hernandez, A., Avila, G. & Rueda, A. (2014). Ryanodine receptors as leak channel. [European Journal of Pharmacology](#), 739, 26-38.

124 Alvarez-Venegas, R. (2014). Bacterial SET domain proteins and their role in eukaryotic chromatin modification. [Frontiers in Genetics](#), 5, 65.

125 Rivera, A. L., Magana-Ortiz, D., Gomez-Lim, M., Fernandez, F. & Loske, A. M. (2014). Physical Methods for Genetic Transformation of Fungi and Yeast. [Physics of Life Reviews](#), 11(2), 184-203.

*126 Meneses, A. (2014). Memory Formation and Memory Alterations: 5-Ht6 and 5-Ht7 Receptors, Novel Alternative. [Reviews in the Neurosciences](#), 25(3), 325-356.

*127 Terron, J. A. (2014). Novel Insights Into the Potential Involvement of 5-Ht7 Receptors in Endocrine Dysregulation in Stress-Related Disorders. [Reviews in the Neurosciences](#), 25(3), 439-449.



Última actualización: Julio 31, 2014 7:49 a.m.

ARTÍCULOS DEL MES DE AGOSTO DE 2014

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

- 1 Soto-Acosta, R., Bautista-Carbajal, P., Syed, G. H., Siddiqui, A. & Del Angel, R. M. (2014). Nordihydroguaiaretic acid (NDGA) inhibits replication and viral morphogenesis of dengue virus. [Antiviral Research](#), 109, 132-140.
- 2 Flores-Ruiz, F. J., Enriquez-Flores, C. I., Chinas-Castillo, F. & Espinoza-Beltran, F. J. (2014). Nanotribological performance of fullerene-like carbon nitride films. [Applied Surface Science](#), 314, 193-198.
- 3 Suzarte, E., Marcos, E., Gil, L. et al. (2014). Generation and Characterization of Potential Dengue Vaccine Candidates Based on Domain Iii of the Envelope Protein and the Capsid Protein of the Four Serotypes of Dengue Virus. [Archives of Virology](#), 159(7), 1629-1640.
- 4 Aab, A., Abreu, P., Aglietta, M. et al. (2014). A Search for Point Sources of Eev Photons. [Astrophysical Journal](#), 789(2), 160.
- 5 Rojas-Rejon, O. A. & Sanchez, A. (2014). The Impact of Particle Size and Initial Solid Loading on Thermochemical Pretreatment of Wheat Straw for Improving Sugar Recovery. [Bioprocess and Biosystems Engineering](#), 37(7), 1427-1436.
- 6 Ramos-Ramirez, M. V., Lopez-Cuevas, J., Rodriguez-Galicia, J. L. & Rendon-Angeles, J. C. (2014). Solid State Reaction Synthesis of Ba(0.75)Sr(0.25)Al₂O₈ - Al₂O₃ Ceramic Composites From Mechanically Activated Precursor Mixtures. [Boletin De La Sociedad Espanola De Ceramica Y Vidrio](#), 53(3), 121-132.
- 7 Garcia, G., Martinez-Rojas, V. A., Rocha-Gonzalez, H. I., Granados-Soto, V. & Murbartian, J. (2014). Evidence for the participation of Ca²⁺-activated chloride channels in formalin-induced acute and chronic nociception. [Brain Research](#), 1579, 35-44.
- 8 Meza-Rocha, A. N., Canto, C., Andrade, E., De Lucio, O., Huerta, E. F., Gonzalez, F., Rocha, M. F. & Falcony, C. (2014). Visible and near infra-red luminescent emission from Y₂O₃:Er³⁺ films co-doped with Li⁺ and their elemental composition by ion beam analysis. [Ceramics International](#), 40(9, Part B), 14647-14653.
- 9 Jimenez, S., Perez, J. G., Tritt, T. M., Zhu, S., Sosa-Sanchez, J. L., Martinez-Juarez, J. & Lopez, O. (2014). Synthesis and thermoelectric performance of a p-type Bi_{0.4}Sb_{1.6}Te₃ material developed via mechanical alloying. [Energy Conversion and Management](#), 87, 868-873.
- 10 Villamil-Hernandez, M. T., Alcantara-Vazquez, O., Sanchez-Lopez, A., Gutierrez-Lara, E. J. & Centurion, D. (2014). Pharmacological evidence that 5-HT_{1A/1B/1D}, alpha₂-adrenoceptors and D₂-like receptors mediate ergotamine-induced inhibition of the vasopressor sympathetic outflow in pithed rats. [European Journal of Pharmacology](#), 740, 512-521.

- 11 Andreev, V., Baghdasaryan, A., Begzsuren, K. et al. (2014). Measurement of Feynman-X Spectra of Photons and Neutrons in the Very Forward Direction in Deep-Inelastic Scattering at Hera. [European Physical Journal C](#), 74(6), 2915.
- 12 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Probing Color Coherence Effects in Pp Collisions at Root S=7 Tev. [European Physical Journal C](#), 74(6), 2901.
- 13 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Study of the Production of Charged Pions, Kaons, and Protons in Ppb Collisions at Root Snn=5.02 Tev. [European Physical Journal C](#), 74(6), 2847.
- 14 Arenas-Gomez, B., Vincekovic, M., Garza, C. & Castillo, R. (2014). Worm-Like Micelles in Water Solutions of 1, 4 Poly (1, 3-Butadiene)-Polyethylene Oxide Diblock Copolymer. [European Physical Journal E](#), 37(6), 51.
- 15 Aguilar-Lopez, R., Martinez-Guerra, R. & Perez-Pinacho, C. A. (2014). Nonlinear Observer for Synchronization of Chaotic Systems With Application to Secure Data Transmission. [European Physical Journal-Special Topics](#), 223(8), 1541-1548.
- 16 Suaste-Gomez, E., Gonzalez-Moran, C. O., Teran-Jimenez, O. & Rodriguez-Montoya, C. J. (2014). Opto-Thermal Response of Ceramic Controlled Piezoelectric Based on PLZT Implanted with Platinum. [Ferroelectrics](#), 467(1), 158-164.
- 17 Guerrero-Zarate, R., Alvarez-Gonzalez, C. A., Olvera-Novoa, M. A., Perales-Garcia, N., Frias-Quintana, C. A., Martinez-Garcia, R. & Contreras-Sanchez, W. M. (2014). Partial Characterization of Digestive Proteases in Tropical Gar *Atractosteus Tropicus* Juveniles. [Fish Physiology and Biochemistry](#), 40(4), 1021-1029.
- 18 Gutierrez-Galeano, D. F., Toscano-Morales, R., Calderon-Perez, B., Xoconostle-Cazares, B. & Ruiz-Medrano, R. (2014). Structural Divergence of Plant Tctps. [Frontiers in Plant Science](#), 5, 361.
- 19 Carrillo, L. R. G., Colunga, G. R. F., Sanahuja, G. & Lozano, R. (2014). Quad Rotorcraft Switching Control: an Application for the Task of Path Following. [Ieee Transactions on Control Systems Technology](#), 23(4), 1255-1267.
- 20 Romero-Carbente, J. C., Guzman-Mejia, F., Cruz, S. L., Lopez-Rubalcava, C. & Gonzalez-Espinosa, C. (2014). Role of main neuroendocrine pathways activated by swim stress on mast cell-dependent peritoneal TNF production after LPS administration in mice. [Inflammation Research](#), 63(9), 757-767.
- 21 Lopez-Veyna, J. I., Sosa-Sosa, V. J. & Lopez-Arevalo, I. (2014). A low redundancy strategy for keyword search in structured and semi-structured data. [Information Sciences](#), 288, 135-152.
- 22 Perez-Moreno, L., Castaneda-Cabrera, C., Ramos-Tapia, M. & Tafuya-Razo, J. A. (2014). Pre-Emergence Weed Chemical Control in Husk Tomato. [Interciencia](#), 39(6), 422-427.

23 Ambrosio, J. R., Ostoa-Saloma, P., Palacios-Arreola, M. I. et al. (2014). Oestradiol and progesterone differentially alter cytoskeletal protein expression and flame cell morphology in *Taenia crassiceps*. [International Journal for Parasitology](#), 44(10), 687-696.

24 Peyrot-Solis, M. A., Galvan-Tejada, G. M. & Jardon-Aguilar, H. (2014). Proposal of a Planar Directional Uwb Antenna for Any Desired Operational Bandwidth. [International Journal of Antennas and Propagation](#), 2014, 608538.

25 Velez-Arellano, N., Shibayama, M., Ortiz-Ordonez, E., Silva-Olivares, A., Arellano-Martinez, M. & Garcia-Dominguez, F. (2014). Histological Description of Oogenesis in *Chiton Virgulatus* (Mollusca: Polyplacophora). [International Journal of Morphology](#), 32(2), 608-613.

26 Mostovoy, J., Perez-Izquierdo, J. M. & Shestakov, I. P. (2014). Nilpotent Sabinin algebras. [Journal of Algebra](#), 419, 95-123.

27 Gimenez, A. J., Luna-Barcenas, G., Sanchez, I. C. & Yanez-Limon, J. M. (2014). Nanowire light scattering variation induced by magnetic alignment. [Journal of Applied Physics](#), 116(7), 074305.

*28 Garcia-Baldenegro, C. V., Vargas-Arispuro, I., Azamar-Barrios, J. A. & Madera-Santana, T. J. (2014). Biodegradable Agar Films With Natural Semiochemical Extract: Effect of Extract Concentration on Physicochemical and Release Properties. [Journal of Biobased Materials and Bioenergy](#), 8(3), 363-369.

29 Fonseca-Garcia, A., Mota-Morales, J. D., Quintero-Ortega, I. A. et al. (2014). Effect of doping in carbon nanotubes on the viability of biomimetic chitosan-carbon nanotubes-hydroxyapatite scaffolds. [Journal of Biomedical Materials Part A](#), 102(10), 3341-3351.

30 Bello-Perez, L. A., Flores-Silva, P. C., Agama-Acevedo, E., Figueroa-Cardenas, J. D., Lopez-Valenzuela, J. A. & Campanella, O. H. (2014). Effect of the nixtamalization with calcium carbonate on the indigestible carbohydrate content and starch digestibility of corn tortilla. [Journal of Cereal Science](#), 60(2), 421-425.

31 Millan-Canongo, C., Orona-Tamayo, D. & Heil, M. (2014). Phloem Sugar Flux and Jasmonic Acid-Responsive Cell Wall Invertase Control Extrafloral Nectar Secretion in *Ricinus communis*. [Journal of Chemical Ecology](#), 40(7), 760-769.

32 Navarro-Melendez, A. L. & Heil, M. (2014). Symptomless Endophytic Fungi Suppress Endogenous Levels of Salicylic Acid and Interact With the Jasmonate-Dependent Indirect Defense Traits of Their Host, Lima Bean (*Phaseolus lunatus*). [Journal of Chemical Ecology](#), 40(7), 816-825.

33 Garcia-Lara, A. M., Montero-Ocampo, C., Equihua-Guillen, F., Camporredondo-Saucedo, J. E., Servin-Castaneda, R. & Muniz-Valdes, C. R. (2014). Arsenic Removal from Natural Groundwater by Electrocoagulation using Response Surface Methodology. [Journal of Chemistry](#), 2014, 857625.

34 Marelja, Z., Dambowsky, M., Bolis, M., Georgiou, M. L., Garattini, E., Missirlis, F. & Leimkuhler, S. (2014). The Four Aldehyde Oxidases of *Drosophila Melanogaster* Have Different Gene Expression Patterns and Enzyme Substrate Specificities. [Journal of Experimental Biology](#), 217(12), 2201-2211.

- 35 Schonfelder, R., Aviles, F., Knupfer, M., Azamar-Barrios, J. A., Gonzalez-Chi, P. I. & Rummeli, M. H. (2014). Influence of Architecture on the Raman Spectra of Acid-Treated Carbon Nanostructures. [Journal of Experimental Nanoscience](#), 9(9), 931-941.
- 36 Chatrchyan, S., Khachatryan, V., Sirunyan, A. et al. (2014). Measurement of the Production Cross Sections for a Z Boson and One or More B Jets in Pp Collisions at Root S=7 Tev. [Journal of High Energy Physics](#), (6), 120.
- 37 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the Triple-Differential Cross Section for Photon Plus Jets Production in Proton-Proton Collisions at=7 Tev. [Journal of High Energy Physics](#), (6), 009.
- 38 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (6), 055.
- 39 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for Pair Production of Excited Top Quarks in the Lepton Plus Jets Final State. [Journal of High Energy Physics](#), (6), 125.
- 40 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for $W^+ \rightarrow T_b$ Decays in the Lepton Plus Jets Final State in Pp Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (5), 108.
- 41 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Measurement of the T-Channel Single-Top-Quark Production Cross Section and of the $|V(T_b)|$ Ckm Matrix Element in Pp Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (6), 090.
- 42 Zuniga-Galindo, W. A. (2014). The Cauchy Problem for Non-Archimedean Pseudodifferential Equations of Klein-Gordon type. [Journal of Mathematical Analysis and Applications](#), 420, 1033-1050.
- 43 Munoz-Flores, B. M., Santillan, R., Farfan, N. et al. (2014). Synthesis, X-ray diffraction analysis and nonlinear optical properties of hexacoordinated organotin compounds derived from Schiff bases. [Journal of Organometallic Chemistry](#), 769, 64-71.
- 44 Gomez-Castro, C. Z., Vela, A., Quintanar, L., Grande-Aztatzi, R., Mineva, T. & Goursot, A. (2014). Insights into the Oxygen-Based Ligand of the Low pH Component of the Cu²⁺-Amyloid-Beta Complex. [Journal of Physical Chemistry B](#), 118(34), 10052-10064.
- 45 Midya, B. & Fernandez, D. J. (2014). Dirac Electron in Graphene Under Supersymmetry Generated Magnetic Fields. [Journal of Physics A-Mathematical and Theoretical](#), 47(28), 285302.
- 46 Aguilera, L. U. & Rodriguez-Gonzalez, J. (2014). Studying HIV latency by modeling the interaction between HIV proteins and the innate immune response: Journal of Theoretical Biology. [Journal of Theoretical Biology](#), 360, 67-77.
- 47 Perez, A. G., Lopez, X. H., Jimenez, V. M. V., Martinez, A. M. & Ysunza, P. A. (2014). Synchronous Electrical Stimulation of Laryngeal Muscles: an Alternative for Enhancing Recovery of Unilateral Recurrent Laryngeal Nerve Paralysis. [Journal of Voice](#), 28(4), 524.

48 Raya-Rivera, A. M., Esquiliano, D., Fierro-Pastrana, R., Lopez-Bayghen, E., Valencia, P., Ordorica-Flores, R., Soker, S., Yoo, J. J. & Atala, A. (2014). Tissue-Engineered Autologous Vaginal Organs in Patients: a Pilot Cohort Study. [Lancet](#), 384(9940), 329-336.

49 Quintero-Torres, R., Castillo-Matadamas, H. A., Young, J. F. & Cruz, R. M. B. (2014). Complex Temporal Decay: a Complete Analysis. [Luminescence](#), 29(5), 440-444.

50 Gasca-Tirado, J. R., Manzano-Ramirez, A., Vazquez-Landaverde, P. A., Herrera-Diaz, E. I., Rodriguez-Ugarte, M. E., Rubio-Avalos, J. C., Amigo-Borras, V. & Chavez-Perez, M. (2014). Ion-exchanged geopolymer for photocatalytic degradation of a volatile organic compound. [Materials Letters](#), 134, 222-224.

51 Ravichandran, M., Oza, G., Velumani, S., Tapia-Ramirez, J., Garcia-Sierra, F., Barragan-Andrade, N., Garza-Navarro, M. A., Garcia-Gutierrez, D. I. & Asomoza, R. (2014). One-dimensional ordered growth of magneto-crystalline and biocompatible cobalt ferrite nano-needles. [Materials Letters](#), 135, 67-70.

52 Ortega, J. J., Aguilar-Frutis, M. A., Alarcon, G., Falcony, C., Mendez-Garcia, V. H. & Araiza, J. J. (2014). Band Gap Engineering of Indium Zinc Oxide by Nitrogen Incorporation. [Materials Science and Engineering B-Advanced Functional Solid-State Materials](#), 187, 83-88.

53 Rodriguez-Angeles, A., Sira-Ramirez, H. & Garcia-Antonio, J. A. (2014). A Vehicle Haptic Steering by Wire System Based on High Gain Gpi Observers. [Mathematical Problems in Engineering](#), 2014, 981276.

* 54 Cortez-Valadez, M., Bocarando-Chacon, J. G., Hernandez-Martinez, A. R. et al. (2014). Optical Properties and Radial Breathing Modes Present in Cu Amorphous Quantum Dots Obtained by Green Synthesis. [Nanoscience and Nanotechnology Letters](#), 6(7), 580-583.

55 Rodriguez, A., Ortega, A., Berumen, L. C., Garcia-Alcocer, M. G., Gimenez, C. & Zafra, F. (2014). Expression of the System N Transporter (Snat5/Sn2) During Development Indicates Its Plausible Role in Glutamatergic Neurotransmission. [Neurochemistry International](#), 73, 166-171.

56 Soto-Arredondo, K. J., Flores-Villavicencio, L. L., Serrano-Luna, J. J., Shibayama, M. & Sabanero-Lopez, M. (2014). Biochemical and Cellular Mechanisms Regulating Acanthamoeba Castellani Adherence to Host Cells. [Parasitology](#), 141(4), 531-541.

57 Martinez-Rojas, V. A., Barragan-Iglesias, P., Rocha-Gonzalez, H. I., Murbartian, J. & Granados-Soto, V. (2014). Role of TRPV1 and ASIC3 in formalin-induced secondary allodynia and hyperalgesia. [Pharmacological Reports](#), 66(6), 964-971.

58 Resendiz-Antonio, M. & Santillan, M. (2014). On the Dynamical Vs. Thermodynamical Performance of a Beta-Type Stirling Engine. [Physica a-Statistical Mechanics and Its Applications](#), 409, 162-174.

59 Quintero, N., Diaz-Cruz, J. L. & Castro, G. L. (2014). Lepton Pair Emission in the Top Quark Decay $T \rightarrow Bw^{+}L^{-}L^{+}$. [Physical Review D](#), 89(9), 093014.

60 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Precision Measurement of the Top Quark Mass in Lepton Plus Jets Final States. [Physical Review Letters](#), 113(3), 032002.

61 Abelev, B., Adam, J., Adamova, D. et al. (2014). Centrality, Rapidity and Transverse Momentum Dependence of J/Psi Suppression in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. [Physics Letters B](#), 734, 314-327.

62 Casique-Arroyo, G., Martinez-Gallardo, N., De La Vara, L. G. & Delano-Frier, J. P. (2014). Betacyanin Biosynthetic Genes and Enzymes Are Differentially Induced by (a)Biotic Stress in *Amaranthus Hypochondriacus*. [Plos One](#), 9(6), e99012.

63 Reyes-Hernandez, O. D., Vega, L., Jimenez-Rios, M. A., Martinez-Cervera, P. F., Lugo-Garcia, J. A., Hernandez-Cadena, L., Ostrosky-Wegman, P., Orozco, L. & Elizondo, G. (2014). The Pxr Rs7643645 Polymorphism Is Associated With the Risk of Higher Prostate-Specific Antigen Levels in Prostate Cancer Patients. [Plos One](#), 9(6), e99974.

64 Plascencia-Espinosa, M., Santiago-Hernandez, A., Pavon-Orozco, P., Vallejo-Becerra, V., Trejo-Estrada, S., Sosa-Peinado, A., Benitez-Cardoza, C. G. & Hidalgo-Lara, M. E. (2014). Effect of deglycosylation on the properties of thermophilic invertase purified from the yeast *Candida guilliermondii* MplIIa. [Process Biochemistry](#), 49(9), 1480-1487.

65 Beltran-Carbajal, F., Silva-Navarro, G. & Arias-Montiel, M. (2014). Active Vibration Control in a Jeffcott-Like Rotor With Variable Speed Using an Electromechanical Suspension. [Revista Iberoamericana De Automatica E Informatica Industrial](#), 11(3), 295-303.

66 Banuelos-Hernandez, A. E. & Mendoza-Espinoza, J. A. (2014). Synthesis of the 2,3,4-triacetyl-1,6-dideoxy-L-mannose and tetracetyl-3,6-dideoxy-L-mannitol and the study of the reaction mechanism by molecular modeling. [Russian Journal of General Chemistry](#), 84(7), 1450-1457.

67 Ramirez-Rosas, M. B., Cobos-Puc, L. E., Sanchez-Lopez, A., Gutierrez-Lara, E. J. & Centurion, D. (2014). Pharmacological characterization of the mechanisms involved in the vasorelaxation induced by progesterone and 17Beta-estradiol on isolated canine basilar and internal carotid. [Steroids](#), 89, 33-40.

68 Marquez-Herrera, A., Fernandez-Munoz, J. L., Zapata-Torres, M., Melendez-Lira, M. & Cruz-Alcantar, P. (2014). Fe2B coating on ASTM A-36 steel surfaces and its evaluation of hardness and corrosion resistance. [Surface and Coatings Technology](#), 254, 433-439.

69 Del-Oso, J. A., Maldonado, J. L., Ramos-Ortiz, G., Rodriguez, M., Guizado-Rodriguez, M., Escalante, J., Frontana-Urbe, B. A., Perez-Gutierrez, E. & Santillan, R. (2014). New polythiophene derivatives and enhanced photovoltaic effect by a boron compound blended with them in OPVs cells. [Synthetic Metals](#), 196, 83-91.

70 Uriostegui-Acosta, M., Hernandez-Ochoa, I., Sanchez-Gutierrez, M., Pina-Guzman, B., Rafael-Vazquez, L., Solis-Heredia, M. J., Martinez-Aguilar, G. & Quintanilla-Vega, B. (2014). Methamidophos alters sperm function and DNA at different stages of spermatogenesis in mice. [Toxicology and Applied Pharmacology](#), 279(3), 391-400.

71 Hernandez-Pedro, N., Granados-Soto, V., Ordonez, G., Pineda, B., Rangel-Lopez, E., Salazar-Ramiro, A., Arrieta, O. & Sotelo, J. (2014). Vitamin A increases nerve growth factor and retinoic acid receptor beta and improves diabetic neuropathy in rats. [Translational Research](#), 164(3), 196-201.

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

72 Chi-Ucan, S. L., Castillo-Atoche, A., Borges, P. C., Manzanilla-Cano, J. A., Gonzalez-Garcia, G., Patino, R. & Diaz-Ballote, L. (2014). Inhibition Effect of Glycerol on the Corrosion of Copper in NaCl Solutions at Different Ph Values. [Journal of Chemistry](#), 2014, 396405.

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

73 Flisser, A., Ortega-Pierres, G., Talamas, P., Correa, D. & Hernandez-Hernandez, F. C. (2014). Editorial for the ICOPA XIII Special Issue. [International Journal for Parasitology](#), 44(9), 579.

ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

74 Cruz-Ortiz, B. R., Byrne, J. A., Dunlop, P. S., Magee, E., Fernandez-Ibanez, P., Polo-Lopez, M. I., O'Shea, K., Dionysiou, D. D. & Hamilton, J. W. (2014). Solar photocatalytic disinfection of water for developing countries. [Abstracts of Papers of the American Chemical Society](#), 248, ENVR-171.

75 Aquino-Miranda, G., Escamilla-Sanchez, J., Gonzalez-Pantoja, R., Bueno-Nava, A. & Arias-Montano, J. A. (2014). Effect of Histamine H-3 Receptor Activation on Rat Nucleus Accumbens Dopaminergic Transmission. [Inflammation Research](#), 63, S11-S12.

76 Morales-Figueroa, G. E., Marquez-Gomez, R., Gonzalez-Pantoja, R., Escamilla-Sanchez, J. & Arias-Montano, J. A. (2014). Histamine H-3 Receptor Activation Prevents Adenosine a(2a) Receptor-Mediated Facilitation of K+-Evoked [H-3]-Gaba Release From Rat Globus Pallidus Synaptosomes. [Inflammation Research](#), 63, S11.

77 Barragan-Galvez, J. C., Brieba-Castro, L. & Ortiz-Navarrete, V. (2014). Characterization of the Second Immunoglobulin Domain (Ig2) of the Human Receptor Crtam/Cd355 and Its Role in the Formation of Dimer. [Protein Science](#), 23, 219.

78 Melendez, E. M., Trigueros, J. L. R., De Castro, L. G. B., Verastegui, R. A. & Cardoza, C. G. B. (2014). Effect of Mg 2+in the Structure and Thermal Stability of Enolase From Trichomonas Vaginalis. [Protein Science](#), 23, 244-245.

79 Vique, J. L., Brieba, L. G., Arroyo, R., Ortega, J., Rojo, A., Garcia, P. & Benitez, C. (2014). Rational Search for a Compound That Selectively Inhibits the Triose Phosphate Isomerase From Trichomonas Vaginalis. [Protein Science](#), 23, 96-97.

80 Alvarado-Cruz, I., Sanchez-Guerra, M., Hernandez-Cadena, L., De Vizcaya-Ruiz, A., Mugica, V., Baccarelli, A., Pelallo-Martinez, N. & Quintanilla-Vega, B. (2014). Hypermethylation of DNA repair genes in urban children exposed to particulate matter. [Toxicology Letters](#), 229, S53.

81 Chin-Chan, M., Bautista, E., Segovia, J. & Quintanilla-Vega, B. (2014). Mercury prevents the differentiation of SH-SY5Y cells induced by retinoic acid. [Toxicology Letters](#), 229, S59-S60.

82 Escarcega-Gonzalez, C. E., Rodriguez-Vazquez, M. L., Jaramillo-Juarez, F., De La Cerda-Gonzalez, E., Martinez-Ruvalcaba, H., Posadas-Del Rio, F. A. & Escalante-Acosta, B. A. (2014). Analysis of the preventive effect of Ginkgo biloba on renal effects of titanium dioxide nanoparticles in adult male rats. [Toxicology Letters](#), 229, S190.

83 Navarro-Yepes, J., Annadurai, A., Bradley, E., Yarabe, B., Franco, R. & Quintanilla-Vega, B. (2014). Paraquat-induced ubiquitin/proteasome system dysfunction is compensated by P62-mediated autophagic clearance of oxidized/damaged proteins. [Toxicology Letters](#), 229, S75.

84 Posadas-Mondragon, A., Angulo-Rojo, C., Rios-Perez, A. et al. (2014). Toluene diisocyanate effect on A549 cells in the expression of c-Myc, NFkappaB and target genes. [Toxicology Letters](#), 229, S216-S217.

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

85 Garcia-Guzman, G. & Heil, M. (2014). Life Histories of Hosts and Pathogens Predict Patterns in Tropical Fungal Plant Diseases. [New Phytologist](#), 201(4), 1106-1120.

ARTÍCULOS DEL MES DE SEPTIEMBRE DE 2014

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

- 1 Morales-Figueroa, G. E., Marquez-Gomez, R., Gonzalez-Pantoja, R., Escamilla-Sanchez, J. & Arias-Montano, J. A. (2014). Histamine H-3 Receptor Activation Counteracts Adenosine a(2a) Receptor-Mediated Enhancement of Depolarization-Evoked [H-3]-Gaba Release From Rat Globus Pallidus Synaptosomes. [Acs Chemical Neuroscience](#), 5(8), 637-645.
- 2 Bermudez, D., Contreras-Astorga, A. & Fernandez-Cabrera, D. J. (2014). Painleve IV coherent states. [Annals of Physics](#), 350, 615-634.
- 3 Lopez-Arredondo, D. L., Leyva-Gonzalez, M. A., Gonzalez-Morales, S. I., Lopez-Bucio, J. & Herrera-Estrella, L. (2014). Phosphate Nutrition: Improving Low-Phosphate Tolerance in Crops. [Annual Review of Plant Biology](#), 65, 95-123.
- 4 Palande, A. S., Kulkarni, S. V., Leon-Ramirez, C., Campos-Gongora, E., Ruiz-Herrera, J. & Deshpande, M. V. (2014). Dimorphism and Hydrocarbon Metabolism in *Yarrowia Lipolytica* Var. *Indica*. [Archives of Microbiology](#), 196(8), 545-556.
- 5 Aab, A., Abreu, P., Aglietta, M. et al. (2014). A Targeted Search for Point Sources of Eev Neutrons. [Astrophysical Journal Letters](#), 789(2), L34.
- 6 Aguilar-Barragan, A. & Ochoa-Alejo, N. (2014). Virus-Induced Silencing of Myb and Wd40 Transcription Factor Genes Affects the Accumulation of Anthocyanins in Chilli Pepper Fruit. [Biologia Plantarum](#), 58(3), 567-574.
- 7 Gonzalez-Paez, G. E., Alba-Hurtado, F., Garcia-Tovar, C. G. & Arguello-Garcia, R. (2014). Proteinases in Excretory-Secretory Products of *Toxocara Canis* Second-Stage Larvae: Zymography and Modeling Insights. [Biomed Research International](#), 2014, 418708.
- 8 Vazquez-Zamorano, Z. E., Gonzalez-Lopez, M. A., Romero-Espejel, M. E., Azuara-Liceaga, E. I., Lopez-Casamichana, M. & Olivares-Trejo, J. D. (2014). *Streptococcus Pneumoniae* Secretes a Glyceraldehyde-3-Phosphate Dehydrogenase, Which Binds Haemoglobin and Haem. [Biometals](#), 27(4), 683-693.
- 9 Cervantes-Navarro, F., Martinez-Guajardo, G., Osorio, E., Moreno, D., Tiznado, W., Islas, R., Donald, K. J. & Merino, G. (2014). Stop Rotating! One Substitution Halts the B-19(-) Motor. [Chemical Communications](#), 50(73), 10680-10682.

10 Ferrer-Ugalde, A., Gonzalez-Campo, A., Vinas, C. et al. (2014). Fluorescence of New O-Carborane Compounds With Different Fluorophores: Can It Be Tuned? [Chemistry-a European Journal](#), 20(32), 9940-9951.

* 11 Pan, S., Moreno, D., Cabellos, J. L., Merino, G. & Chattaraj, P. K. (2014). Ab Initio Study on the Stability of Ng(N)Be(2)N(2), Ng(N)Be(3)N(2) and Ngbesin(2) Clusters. [Chemphyschem](#), 15(12), 2618-2625.

12 Manjarrez-Gutierrez, G., Hernandez-Chavez, V., Neri-Gomez, T., Boyzo-Montes De Oca, A., Mondragon-Herrera, J. A. & Hernandez-Rodriguez, J. (2014). Anatomopathological Findings During Development of Diabetic Cardiomyopathy in Rats. [Cirugia y Cirujanos](#), 82(1), 10-17.

13 Akl, J., Sasaki, I., Lacroix, P. G., Malfant, I., Mallet-Ladeira, S., Vicendo, P., Farfan, N. & Santillan, R. (2014). Comparative Photo-Release of Nitric Oxide From Isomers of Substituted Terpyridinenitrosyl-Ruthenium(II) Complexes: Experimental and Computational Investigations. [Dalton Transactions](#), 43(33), 12721-12733.

14 Medina, M. A., Ramirez, J. M., Coello-Coello, C. A. & Das, S. (2014). Use of a multi-objective teaching-learning algorithm for reduction of power losses in a power test system. [Dyna](#), 81(185), 196-203.

15 Gonzalez-Sanchez, D. & Hernandez-Lerma, O. (2014). Dynamic Potential Games: the Discrete-Time Stochastic Case. [Dynamic Games and Applications](#), 4(3), 309-328.

16 Alva-Basurto, J. C. & Arias-Gonzalez, J. E. (2014). Modelling the Effects of Climate Change on a Caribbean Coral Reef Food Web. [Ecological Modelling](#), 289, 1-14.

17 Ocampo, A. L., Jiang, Q. Z., Ma, Z. F., Varela, J. R. & De Gyves, J. (2014). The Effect of TiO₂ on the Catalytic Activity of a Pt/C Catalyst for Methanol Oxidation. [Electrocatalysis](#), 5(4), 387-395.

18 Pech-Canul, M. A., Pech-Canul, M. I., Bartolo-Perez, P. & Echeverria, M. (2014). The role of silicon alloying addition on the pitting corrosion resistance of an Al-12 wt. % Si alloy. [Electrochimica Acta](#), 140, 258-265.

19 Rodriguez-Perez, M., Chacon, C., Palacios-Gonzalez, E., Rodriguez-Gattorno, G. & Oskam, G. (2014). Photoelectrochemical water oxidation at electrophoretically deposited WO₃ films as a function of crystal structure and morphology. [Electrochimica Acta](#), 140, 320-331.

20 Diaz, V. G. & Burgos, R. N. B. (2014). Science Representations in Writing Compositions by Mexican High School Students. [Ensenanza De Las Ciencias](#), 32(2), 271-290.

- 21 Hernandez-Roman, M. A., Manzano-Ramirez, A., Pineda-Pinon, J. & Ortega-Moody, J. (2014). Exergetic and thermoeconomic analyses of solar air heating processes using a parabolic trough collector. [Entropy](#), 16, 4612-4625.
- 22 Castellanos, E., Rivas, J. I. & Dominguez-Rocha, V. (2014). Planck-Scale-Induced Speed of Sound in a Trapped Bose-Einstein Condensate. [Epl](#), 106(6), 60005.
- 23 Moosavi, R., Maleki, M., Shaebani, M. R., Ruiz-Suarez, J. C. & Clement, E. (2014). Stripe Formation in Horizontally Oscillating Granular Suspensions. [Epl](#), 107(3), 34006.
- 24 Abelev, B., Adam, J., Adamova, D. et al. (2014). Measurement of Quarkonium Production at Forward Rapidity in Collisions at Tev. [European Physical Journal C](#), 74(8), 2974.
- 25 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of Wz and Zz Production in Pp Collisions at in Final States With B-Tagged Jets. [European Physical Journal C](#), 74(8), 2973.
- 26 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. [European Physical Journal C](#), 74(8), 2980.
- 27 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Studies of Dijet Transverse Momentum Balance and Pseudorapidity Distributions in Ppb Collisions at Root S(Nn)=5.02 Tev. [European Physical Journal C](#), 74(7), 2951.
- 28 Quiroz-Gonzalez, S., Segura-Alegria, B. & Jimenez-Estrada, I. (2014). Depressing Effect of Electroacupuncture on the Spinal Non-Painful Sensory Input of the Rat. [Experimental Brain Research](#), 232(9), 2721-2729.
- 29 Mata-Rocha, M., Hernandez-Sanchez, J., Guarneros, G., De la Chesnaye, E., Sanchez-Tusie, A. A., Trevino, C. L., Felix, R. & Oviedo, N. (2014). The transcription factors Sox5 and Sox9 regulate Catsper1 gene expression. [Febs Letters](#), 588(18), 3352-3360.
- 30 Toledo, J., Sanchez, J. E., Williams, T., Gomez, A., Montoya, P. & Ibarra, J. E. (2014). Effect of Soil Moisture on the Persistence and Efficacy of Heterorhabditis Bacteriophora (Rhabditida: Heterorhabditidae) Against Anastrepha Ludens (Diptera: Tephritidae) Larvae. [Florida Entomologist](#), 97(2), 528-533.
- 31 Sanchez-Madrugal, M. A., Quintero-Ramos, A., Martinez-Bustos, F., Melendez-Pizarro, C. O. & Ruiz-Gutierrez, M. G. (2014). Effect of Different Calcium Sources on the Antioxidant Stability of Tortilla Chips From Extruded and Nixtamalized Blue Corn (Zea Mays L.) Flours. [Food Science and Technology](#), 34(1), 143-149.

32 Aceves-Ramos, A., De La Torre, P., Hinojosa, L., Ponce, A., Garcia-Villegas, R., Laclette, J. P., Bobes, R. J. & Romano, M. C. (2014). Cloning, Characterization and Functional Expression of Taenia Solium 17 Beta-Hydroxysteroid Dehydrogenase. [General and Comparative Endocrinology](#), 203, 186-192.

33 Montiel, A., Breton, N. & Salzano, V. (2014). Parameter Estimation of a Nonlinear Magnetic Universe From Observations. [General Relativity and Gravitation](#), 46(7), 1758.

34 Martinez-Lozada, Z., Waggener, C. T., Kim, K., Zou, S. P., Knapp, P. E., Hayashi, Y., Ortega, A. & Fuss, B. (2014). Activation of Sodium-Dependent Glutamate Transporters Regulates the Morphological Aspects of Oligodendrocyte Maturation Via Signaling Through Calcium/Calmodulin-Dependent Kinase II Beta's Actin-Binding/-Stabilizing Domain. [Glia](#), 62(9), 1543-1558.

35 Pennec, A., Legentil, L., Herrera-Estrella, L., Ferrieres, V., Chauvin, A. L. & Nugier-Chauvin, C. (2014). Environmentally Benign Glycosylation of Aryl Pyranosides and Aryl/Alkyl Furanosides Demonstrating the Versatility of Thermostable Cgtase From Thermoanaerobacterium Sp. [Green Chemistry](#), 16(8), 3803-3809.

36 Rodriguez-Rodriguez, C., Nava-Alonso, F. & Uribe-Salas, A. (2014). Silver leaching from pyrrargyrite oxidation by ozone in acid media. [Hydrometallurgy](#), 149, 168-176.

37 Morfin, O. A., Ruiz-Cruz, R., Loukianov, A. G., Sanchez, E. N., Castellanos, M. I. & Valenzuela, F. A. (2014). Torque Controller of a Doubly-Fed Induction Generator Impelled by a Dc Motor for Wind System Applications. [Iet Renewable Power Generation](#), 8(5), 484-497.

38 Gazquez, J. L., Gomez, B., Hinojosa, F. D. & Vela, A. (2014). Evaluation of Hardness in Kohn-Sham Theory With Local Density and Generalized Gradient Approximations. [Indian Journal of Chemistry Section a-Inorganic Bio-Inorganic Physical Theoretical & Analytical Chemistry](#), 53(8-9), 949-957.

39 Jalife, S., Grande-Aztatzi, R., Moreno, D., Fernandez-Herrera, M. A., Osorio, E., Pan, S., Schleyer, P. V., Martinez-Guajardo, G. & Merino, G. (2014). On the Nature of Ch₆₂⁺. [Indian Journal of Chemistry Section a-Inorganic Bio-Inorganic Physical Theoretical & Analytical Chemistry](#), 53(8-9), 992-995.

40 Sanchez-Rodriguez, R., Torres-Mena, J. E., De-La-Luz-Cruz, M. et al. (2014). Increased Expression of Prostaglandin Reductase 1 in Hepatocellular Carcinomas From Clinical Cases and Experimental Tumors in Rats. [International Journal of Biochemistry & Cell Biology](#), 53, 186-194.

- 41 Puente-Rivera, J., Ramon-Luing, L. A., Figueroa-Angulo, E. E., Ortega-Lopez, J. & Arroyo, R. (2014). Trichocystatin-2 (TC-2): An endogenous inhibitor of cysteine proteinases in *Trichomonas vaginalis* is associated with TvCP39. [International Journal of Biochemistry and Cell Biology](#), 54, 255-265.
- 42 Madera-Santana, T. J., Freile-Pelegrin, Y. & Azamar-Barrios, J. A. (2014). Physicochemical and Morphological Properties of Plasticized Poly(Vinyl Alcohol)-Agar Biodegradable Films. [International Journal of Biological Macromolecules](#), 69, 176-184.
- 43 Escamilla-Alvarado, C., Ponce-Noyola, M. T., Poggi-Varaldo, H. M., Rios-Leal, E., Garcia-Mena, J. & Rinderknecht-Seijas, N. (2014). Energy analysis of in-series biohydrogen and methane production from organic wastes. [International Journal of Hydrogen Energy](#), 39(29), 16587-16594.
- 44 Gonzalez-Quijano, D., Pech-Rodriguez, W. J., Escalante-Garcia, J. I., Vargas-Gutierrez, G. & Rodriguez-Varela, F. J. (2014). Electrocatalysts for ethanol and ethylene glycol oxidation reactions. Part I: Effects of the polyol synthesis conditions on the characteristics and catalytic activity of Pt-Sn/C anodes. [International Journal of Hydrogen Energy](#), 39(29), 16676-16685.
- 45 Pech-Rodriguez, W. J., Gonzalez-Quijano, D., Vargas-Gutierrez, G. & Rodriguez-Varela, F. J. (2014). Electrophoretic deposition of polypyrrole/Vulcan XC-72 corrosion protection coatings on SS-304 bipolar plates by asymmetric alternating current for PEM fuel cells. [International Journal of Hydrogen Energy](#), 39(29), 16740-16749.
- 46 Sanchez, V. M., Barbosa, R., Arriaga, L. G. & Ramirez, J. M. (2014). Real time control of air feed system in a PEM fuel cell by means of an adaptive neural-network. [International Journal of Hydrogen Energy](#), 39(29), 16750-16762.
- 47 Sanchez-Padilla, N. M., Morales-Acosta, D., Morales-Acosta, M. D., Montemayor, S. M. & Rodriguez-Varela, F. J. (2014). Catalytic activity and selectivity for the ORR of rapidly synthesized M@Pt (M = Pd, Fe₃O₄, Ru) core-shell nanostructures. [International Journal of Hydrogen Energy](#), 39(29), 16706-16714.
- 48 Suarez-Alcantara, K., Ezeta-Mejia, A., Ortega-Aviles, M., Haase, D., Arce-Estrada, E., Gonzalez-Huerta, R. G., Solorza-Feria, O. & Canton, S. E. (2014). Synchrotron-based structural and spectroscopic studies of ball milled RuSeMo and RuSnMo particles as oxygen reduction electrocatalyst for PEM fuel cells. [International Journal of Hydrogen Energy](#), 39(29), 16715-16721.
- 49 Vazquez-Larios, A. L., Solorza-Feria, O., Poggi-Varaldo, H. M., Gonzalez-Huerta, R. G., Ponce-Noyola, M. T., Rios-Leal, E. & Rinderknecht-Seijas, N. (2014). Bioelectricity production from municipal leachate in a microbial fuel cell: Effect of two cathodic catalyts. [International Journal of Hydrogen Energy](#), 39(29), 16667-16675.

- 50 Garduno, S. I., Alvarado, J., Cerdeira, A., Estrada, M., Kilchytska, V. & Flandre, D. (2014). Gate Leakage Currents Model for Finfets Implemented in Verilog-a for Electronic Circuits Design. [International Journal of Numerical Modelling-Electronic Networks Devices and Fields](#), 27(5-6), 846-862.
- 51 Castelan-Martinez, O. D., Jimenez-Mendez, R., Rodriguez-Islas, F. et al. (2014). Hearing Loss in Mexican Children Treated With Cisplatin. [International Journal of Pediatric Otorhinolaryngology](#), 78(9), 1456-1460.
- 52 Egorov, A. V. & Mondie, S. (2014). Necessary Conditions for the Exponential Stability of Time-Delay Systems Via the Lyapunov Delay Matrix. [International Journal of Robust and Nonlinear Control](#), 24(12), 1760-1771.
- 53 Ramirez-Neria, M., Sira-Ramirez, H., Garrido-Moctezuma, R. & Luviano-Juarez, A. (2014). Linear Active Disturbance Rejection Control of Underactuated Systems: the Case of the Furuta Pendulum. [Isa Transactions](#), 53(4), 920-928.
- 54 Rodriguez-Angeles, A. & Garcia-Antonio, J. A. (2014). Active Disturbance Rejection Control in Steering by Wire Haptic Systems. [Isa Transactions](#), 53(4), 939-946.
- 55 Hernandez-Garcia, M., Durruthy-Rodriguez, M. D., Costa-Marrero, J., Calderon-Pinar, F., Guerra, J. D. S. & Yanez-Limon, J. M. (2014). Photoluminescence in Pb_{0.95}Sr_{0.05}(Zr_{1-x}Ti_x)(1-Y)CryO₃ Ferroelectric Ceramic System. [Journal of Applied Physics](#), 116(4), 043510.
- 56 Duran-Limon, H. A., Siller, M., Hernandez-Ochoa, M., Quevedo, C. & Robles, V. (2014). A Network Qos Framework for Real-Time Event Systems in Highly Mobile Ad-Hoc Environments. [Journal of Applied Research and Technology](#), 12(3), 343-358.
- 57 Mendoza-Barcenas, M. A., Vicente-Vivas, E. & Rodriguez-Cortes, H. (2014). Mechatronic Design, Dynamic Modeling and Results of a Satellite Flight Simulator for Experimental Validation of Satellite Attitude Determination and Control Schemes in 3-Axis. [Journal of Applied Research and Technology](#), 12(3), 370-383.
- 58 Saavedra-Gomez, H. J., Loo-Yau, J. R., Del Valle-Padilla, J. L., Moreno, P., Sandoval-Ibarra, F. & Reynoso-Hernandez, J. A. (2014). Enhanced Rf Characteristics of a 0.5 μm High Voltage Nmosfet (Hvmos) in a Standard Cmos Technology. [Journal of Applied Research and Technology](#), 12(3), 471-476.
- 59 Chaves, J. A. P., Sanchez-Lopez, C., Gomes, M. P. B. et al. (2014). Biophysical and Morphological Studies on the Dual Interaction of Non-Octarepeat Prion Protein Peptides With Copper and Nucleic Acids. [Journal of Biological Inorganic Chemistry](#), 19(6), 839-851.

- 60 Nakamura, Y., Paetz, C., Brandt, W., David, A., Rendon-Anaya, M., Herrera-Estrella, A., Mithofer, A. & Boland, W. (2014). Synthesis of 6-Substituted 1-Oxoindanoyl Isoleucine Conjugates and Modeling Studies With the Coi1-Jaz Co-Receptor Complex of Lima Bean. [Journal of Chemical Ecology](#), 40(7), 687-699.
- 61 Montes-Molina, J. A., Nuricumbo-Zarate, I. H., Hernandez-Diaz, J., Gutierrez-Miceli, F. A., Dendooven, L. & Ruiz-Valdiviezo, V. M. (2014). Characteristics of Tomato Plants Treated With Leaf Extracts of Neem (*Azadirachta Indica* A. Juss. (L.)) And Mata-Raton (*Gliricidia Sepium* (Jacquin)): a Greenhouse Experiment. [Journal of Environmental Biology](#), 35(5), 935-942.
- 62 Cordero-Cid, A., Hernandez-Sanchez, J., Honorato, C. G., Moretti, S., Perez, M. A. & Rosado, A. (2014). Impact of a Four-Zero Yukawa Texture on $H \rightarrow \gamma\gamma$ and γZ in the Framework of the Two Higgs Doublet Model Type Iii. [Journal of High Energy Physics](#), (7), 57.
- 63 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Alignment of the Cms Tracker With Lhc and Cosmic Ray Data. [Journal of Instrumentation](#), 9, P06009.
- 64 Meza-Rocha, A. N., Huerta, E. F., Caldino, U. et al. (2014). Li⁺ Co-Doping Effect on the Photoluminescence Time Decay Behavior of Y₂O₃:Er³⁺ Films. [Journal of Luminescence](#), 154, 106-110.
- 65 Zapata-Morin, P. A., Sierra-Valdez, F. J. & Ruiz-Suarez, J. C. (2014). The interaction of local anesthetics with lipid membranes. [Journal of Molecular Graphics and Modelling](#), 53, 200-205.
- 66 Gomez-Sierra, T., Molina-Jijon, E., Tapia, E. et al. (2014). S-Allylcysteine Prevents Cisplatin-Induced Nephrotoxicity and Oxidative Stress. [Journal of Pharmacy and Pharmacology](#), 66(9), 1271-1281.
- 67 Hadad, C. Z., Florez, E., Merino, G., Cabellos, J. L., Ferraro, F. & Restrepo, A. (2014). Potential Energy Surfaces of Wc₆ Clusters in Different Spin States. [Journal of Physical Chemistry A](#), 118(31), 5762-5768.
- 68 Abelev, B., Adam, J., Adamova, D. et al. (2014). Technical Design Report for the Upgrade of the Alice Inner Tracking System. [Journal of Physics G-Nuclear and Particle Physics](#), 41(8), 087002.
- 69 Abelev, B., Adam, J., Adamova, D. et al. (2014). Upgrade of the Alice Experiment Letter of Intent. [Journal of Physics G-Nuclear and Particle Physics](#), 41(8), 087001.
- 70 Joseph, B., Paris, E., Mulato-Gomez, D. F. et al. (2014). Temperature Dependent Nanoscale Atomic Correlations in Ir₁-Xpt_xte₂ (X=0.0, 0.03 And 0.04) System. [Journal of Physics-Condensed Matter](#), 26(37), 375702.

- 71 Ruiz-Luna, H., Lozano-Mandujano, D., Alvarado-Orozco, J. M., Valarezo, A., Poblano-Salas, C. A., Trapaga-Martinez, L. G., Espinoza-Beltran, F. J. & Munoz-Saldana, J. (2014). Effect of Hvoc Processing Parameters on the Properties of Nicocraly Coatings by Design of Experiments. [Journal of Thermal Spray Technology](#), 23(6), 950-961.
- 72 Muniz, R., Flores, A., Ortiz, J., Rodriguez, N., Martinez, F., Orozco, P., Luna, J., Equihua, F. & Garcia, A. (2014). Microstructural Feature of as-Cast a-356 Alloy Modifiers With the Addition of Sro. [Journal of Wuhan University of Technology-Materials Science Edition](#), 29(3), 617-619.
- 73 Hernandez, M., Gasca-Leyva, E., Gressler, P. & Krise, D. (2014). Effects of Farm and Commercial Inputs on Carp Polyculture Performance: Participatory Trial in an Experimental Field Station. [Latin American Journal of Aquatic Research](#), 42(3), 468-476.
- 74 Alvarez-Cisneros, C., Munoz, M. A., Suarez-Castillo, O. R., Perez-Hernandez, N., Cerda-Garcia-Rojas, C. M., Morales-Rios, M. S. & Joseph-Nathan, P. (2014). Stereospecific (5)J(Hortho,Ome) Couplings in Methoxyindoles, Methoxycoumarins, and Methoxyflavones. [Magnetic Resonance in Chemistry](#), 52(9), 491-499.
- 75 Dutt, A., Matsumoto, Y., Godavarthi, S., Santana-Rodriguez, G., Santoyo-Salazar, J. & Escobosa, A. (2014). White Bright Luminescence at Room Temperature From Teos-Based Thin Films Via Catalytic Chemical Vapor Deposition. [Materials Letters](#), 131, 295-297.
- 76 Rosales-Perez, A., Gonzalez, J. A., Coello-Coello, C. A., Escalante, H. J. & Reyes-Garcia, C. A. (2014). Multi-objective model type selection. [Neurocomputing](#), 146(0), 83-94.
- 77 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Fractional Generalized Synchronization in a Class of Nonlinear Fractional Order Systems. [Nonlinear Dynamics](#), 77(4), 1237-1244.
- 78 Burguete-Garcia, A. I., Martinez-Nava, G. A., Valladares-Salgado, A. et al. (2014). Association of Beta 1 and Beta 3 Adrenergic Receptors Gene Polymorphisms With Insulin Resistance and High Lipid Profiles Related to Type 2 Diabetes and Metabolic Syndrome. [Nutricion Hospitalaria](#), 29(6), 1327-1334.
- 79 Kamekura, R., Kolegraff, K. N., Nava, P., Hilgarth, R. S., Feng, M., Parkos, C. A. & Nusrat, A. (2014). Loss of the Desmosomal Cadherin Desmoglein-2 Suppresses Colon Cancer Cell Proliferation Through Egfr Signaling. [Oncogene](#), 33(36), 4531-4536.
- 80 Mondragon, M., Balderas, J. U., Jimenez, G. L., Sanchez-Espindola, M. E. & Falcony, C. (2014). Energy transfer and compatibility analysis of PVK/MEH-PPV blends processed via electrospinning and electrospinning. [Organic Electronics](#), 15(11), 2993-2999.

- 81 Ibarra-Galvan, V., Lopez-Valdivieso, A., Villavelazquez-Mendoza, C. I., Santoyo-Salazar, J. & Song, S. X. (2014). Synthesis of Eskolaite (Al_2O_3) Nanostructures by Thermal Processing of Cr_2O_3 -Loaded Activated Carbon. [Particulate Science and Technology](#), 32(5), 451-455.
- 82 Gonzalez-Ramirez, R., Gonzalez-Banuelos, J., Villa, M. D., Jimenez, B., Garcia-Roca, P., Cruz-Antonio, L., Castaneda-Hernandez, G. & Medeiros, M. (2014). Bioavailability of a Generic of the Immunosuppressive Agent Mycophenolate Mofetil in Pediatric Patients. [Pediatric Transplantation](#), 18(6), 568-574.
- 83 Kudriavtsev, Y., Asomoza, R., Gallardo-Hernandez, S., Ramirez-Lopez, M., Lopez-Lopez, M., Nevedomsky, V. & Moiseev, K. (2014). Reconstruction of original indium distribution in InGaAs quantum wells from experimental SIMS depth profiles. [Physica B-Condensed Matter](#), 453, 53-58.
- 84 Morales-Meza, M., Zubieta-Rico, P. F., Horley, P. P., Sukhov, A. & Vieira, V. R. (2014). Multi-parameter optimization of a nanomagnetic system for spintronic applications. [Physica B-Condensed Matter](#), 453, 136-139.
- 85 Torchynska, T. V., Vorobiev, Y. V., Makhniy, V. P. & Horley, P. P. (2014). The influence of bio-conjugation on photoluminescence of CdSe/ZnS quantum dots. [Physica B-Condensed Matter](#), 453, 68-71.
- 86 Garcia-Castro, A. C., Romero, A. H. & Bousquet, E. (2014). First-Principles Study of Vibrational and Noncollinear Magnetic Properties of the Perovskite to Postperovskite Pressure Transition of NaMnF_3 . [Physical Review B](#), 90(6), 064113.
- 87 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of Jet Fragmentation in PbPb and Pp Collisions at $\sqrt{s(\text{NN})}=2.76$ TeV. [Physical Review C](#), 90(2), 024908.
- 88 Aab, A., Abreu, P., Aglietta, M. et al. (2014). Muons in Air Showers at the Pierre Auger Observatory: Measurement of Atmospheric Production Depth. [Physical Review D](#), 90(1), 012012.
- 89 Ayon-Beato, E., Hassaine, M. & Juarez-Aubry, M. M. (2014). Towards the Uniqueness of Lifshitz Black Holes and Solitons in New Massive Gravity. [Physical Review D](#), 90(4), 044026.
- 90 Manko, V. S. & Garcia-Compean, H. (2014). Nondisk Geometry of $R = 0$ in Kerr-De Sitter and Kerr-Newman-De Sitter Spacetimes. [Physical Review D](#), 90(4), 047501.
- 91 Sigalotti, L. D., Troconis, J., Sira, E., Pena-Polo, F. & Klapp, J. (2014). Diffuse-Interface Modeling of Liquid-Vapor Coexistence in Equilibrium Drops Using Smoothed Particle Hydrodynamics. [Physical Review E](#), 90(1), 013021.

92 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the Production Cross Section for a W Boson and Two B Jets in Pp Collisions at Root S=7 Tev. [Physics Letters B](#), 735, 204-225.

93 Martinez-Trujillo, M., Mendez-Bravo, A., Ortiz-Castro, R. et al. (2014). Chromate Alters Root System Architecture and Activates Expression of Genes Involved in Iron Homeostasis and Signaling in Arabidopsis Thaliana. [Plant Molecular Biology](#), 86(1-2), 35-50.

94 Navarro-Rosales, M., Avila-Orta, C. A., Neira-Velazquez, M. G. et al. (2014). Effect of Plasma Modification of Copper Nanoparticles on Their Antibacterial Properties. [Plasma Processes and Polymers](#), 11(7), 685-693.

95 Alvarez-Arellano, L., Cortes-Reynosa, P., Sanchez-Zauco, N., Salazar, E., Torres, J. & Maldonado-Bernal, C. (2014). Tlr9 and Nf-kB are partially involved in activation of human neutrophils by Helicobacter pylori and its purified Dna. [Plos One](#), 9(7), e101342.

96 Alvarez-Sandoval, B. A., Manzanilla, L. R. & Montiel, R. (2014). Sex Determination in Highly Fragmented Human Dna by High-Resolution Melting (Hrm) Analysis. [Plos One](#), 9(8), e104629.

97 Simon, M., Montiel, R., Smerling, A., Solorzano, E., Diaz, N., Alvarez-Sandoval, B. A., Jimenez-Marin, A. R. & Malgosa, A. (2014). Molecular Analysis of Ancient Caries. [Proceedings of the Royal Society B-Biological Sciences](#), 281(1790), 20140586.

98 Bernal, J. P., Solari, L. A., Gomez-Tuena, A., Ortega-Obregon, C., Mori, L., Vega-Gonzalez, M. & Espinosa-Arbelaez, D. G. (2014). In-Situ Th-230/U Dating of Quaternary Zircons Using La-Mcicpms. [Quaternary Geochronology](#), 23, 46-55.

99 Palmas, S. & Block, D. (2014). Access to a Written Representation of Natural Numbers: a Didactic Sequence for Adults With Little or No Schooling. [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 17(2), 165-189.

100 Leon, J. A., Sole, J. L., Utzet, F. & Vives, J. (2014). Local Malliavin Calculus for Levy Processes and Applications. [Stochastics-an International Journal of Probability and Stochastic Processes](#), 86(4), 551-572.

101 Lopez-Puerto, A., Aviles, F., Gamboa, F. & Oliva, A. I. (2014). A Vibrational Approach to Determine the Elastic Modulus of Individual Thin Films in Multilayers. [Thin Solid Films](#), 565, 228-236.

102 Poggi-Varaldo, H. M., Munoz-Paez, K. M., Escamilla-Alvarado, C. et al. (2014). Biohydrogen, Biomethane and Bioelectricity as Crucial Components of Biorefinery of Organic Wastes: a Review. [Waste Management & Research](#), 32(5), 353-365.

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

103 Zamudio-Moreno, E., Echevarria-Machado, I., Medina-Lara, M. F., Calva-Calva, G., Miranda-Ham, M. L. & Martinez-Estevez, M. (2014). Role of peroxidases in capsaicinoids in habanero papper (Capsicum chinense Jacq.) plants grown under water deficit conditions. [Australian Journal of Crop Science](#), 8(3), 448-454.

104 Rubio-Buerra, A. F., Vargas-Robles, H., Vargas-Ayala, G., Rodriguez-Lopez, L., Elizalde-Barrera, C. I. & Escalante-Acosta, B. A. (2014). The lipid independent effect of statins on albuminuria in type-2 diabetes mellitus. [Journal of Cardiovascular Disease](#), 2(3), 143-146.

105 Fabila-Monroy, R. & Lopez, J. (2014). Computational search of small point sets with small rectilinear crossing number. [Journal of Graph Algorithms and Applications](#), 18(3), 393-399.

106 Biswal, R., Maldonado, A., Vega-Perez, J., Acosta, D. R. & Olvera, M. D. (2014). Indium Doped Zinc Oxide Thin Films Deposited by Ultrasonic Chemical Spray Technique, Starting From Zinc Acetylacetonate and Indium Chloride. [Materials](#), 7(7), 5038-5046.

107 Rubio-Buerra, A. F., Vargas-Robles, H., Rodriguez-Lopez, L., Suarez-Cuenca, J. A. & Escalante-Acosta, B. A. (2014). Association between levels of growing transforming factor Beta1 and albuminuria in normotensive diabetic patients. [Medicina Interna Mexico](#), 30, 235-239.

108 Hurtado-Castaneda, D. M., Herrera-Perez, J. L., Arias-Ceron, J. S., Reyes-Betanzo, C., Rodriguez-Fragoso, P. & Mendoza-Alvarez, J. G. (2014). Aqueous sulfur passivation of N-type GaSb substrates studied by photoluminescence spectroscopy. [Natural Science](#), 6, 963-966.

109 Ayala-Torres, M. A., Mejia-Garcia, C., Diaz-Valdes, E., Romero-Labias, J., De la Cruz-Vicencio, M. G., Andraca-Adame, J. A., Subramaniam, V., Romero-Ibarra, J. & Lopez-Lopez, J. L. (2014). Morphological characterization of zinc oxide nanowires grown hydrothermally on PET substrate. [Superficies y Vacio](#), 27(1), 7-10.

110 Camacho-Espinosa, E., Rosendo, E., Diaz, T., Oliva, A. I., Rejon, V. & Pena, J. L. (2014). Effects of temperature and deposition time on the RF-sputtered CdTe films preparation. [Superficies y Vacio](#), 27(1), 15-19.

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

111 Leon-Lopez, L., Guzman-Ortiz, D. L. A., Garcia-Berumen, J. A., Chavez-Marmolejo, C. G. & Pena-Cabriales, J. J. (2014). Considerations for improving competitiveness of the "El Bajio" region in domestic strawberry production. [Revista Mexicana De Ciencias Agricolas](#), 5(4), 637-686.

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

112 Parravicini, V., Villeger, S., Mcclanahan, T. R. et al. (2014). Global Mismatch Between Species Richness and Vulnerability of Reef Fish Assemblages. [Ecology Letters](#), 17(9), 1101-1110.

113 Cordero, R., Cruz, M., Molgado, A. & Rojas, E. (2014). Quantum Modified Regge-Teitelboim Cosmology (Vol 46, Pg 1761, 2014). [General Relativity and Gravitation](#), 46(8), 1770.

114 Cantoral, R. (2014). Mathematics Education: Relme, Clame and Relime. [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 17(2), 125-129.

115 Cantoral, R. (2014). The Job of the Mathematics Educator: the Passage From the Individual to His Environment. [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 17(1), 5-6.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

116 Paredes-Palma, J. C. & Lopez-Bayghen, E. (2014). Sitagliptin and metformin alone or in combination in patients with polycystic ovarian syndrome (PCOS): a pilot study. [Fertility and Sterility](#), 102(3), e266.

117 Shaeffer, E., Pedraza, J., Camargo, F. & Lopez-Bayghen, E. (2014). Biomarkers for ovarian endometriosis in follicular fluid. [Fertility and Sterility](#), 102(3), e289-e290.

118 Barba-Behrens, N., Betanzos-Lara, S., Alfaro-Fuentes, I., Castro-Ramirez, R., Gracia-Mora, I., Contreras, R., Flores-Parra, A., Brumaghim, J. & Zimmerman, M. T. (2014). Structural and Electronic Properties of Biological Active Coordination Compounds of Imidazole Derivatives: Towards Understanding the Role of the Metal Ions. [Journal of Biological Inorganic Chemistry](#), 19, S740.

119 De La Cruz Barron, M., Navarro-Noya, Y., Ruiz-Valdiviezo, V. M. & Dendooven, L. (2014). Protein extraction from an alkaline saline soil as a crucial step in metaproteomic analysis. [Journal of Biotechnology](#), 185, S60.

120 Papillon-Gonzalez, L., Paredes-Lopez, O., Hernandez-Garcia, G., Luna-Guido, M. L., Ruiz-Valdiviezo, V. M. & Dendooven, L. (2014). Greenhouse gas emissions and characteristics of wheat (*Triticum ssp. L*) amended with anaerobically digested pig slurry for biogas production. [Journal of Biotechnology](#), 185, S59.

121 Serrano-Silva, N., Valenzuela-Encinas, C., Marsch, R., Dendooven, L. & Alcantara-Hernandez, R. (2014). Aerobic methane-oxidizing communities in saline alkaline and arable soils. [Journal of Biotechnology](#), 185, S59.

122 Banuelos-Hernandez, A. E., Mendoza-Espinoza, J. A., Pereda-Miranda, R. & Cerda-Garcia-Rojas, C. M. (2014). Conformational Analysis of (-)-Pironetin and Its Docking, Molecular Dynamics, and Covalent Interaction With Alpha-Tubulin. [Planta Medica](#), 80(10), 812.

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

123 Beltran, C., Rodriguez-Miranda, E., Granados-Gonzalez, G., Garcia-de De la Torre, L., Nishigaki, T. & Darszon, A. (2014). Zn²⁺ induces hyperpolarization by activation of a K⁺ channel and increases intracellular Ca²⁺ and pH in sea urchin spermatozoa. [Developmental Biology](#), 394(1), 15-23.

Última actualización: Octubre 2, 2014 11:59 a.m.

ARTÍCULOS DEL MES DE OCTUBRE DE 2014

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

*1 Luna-Palencia, G. R., Martínez-Ramos, F., Vasquez-Moctezuma, I. et al. (2014). Three Amino Acid Derivatives of Valproic Acid: Design, Synthesis, Theoretical and Experimental Evaluation as Anticancer Agents. [Anti-Cancer Agents in Medicinal Chemistry](#), 14(7), 984-993.

2 Armendariz, J., Parra-Vega, V., Garcia-Rodriguez, R. & Rosales, S. (2014). Neuro-fuzzy self-tuning of PID control for semiglobal exponential tracking of robot arms. [Applied Soft Computing](#), 25, 139-148.

3 Aab, A., Abreu, P., Aglietta, M. et al. (2014). Searches for Large-Scale Anisotropy in the Arrival Directions of Cosmic Rays Detected Above Energy of 1019 Ev at the Pierre Auger Observatory and the Telescope Array. [Astrophysical Journal](#), 794(2), 172.

4 Guadarrama-Bazante, I. L., Canseco-Alba, A. & Rodriguez-Manzo, G. (2014). Dopamine Receptors Play Distinct Roles in Sexual Behavior Expression of Rats With a Different Sexual Motivational Tone. [Behavioural Pharmacology](#), 25(7), 684-694.

5 Martínez-Absalon, S., Rojas-Solis, D., Hernández-Leon, R., Prieto-Barajas, C., Orozco-Mosqueda, M. D., Peña-Cabriales, J. J., Sakuda, S., Valencia-Cantero, E. & Santoyo, G. (2014). Potential Use and Mode of Action of the New Strain Bacillus Thuringiensis Um96 for the Biological Control of the Grey Mould Phytopathogen Botrytis Cinerea. [Biocontrol Science and Technology](#), 24(12), 1349-1362.

6 Esquivel-Rios, I., Gonzalez, I. & Thalasso, F. (2014). Microrespirometric Characterization of Activated Sludge Inhibition by Copper and Zinc. [Biodegradation](#), 25(6), 867-879.

7 Luna-Castro, S., Aguilar-Romero, F., Samaniego-Barron, L., Godinez-Vargas, D. & De La Garza, M. (2014). Effect of Bovine Apo-Lactoferrin on the Growth and Virulence of Actinobacillus Pleuropneumoniae. [Biometals](#), 27(5), 891-903.

8 Leon-Sicairos, N., Angulo-Zamudio, U. A., Vidal, J. E. et al. (2014). Bactericidal Effect of Bovine Lactoferrin and Synthetic Peptide Lactoferrin Chimera in Streptococcus Pneumoniae and the Decrease in LuxS Gene Expression by Lactoferrin. [Biometals](#), 27(5), 969-980.

9 Ramos-Ramirez, M. V., Lopez-Cuevas, J., Rodriguez-Galicia, J. L. & Rendon-Angeles, J. C. (2014). Synthesis of Ba_{0.75}Sr_{0.25}Al₂Si₂O₈ - ZrO₂ Ceramic Composites by Solid State Reaction of Mechanically Activated Precursor Mixtures. [Boletín De La Sociedad Española De Cerámica Y Vidrio](#), 53(4), 179-193.

10 Cruz-Pacheco, G., Esteva, L. & Vargas, C. (2014). Vaccination Strategies for Sir Vector-Transmitted Diseases. [Bulletin of Mathematical Biology](#), 76(8), 2073-2090.

11 Velazquez-Perez, L., Rodriguez-Labrada, R., Cruz-Rivas, E. M. et al. (2014). Comprehensive Study of Early Features in Spinocerebellar Ataxia 2: Delineating the Prodromal Stage of the Disease. [Cerebellum](#), 13(5), 568-579.

12 Rodriguez, L. F. & Ramos, F. (2014). Development of Computational Models of Emotions for Autonomous Agents: a Review. [Cognitive Computation](#), 6(3), 351-375.

13 Gomez-Velasco, D. A., Alvarez-Solis, J. D., Ruiz-Valdiviezo, V. M., Abud-Archila, M., Montes-Molina, J. A., Dendooven, L. & Gutierrez-Miceli, F. A. (2014). Enzymatic Activities in Soil Cultivated With Coffee (*Coffea Arabica* L. Cv. 'bourbon') and Amended With Organic Material. [Communications in Soil Science and Plant Analysis](#), 45(19), 2529-2538.

14 Ramirez-Montes, P. I., Ochoa, M. E., Santillan, R., Ramirez, D. J. & Farfan, N. (2014). Steroidal Wheel-and-Axle Host Type Molecules: Insights From Awkward Shape, Conformation, $Z' > 1$ and Packing. [Crystal Growth & Design](#), 14(9), 4681-4690.

15 Alarcon-Flores, G., Garcia-Hipolito, M., Aguilar-Frutis, M., Carmona-Tellez, S., Martinez-Martinez, R., Campos-Arias, M. P., Jimenez-Estrada, M. & Falcony, C. (2014). Luminescent and Structural Characteristics of $Y_2O_3:Tb^{3+}$ Thin Films as a Function of Substrate Temperature. [Ecs Journal of Solid State Science and Technology](#), 3(10), R189-R194.

16 Zavala, A. J. & Messina, A. R. (2014). A Dynamic Harmonic Regression Approach to Power System Modal Identification and Prediction. [Electric Power Components and Systems](#), 42(13), 1474-1483.

17 Thenozhi, S. & Yu, W. (2014). Stability analysis of active vibration control of building structures using PD/PID control. [Engineering Structures](#), 81, 208-218.

18 Colin-Torres, C. G., Murillo-Jimenez, J. M., Del Razo, L. M., Sanchez-Pena, L. C., Becerra-Rueda, O. F. & Marmolejo-Rodriguez, A. J. (2014). Urinary Arsenic Levels Influenced by Abandoned Mine Tailings in the Southernmost Baja California Peninsula, Mexico. [Environmental Geochemistry and Health](#), 36(5), 845-854.

19 Chatrchyan, S., Chatrchyan, S., Khachatryan, V. et al. (2014). Measurement of Jet Multiplicity Distributions in T(T)Over-Bar Production in Pp Collisions at Root S=7tev. [European Physical Journal C](#), 74(8), 3014.

20 Jimenez, A., Lopez-Ornelas, A., Estudillo, E., Gonzalez-Mariscal, L., Gonzalez, R. O. & Segovia, J. (2014). A Soluble Form of Gas1 Inhibits Tumor Growth and Angiogenesis in a Triple Negative Breast Cancer Model. [Experimental Cell Research](#), 327(2), 307-317.

21 Buenrostro-Figueroa, J., Ascacio-Valdes, A., Sepulveda, L., De la Cruz, R., Prado-Barragan, A., Aguilar-Gonzalez, M. A., Rodriguez, R. & Aguilar, C. N. (2014). Potential use of different agroindustrial by-products as supports for fungal ellagitannase production under solid-state fermentation. [Food and Bioproducts Processing](#), 92(4), 376-382.

*22 Aguilar, F. D. M., Novoa, M. A. O., Morales, S. R. & Vazquez, C. R. (2014). Nutritive Value of Four by-Product Meals as Potential Protein Sources in Diets for Octopus Maya. [Hidrobiologica](#), 24(1), 69-77.

23 Camacho-Perez, J. R. & Moreno, P. (2014). Initial Considerations Towards Hemispherical Near-Field Antenna Measurements. Ieee Antennas and Wireless [Propagation Letters](#), 13, 1441-1444.

- 24 Flores, G., Polanco, S., Duarte, M. A., Tlelo, E., De La Fraga, L. G. & Guerra, I. (2014). Selection of the Optimal Sizes of Analog Integrated Circuits by Fuzzy Sets Intersection. [IEEE Latin America Transactions](#), 12(6), 1005-1011.
- 25 Mera, M., Castanos, F. & Poznyak, A. (2014). Quantised and Sampled Output Feedback for Nonlinear Systems. [International Journal of Control](#), 87(12), 2475-2487.
- 26 Castillo-Cabrera, G., Garcia-Lamont, J., Reyes-Barranca, M. A., Matsumoto-Kuwabara, Y., Moreno-Cadenas, J. A. & Flores-Nava, L. M. (2014). Cmos Prototype for Retinal Prosthesis Applications With Analog Processing. [International Journal of Electronics](#), 101(12), 1621-1646.
- *27 Carro-Juarez, M., Rodriguez-Manzo, G., Pena, M. D. R. & Franco, M. A. (2014). Rhythmic Motor Patterns Accompanying Ejaculation in Spinal Cord-Transected Male Rats. [International Journal of Impotence Research](#), 26(5), 191-195.
- 28 Gomez-Esparza, C. D., Camarillo-Cisneros, J., Estrada-Guel, I., Cabanas-Moreno, J. G., Herrera-Ramirez, J. M. & Martinez-Sanchez, R. (2014). Effect of Cr, Mo and Ti on the microstructure and Vickers hardness of multi-component systems. [Journal of Alloys and Compounds](#), 615, S638-S644.
- 29 Chavez-Zichinelli, C. A., Gomez, L., Ortiz-Pulido, R., Lara, C., Valdez, R. & Romano, M. C. (2014). Testosterone Levels in Feces Predict Risk-Sensitive Foraging in Hummingbirds. [Journal of Avian Biology](#), 45(5), 501-506.
- 30 Mejia-Rodriguez, D. & Koster, A. M. (2014). Robust and Efficient Variational Fitting of Fock Exchange. [Journal of Chemical Physics](#), 141(12), 124114.
- 31 Ximello, A., Flores, H., Rojas, A., Camarillo, E. A. & Amador, M. P. (2014). Gas Phase Enthalpies of Formation of Nitrobenzamides Using Combustion Calorimetry and Thermal Analysis. [Journal of Chemical Thermodynamics](#), 79, 33-40.
- 32 Arcega-Cabrera, F., Velazquez-Tavera, N., Fargher, L., Derrien, M. & Norena-Barroso, E. (2014). Fecal sterols, seasonal variability, and probable sources along the ring of cenotes, Yucatan, Mexico. [Journal of Contaminant Hydrology](#), 168, 41-49.
- 33 Alvarez-Mendez, R. J., Escalante, S., Fernandez, J. M., Hernandez-Ortega, S., Salcedo, R. & Vela, A. (2014). The Square-Planar Structure of Bis[N-(1-Propyl)-3-Oxy-2-Naphthaldiminato]Copper(II). [Journal of Coordination Chemistry](#), 67(14), 2405-2414.
- 34 Aab, A., Abreu, P., Aglietta, M. et al. (2014). Reconstruction of Inclined Air Showers Detected With the Pierre Auger Observatory. [Journal of Cosmology and Astroparticle Physics](#), (8), 019.
- 35 Delgado, R. M., Luna-Barcenas, G., Arambula-Villa, G., Azuara, E., Lopez-Perea, P. & Salazar, R. (2014). Effect of Water Activity in Tortilla and Its Relationship on the Acrylamide Content After Frying. [Journal of Food Engineering](#), 143, 1-7.
- 36 Rozenblum, G. & Vasilevski, N. (2014). Toeplitz operators defined by sesquilinear forms: Fock space case. [Journal of Functional Analysis](#), 267(11), 4399-4430.

37 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for the Associated Production of the Higgs Boson With a Top-Quark Pair. [Journal of High Energy Physics](#), (9), 087.

38 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for Massive Resonances in Dijet Systems Containing Jets Tagged as W or Z Boson Decays in Pp Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (8), 173.

39 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for Massive Resonances Decaying Into Pairs of Boosted Bosons in Semi-Leptonic Final States at Root S=8 Tev. [Journal of High Energy Physics](#), (8), 174.

40 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Study of hadronic event-shape variables in multijet final states in pp collisions at root S=7 Tev. [Journal of High Energy Physics](#), (10), 087.

41 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Measurement of Prompt J/Psi Pair Production in Pp Collisions at Root S = 7 Tev. [Journal of High Energy Physics](#), (9), 094.

42 Jasso-Teran, R. A., Cortes-Hernandez, D. A., Muzquiz-Ramos, E. M. & Sanchez-Fuentes, H. J. (2014). Synthesis and Characterization of Zinc and Calcium Nanoferrites. [Journal of Materials Science-Materials in Medicine](#), 25(10), 2221-2228.

43 Saldivar-Ramirez, M. M. G., Sanchez-Torres, C. G., Cortes-Hernandez, D. A., Escobedo-Bocardo, J. C., Almanza-Robles, J. M., Larson, A., Resendiz-Hernandez, P. J. & Acuna-Gutierrez, I. O. (2014). Study on the Efficiency of Nanosized Magnetite and Mixed Ferrites in Magnetic Hyperthermia. [Journal of Materials Science-Materials in Medicine](#), 25(10), 2229-2236.

44 Sanchez, J., Cortes-Hernandez, D. A., Escobedo-Bocardo, J. C., Jasso-Teran, R. A. & Zugasti-Cruz, A. (2014). Bioactive Magnetic Nanoparticles of Fe-Ga Synthesized by Sol-Gel for Their Potential Use in Hyperthermia Treatment. [Journal of Materials Science-Materials in Medicine](#), 25(10), 2237-2242.

45 Torres-Torres, C., Torres-Torres, D., Garcia-Zarate, M. A., Garcia-Gil, C. I., Leyva-Porras, C. C., Solis-Canto, O. O., Trejo-Valdez, M., Khomenko, A. V. & Romero-Paredes, G. (2014). Optoelectronic Switching in a Microstructure Containing Au Nanoparticles. [Journal of Modern Optics](#), 61(18), 1500-1508.

46 Narasimhan, G., De Alba-Aguayo, D. R., Mondragon-Flores, R., Gonzalez-Pozos, S., Miranda-Saturnino, M. J., Sridharan, M. & Rueda, A. (2014). Acute Administration of Chitosan Nanoparticles Increases Ca²⁺ Leak in Rat Cardiomyocytes. [Journal of Nano Research](#), 28, 29-38.

47 Vidales-Hurtado, M. A. & Mendoza-Galvan, A. (2014). Electrochromic Properties of Nanoporous Alpha and Beta Nickel Hydroxide Thin Films Obtained by Chemical Bath Deposition. [Journal of Nano Research](#), 28, 63-72.

48 Montiel, H., Alvarez, G., Conde-Gallardo, A. & Zamorano, R. (2014). Effect of the Particle Size on the Microwave Absorption in the Yttrium-Iron Garnet. [Journal of Nano Research](#), 28, 73-81.

- 49 Zavala-Oseguera, C., Galano, A. & Merino, G. (2014). Computational Study on the Kinetics and Mechanism of the Carbaryl Plus Oh Reaction. [Journal of Physical Chemistry A](#), 118(36), 7776-7781.
- 50 Guven, J., Valencia, D. M. & Vazquez-Montejo, P. (2014). Environmental Bias and Elastic Curves on Surfaces. [Journal of Physics a-Mathematical and Theoretical](#), 47(35), 5201.
- 51 Snow, S. J., Vizcaya-Ruiz, A., Osornio-Vargas, A., Thomas, R. F., Schladweiler, M. C., Mcgee, J. & Kodavanti, U. P. (2014). The Effect of Composition, Size, and Solubility on Acute Pulmonary Injury in Rats Following Exposure to Mexico City Ambient Particulate Matter Samples. [Journal of Toxicology and Environmental Health-Part a-Current Issues](#), 77(19), 1164-1182.
- 52 Balam-May, A. J., Ramirez-Estudillo, C., Lazo-Vazquez, G. & Vega-Lopez, M. A. (2014). Postnatal Development of Lung T Lymphocytes in a Porcine Model. [Lung](#), 192(5), 793-802.
- 53 Soltani, N., Sadrnezhad, S. K. & Bahrami, A. (2014). Manufacturing Wear-Resistant 10ce-Tzp/Al2o3 Nanoparticle Aluminum Composite by Powder Metallurgy Processing. [Materials and Manufacturing Processes](#), 29(10), 1237-1244.
- 54 Alvarez, G., Montiel, H., Duran, A., Conde-Gallardo, A. & Zamorano, R. (2014). Signature of ferro-paraelectric transition in biferroic LuCrO3 from electron paramagnetic resonance and non-resonant microwave absorption. [Materials Chemistry and Physics](#), 148(3), 1108-1112.
- 55 Adams, N. E., Thiaville, J. J., Proestos, J., Juarez-Vazquez, A. L., Mccoy, A. J., Barona-Gomez, F., Iwata-Reuyl, D., De Crecy-Lagard, V. & Maurelli, A. T. (2014). Promiscuous and Adaptable Enzymes Fill "Holes" in the Tetrahydrofolate Pathway in Chlamydia Species. [Mbio](#), 5(4), e01378-14.
- *56 Ramirez-Rodriguez, L. P., Cortez-Valadez, M., Bocarando-Chacon, J. G., Arizpe-Chavez, H., Flores-Acosta, M., Velumani, S. & Ramirez-Bon, R. (2014). Plasmon Resonance and Raman Modes in Pb Nanoparticles Obtained in Extract of Opuntia Ficus-Indica Plant. [Nano](#), 9(6), 1450070.
- 57 Leija-Montoya, A. G., Benitez-Hess, M. L., Toscano-Garibay, J. D. & Alvarez-Salas, L. M. (2014). Characterization of an Rna Aptamer Against Hpv-16 L1 Virus-Like Particles. [Nucleic Acid Therapeutics](#), 24(5), 344-355.
- 58 Caamal-Fuentes, E., Moo-Puc, R., Freile-Pelegrin, Y. & Robledo, D. (2014). Cytotoxic and Antiproliferative Constituents From Dictyota Ciliolata, Padina Sanctae-Crucis and Turbinaria Tricostata. [Pharmaceutical Biology](#), 52(10), 1244-1248.
- 59 Kakazey, M., Vlasova, M., Vorobiev, Y., Leon, I., Gonzalez, M. C. & Urbiola, E. A. C. (2014). Processes of Microstructural Evolution During High-Energy Mechanical Treatment of Zno and Black Nio Powder Mixture. [Physica B-Condensed Matter](#), 453, 116-122.
- 60 Abazov, V. m., Abbott, B., Acharya, B. s. et al. (2014). Measurement of the Forward-Backward Asymmetry in the Distribution of Leptons in Tt over bar Events in the Lepton + Jets Channel. [Physical Review D](#), 90(7), 072001.

- 61 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for $W\gamma$ and WZ Production and Constraints on Anomalous Quartic Gauge Couplings in pp Collisions at $\sqrt{s}=8$ TeV. [Physical Review D](#), 90(3), 032008.
- 62 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for Jet Extinction in the Inclusive Jet- $P(T)$ Spectrum From Proton-Proton Collisions at $\sqrt{s}=8$ TeV. [Physical Review D](#), 90(3), 032005.
- 63 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the Muon Charge Asymmetry in Inclusive $pp \rightarrow W + X$ Production at $\sqrt{s}=7$ TeV and an Improved Determination of Light Parton Distribution Functions. [Physical Review D](#), 90(3), 032004.
- 64 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of the Electric Charge of the Top Quark in $T(\bar{T})$ Events. [Physical Review D](#), 90(5), 051101(R).
- 65 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Measurement of the Ratio $B(T \rightarrow Wb)/B(T \rightarrow Wq)$ in pp Collisions at $\sqrt{s}=8$ TeV. [Physics Letters B](#), 736, 33-57.
- 66 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Constraints on the Higgs Boson Width From Off-Shell Production and Decay to Z -Boson Pairs. [Physics Letters B](#), 736, 64-85.
- 67 Abelev, B., Adam, J., Adamova, D. et al. (2014). Production of Charged Pions, Kaons and Protons at Large Transverse Momenta in pp and $Pb-Pb$ Collisions at $\sqrt{s(NN)}=2.76$ TeV. [Physics Letters B](#), 736, 196-207.
- 68 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for Top-Squark Pairs Decaying Into Higgs or Z Bosons in pp Collisions at $\sqrt{s}=8$ TeV. [Physics Letters B](#), 736, 371-397.
- 69 Grudsky, S. & Rybkin, A. (2014). On Positive Type Initial Profiles for the Kdv Equation. [Proceedings of the American Mathematical Society](#), 142(6), 2079-2086.
- 70 Mouillot, D., Villeger, S., Parravicini, V. et al. (2014). Functional Over-Redundancy and High Functional Vulnerability in Global Fish Faunas on Tropical Reefs. [Proceedings of the National Academy of Sciences of the United States of America](#), 111(38), 13757-13762.
- 71 Canseco-Alba, A. & Rodriguez-Manzo, G. (2014). Low Anandamide Doses Facilitate Male Rat Sexual Behaviour Through the Activation of $Cb1$ Receptors. [Psychopharmacology](#), 231(20), 4071-4080.
- 72 Lopez-Carrillo, L., Hernandez-Ramirez, R. U., Gandolfi, A. J., Ornelas-Aguirre, J. M., Torres-Sanchez, L. & Cebrian, M. E. (2014). Arsenic Methylation Capacity Is Associated With Breast Cancer in Northern Mexico. [Toxicology and Applied Pharmacology](#), 280(1), 53-59.
- *73 Trujillo, J., Molina-Jijon, E., Medina-Campos, O. N. et al. (2014). Renal Tight Junction Proteins Are Decreased in Cisplatin-Induced Nephrotoxicity in Rats. [Toxicology Mechanisms and Methods](#), 24(7), 520-528.

74 Cuesta, C., Garcia-Pedraza, J. A., Garcia, M., Villalon, C. M. & Moran, A. (2014). Role of 5-HT7 receptors in the inhibition of the vasodepressor sensory CGRPergic outflow in pithed rats. [Vascular Pharmacology](#), 63(1), 4-12.

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

75 Bermudez, D. & Fernandez-Cabrera, D. J. (2014). Supersymmetric quantum mechanics and Painleve equations. [AIP Conference Proceedings](#), 1575, 50-88.

76 Ramirez-Velazquez, C., Beristain-Covarrubias, N., Guido-Bayardo, L. & Ortiz-Navarrete, V. (2014). Peripheral Blood T Cells and Neutrophils From Asthma Patients Express Class-I Mhc-Restricted T Cell-Associated Molecule. [Allergy Asthma and Clinical Immunology](#), 10, 46.

77 Garia-Gil de Munoz, F., Del Rio-Duenas, I., Ramos-Zuniga, R., Hernandez-Hernandez, F., Perez-Gomez, H. R., Macias-Ornelas, A. & Lopez-Elizalde, R. (2014). Sanitary biosecurity test against hospital acquired fungal infections: the role of hemolymph from the cochineal insect. [American Journal of Clinical and Experimental Medicine](#), 2(5), 97-102.

*78 Quintanilla, S. (2014). On the Shores of the Revolution: Martin Luis Guzman in Madrid (1915). [Historia Mexicana](#), 64(1), 105-+.

79 Enriquez, M. & Rosas-Ortiz, O. (2014). Some applications of the Kronecker product in Hubbard representation. [Journal of Physics: Conference Series](#), 538, 012007.

80 Bermudez, D., & Fernandez-Cabrera, D. J. (2014). Hamiltonians with two-ladder spectra and solutions to the Painleve IV equation. [Journal of Physics: Conference Series](#), 512, 012017.

81 Quinones-Galvan, J. G., Tototzintle-Huitle, H., Hernandez-Hernandez, L. A. et al. (2014). Study of the Structure, Optical Properties, Surface Morphology and Topology of ZnO Thin Films Grown by Sol-Gel on Silicon Substrates. [Materials Research Express](#), 1(3), 036404.

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

82 Scheffler-Mendoza, S. C., Yamazaki-Nakashimada, M. A., Olaya-Vargas, A., Morin-Contreras, A., Juarez-Echenique, J. C., Alcantara-Ortigoza, M. A., Zamora-Chavez, A., Santos-Argumedo, L. & Blancas-Galicia, L. (2014). Successful Stem Cell Transplantation in a Child With Chronic Granulomatous Disease Associated With Contiguous Gene Deletion Syndrome and Complicated by Macrophage Activation Syndrome. [Clinical Immunology](#), 154(2), 112-115.

83 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Publisher's note: Measurement of the Electric Charge of the Top Quark in T(T)Over-Bar Events [Phys. Rev. D 90, 051101(R) (2014)]. [Physical Review D](#), 90(7), 079904(E).

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

84 Abreu, A. C., Fraga, T. R., Martinez, A. P. G. et al. (2014). The Serine Protease Pic From Pathogenic Escherichia Coil and Shigella Flexneri Mediates Immune Evasion by the Direct Cleavage of Complement Proteins. [Molecular Immunology](#), 61(2), 271-272.

Última actualización: *Noviembre 3, 2014 10:47 a.m.*

ARTÍCULOS DEL MES DE NOVIEMBRE DE 2014

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

- *1 Berron-Ruiz, L., Morin-Contreras, A., Cano-Garcia, V. et al. (2014). Detection of inheritance pattern in thirty-three Mexican males with chronic granulomatous disease through 123 dihydrorhodamine assay. [Allergologia Et Immunopathologia](#), 42(6), 580-585.
- 2 Ahumada-Lazo, R., Torres-Martinez, L. M., Ruiz-Gomez, M. A., Vega-Becerra, O. E. & Figueroa-Torres, M. Z. (2014). Photocatalytic efficiency of reusable ZnO thin films deposited by sputtering technique. [Applied Surface Science](#), 322, 35-40.
- 3 Robledo, D., Navarro-Angulo, L., Lozano, D. V. & Freile-Pelegrin, Y. (2014). Nutrient Removal Efficiency of Hydropuntia Cornea in an Integrated Closed Recirculation System With Pink Shrimp Farfantepenaeus Brasiliensis. [Aquaculture Research](#), 45(10), 1648-1658.
- 4 Sanchez, A., Magana, G., Gomez, D., Solis, M. & Banares-Alcantara, R. (2014). Bidimensional Sustainability Analysis of Lignocellulosic Ethanol Production Processes. Method and Case Study. [Biofuels Bioproducts & Biorefining-Biofpr](#), 8(5), 670-685.
- 5 Markow, T. A., Hanna, G., Riesgo-Escovar, J. R., Tellez-Garcia, A. A., Richmond, M. P., Nazario-Yepiz, N. O., Lacleste, M. R. L., Carpinteyro-Ponce, J. & Pfeiler, E. (2014). Population Genetics and Recent Colonization History of the Invasive Drosophilid Zaprionus Indianus in Mexico and Central America. [Biological Invasions](#), 16(11), 2427-2434.
- 6 Garcia-Quiroz, J., Garcia-Becerra, R., Santos-Martinez, N. et al. (2014). In Vivo Dual Targeting of the Oncogenic Ether-a-Go-Go-1 Potassium Channel by Calcitriol and Astemizole Results in Enhanced Antineoplastic Effects in Breast Tumors. [Bmc Cancer](#), 14, 745.
- 7 Villa-Ruano, N. & Lozoya-Gloria, E. (2014). Anti-Fertility and Other Biological Activities of Zoapatle (Montanoa Spp.) With Biotechnological Application. [Boletin Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromaticas](#), 13(5), 415-436.
- 8 Molina-Martinez, L. M., Gonzalez-Espinosa, C. & Cruz, S. L. (2014). Dissociation of immunosuppressive and nociceptive effects of fentanyl, but not morphine, after repeated administration in mice: Fentanyl-induced sensitization to LPS. [Brain, Behavior and Immunity](#), 42, 60-64.
- *9 Jalife, S., Audiffred, M., Islas, R., Escalante, S., Pan, S., Chattaraj, P. K. & Merino, G. (2014). The Inorganic Analogues of Carbo-Benzene. [Chemical Physics Letters](#), 610, 209-212.
- *10 Uribe-Gutierrez, G., Hernandez-Santos, H., Manjarrez-Zavala, M. E. et al. (2014). Prevalence and Genotypes of the Adenovirus Infection as Well Detection of Co-Infection With Bocavirus in Mexican Immunosuppressed and Non-Immunosuppressed Children With Pneumonia. [Clinical Laboratory](#), 60(8), 1277-1285.
- 11 Lopez-Garcia, L., Perez, L. J. D. & Rodriguez-Henriquez, F. (2014). A Pairing-Based Blind Signature E-Voting Scheme. [Computer Journal](#), 57(10), 1460-1471.

- 12 Cervantes, J., Li, X. O. & Yu, W. (2014). Imbalanced Data Classification Via Support Vector Machines and Genetic Algorithms. [Connection Science](#), 26(4), 335-348.
- 13 Rojano, T., Filloy, E. & Puig, L. (2014). Intertextuality and Sense Production in the Learning of Algebraic Methods. [Educational Studies in Mathematics](#), 87(3), 389-407.
- 14 Benitez-Garcia, I., Vanegas-Espinoza, P. E., Melendez-Martinez, A. J., Heredia, F. J., Paredes-Lopez, O. & Del Villar-Martinez, A. A. (2014). Callus Culture Development of Two Varieties of *Tagetes Erecta* and Carotenoid Production. [Electronic Journal of Biotechnology](#), 17(3), 107-113.
- 15 Cupul, W. C., Abarca, G. H., Carrera, D. M. & Vazquez, R. R. (2014). Enhancement of Ligninolytic Enzyme Activities in a *Trametes Maxima*-*Paecilomyces Carneus* Co-Culture: Key Factors Revealed After Screening Using a Plackett-Burman Experimental Design. [Electronic Journal of Biotechnology](#), 17(3), 114-121.
- 16 Currier, J. M., Ishida, M. C., Gonzalez-Horta, C. et al. (2014). Associations Between Arsenic Species in Exfoliated Urothelial Cells and Prevalence of Diabetes Among Residents of Chihuahua, Mexico. [Environmental Health Perspectives](#), 122(10), 1088-1094.
- 17 Gonzalez-Valencia, R., Magana-Rodriguez, F., Gerardo-Nieto, O., Sepulveda-Jauregui, A., Martinez-Cruz, K., Anthony, K. W., Baer, D. & Thalasso, F. (2014). In Situ Measurement of Dissolved Methane and Carbon Dioxide in Freshwater Ecosystems by Off-Axis Integrated Cavity Output Spectroscopy. [Environmental Science & Technology](#), 48(19), 11421-11428.
- *18Quanjer, P. H., Capderou, A., Mazicioglu, M. M. et al. (2014). All-Age Relationship Between Arm Span and Height in Different Ethnic Groups. [European Respiratory Journal](#), 44(4), 905-912.
- 19 Tapia, E., Sanchez-Lozada, L. G., Garcia-Nino, W. R. et al. (2014). Curcumin Prevents Maleate-Induced Nephrotoxicity: Relation to Hemodynamic Alterations, Oxidative Stress, Mitochondrial Oxygen Consumption and Activity of Respiratory Complex I. [Free Radical Research](#), 48(11), 1342-1354.
- 20 Gonzalez-Prieto, J. M., Rosas-Quijano, R., Dominguez, A. & Ruiz-Herrera, J. (2014). The *Umgcn5* Gene Encoding Histone Acetyltransferase From *Ustilago Maydis* Is Involved in Dimorphism and Virulence. [Fungal Genetics and Biology](#), 71, 86-95.
- 21 Valdez, R. A., Jimenez, P., Presas, A. M. F., Aguilar, L., Willms, K. & Romano, M. C. (2014). *Taenia Solium* Tapeworms Synthesize Corticosteroids and Sex Steroids in Vitro. [General and Comparative Endocrinology](#), 205, 62-67.
- *22Madrigal, D., Torres, G. & Ramos, F. (2014). A Bio-Inspired Cognitive Architecture of the Motor System for Virtual Creatures. [Icice Transactions on Information and Systems](#), E97D(8), 2055-2056.
- 23 Estrada, N., Ascencio, F., Shoshani, L. & Contreras, R. G. (2014). Apoptosis of hemocytes from lions-paw scallop *Nodipecten subnodosus* induced with paralyzing shellfish poison from *Gymnodinium catenatum*. [Immunobiology](#), 219(12), 964-974.

24 Lara-Vazquez, A. R., Sanchez, A. & Valdez-Vazquez, I. (2014). Hydration treatments increase the biodegradability of native wheat straw for hydrogen production by a microbial consortium. [International Journal of Hydrogen Energy](#), 39(35), 19899-19904.

25 Sanchez, V. M., Chavez-Ramirez, A. U., Duron-Torres, S. M., Hernandez, J., Arriaga, L. G. & Ramirez, J. M. (2014). Techno-Economical Optimization Based on Swarm Intelligence Algorithm for a Stand-Alone Wind-Photovoltaic-Hydrogen Power System at South-East Region of Mexico. [International Journal of Hydrogen Energy](#), 39(29), 16646-16655.

*26 Bravo, M., Rodriguez, J. & Pascual, J. (2014). Sdws: Semantic Description of Web Services. [International Journal of Web Services Research](#), 11(2), 1-23.

27 Esparza, R., Tellez-Vazquez, O., Rodriguez-Ortiz, G., Angeles-Pascual, A., Velumani, S. & Perez, R. (2014). Atomic Structure Characterization of Au-Pd Bimetallic Nanoparticles by Aberration-Corrected Scanning Transmission Electron Microscopy. [Journal of Physical Chemistry C](#), 118(38), 22383-22388.

28 Salinas-Peba, L., Parra-Tabla, V., Campo, J. & Munguia-Rosas, M. A. (2014). Survival and Growth of Dominant Tree Seedlings in Seasonally Tropical Dry Forests of Yucatan: Site and Fertilization Effects. [Journal of Plant Ecology](#), 7(5), 470-479.

29 Martinez-Salazar, M., Lopez-Urrutia, E., Arechaga-Ocampo, E. et al. (2014). Biochemical and proteomic analysis of spliceosome factors interacting with intron-1 of human papillomavirus type-16. [Journal of Proteomics](#), 111, 184-197.

30 Valdes, J., Nozaki, T., Sato, E. et al. (2014). Proteomic analysis of Entamoeba histolytica in vivo assembled pre-mRNA splicing complexes. [Journal of Proteomics](#), 111, 30-45.

31 Gomez-De Leon, C. T., Diaz-Martin, R. D., Mendoza-Hernandez, G., Gonzalez-Pozos, S., Ambrosio, J. R. & Mondragon-Flores, R. (2014). Proteomic characterization of the subpellicular cytoskeleton of Toxoplasma gondii tachyzoites. [Journal of Proteomics](#), 111, 86-99.

32 Bolanos, V., Diaz-Martinez, A., Soto, J., Rodriguez, M. A., Lopez-Camarillo, C., Marchat, L. A. & Ramirez-Moreno, E. (2014). The flavonoid (-)-epicatechin affects cytoskeleton proteins and functions in Entamoeba histolytica. [Journal of Proteomics](#), 111, 74-85.

33 Aranda, D. A., Diaz, M. E., Reynoso, F. L., Brule, T., Montero, J. & Cardenas, E. B. (2014). Reproductive Strategies of the Eastern Oyster Crassostrea Virginica (Gmelin 1791) in Tropical Lagoons of the Mexican Gulf of Mexico. [Journal of Shellfish Research](#), 33(1), 145-152.

34 Velazco, G., Almanza, J. M., Cortes, D. A., Escobedo, J. C. & Escalante-Garcia, J. I. (2014). Effect of the Strontium Aluminate and Hemihydrate Contents on the Properties of a Calcium Sulphoaluminate Based Cement. [Materiales De Construccion](#), 64(315), E024.

35 Gallardo, M., Almanza, J. M., Cortes, D. A., Escobedo, J. C. & Escalante-Garcia, J. (2014). Synthesis and Mechanical Properties of a Calcium Sulphoaluminate Cement Made of Industrial Wastes. [Materiales De Construccion](#), 64(315), E023.

36 Nava, P., Kamekura, R., Quiros, M. et al. (2014). Irfn Gamma-Induced Suppression of Beta-Catenin Signaling: Evidence for Roles of Akt and 14.3.3 Zeta. [Molecular Biology of the Cell](#), 25(19), 2894-2904.

37 Martinez-Medina, L. A. & Matos, T. (2014). Scalar Field Dark Matter Mass Model and Evolution of Rotation Curves for Low Surface Brightness Galaxies. [Monthly Notices of the Royal Astronomical Society](#), 444(1), 185-191.

*38 Hernandez-Hernandez, J. D., Garcia-Gutierrez, H. A., Roman-Marin, L. U., Torres-Blanco, Y. I., Cerda-Garcia-Rojas, C. M. & Joseph-Nathan, P. (2014). Absolute Configuration of Cembrane Diterpenoids From *Bursera Multijuga*. [Natural Product Communications](#), 9(9), 1249-1252.

39 Bray, A. F., Cevallos, R. R., Gazarian, K. & Lamas, M. (2014). Human Dental Pulp Stem Cells Respond to Cues From the Rat Retina and Differentiate to Express the Retinal Neuronal Marker Rhodopsin. [Neuroscience](#), 280, 142-155.

*40 Antunez, C. A. V., Chayeb, L. T., Rodriguez-Segura, M. A., Alvarez, G. S. L., Garcia-Cuellar, C. M. & Trevino, S. V. (2014). Dna Methyltransferases 3a and 3b Are Differentially Expressed in the Early Stages of a Rat Liver Carcinogenesis Model. [Oncology Reports](#), 32(5), 2093-2103.

41 Rockwell, E. (2014). From Internal Unravelling to Transnational Assembling: Histories of Education in Mexico. [Paedagogica Historica](#), 50(6), 797-804.

42 Jacobo-Cabral, C. O., Garcia-Roca, P., Reyes, H., Lozada-Rojas, L., Cruz-Antonio, L., Medeiros, M. & Castaneda-Hernandez, G. (2014). Limustin (R), a Non-Innovator Tacrolimus Formulation, Yields Reduced Drug Exposure in Pediatric Renal Transplant Recipients. [Pediatric Transplantation](#), 18(7), 706-713.

43 Cardenas-Aquino, M. R., Salomon-Hernandez, G., Aguilar-Chavez, A., Luna-Guido, M. L., Marsch, R. & Dendooven, L. (2014). Anthracene Removal and Mineral N Dynamics in a Surfactant-Amended Soil. [Pedosphere](#), 24(6), 783-790.

44 Perez-Vargas, J. E., Zarco, N., Shibayama, M., Segovia, J., Tsutsumi, V. & Muriel, P. (2014). Hesperidin Prevents Liver Fibrosis in Rats by Decreasing the Expression of Nuclear Factor-Kappa B, Transforming Growth Factor-Beta and Connective Tissue Growth Factor. [Pharmacology](#), 94(1-2), 80-89.

45 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Constraints on Models for the Higgs Boson With Exotic Spin and Parity in $Vh \rightarrow Vb(B)\overline{\text{B}}$ Final States. [Physical Review Letters](#), 113(16), 161802.

46 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of the Differential Gamma+2b-Jet Cross Section and the Ratio $\sigma(\text{Gamma}+2\text{b-Jets})/\sigma(\text{Gamma}+\text{B-Jet})$ in $P(P)\overline{\text{B}}$ Collisions at $\sqrt{s}=1.96$ Tev. [Physics Letters B](#), 737, 357-365.

47 Marsch-Martinez, N., Zuniga-Mayo, V. M., Herrera-Ubaldo, H. et al. (2014). The Ntt Transcription Factor Promotes Replum Development in Arabidopsis Fruits. [Plant Journal](#), 80(1), 69-81.

- 48 Rocha, S. C., Pessoa, M. T. C., Neves, L. D. R. et al. (2014). 21-Benzylidene Digoxin: a Proapoptotic Cardenolide of Cancer Cells That up-Regulates Na, K-ATPase and Epithelial Tight Junctions. [Plos One](#), 9(10), e108776.
- 49 Carvajal-Gamez, B. I., Quintas-Granados, L. I., Arroyo, R., Vazquez-Carrillo, L. I., Ramon-Luing, L. D. A., Carrillo-Tapia, E. & Alvarez-Sanchez, M. E. (2014). Putrescine-Dependent Re-Localization of Tvcp39, a Cysteine Proteinase Involved in Trichomonas Vaginalis Cytotoxicity. [Plos One](#), 9(9), e107293.
- 50 Bahri, A., Bendersky, M., Cohen, F. R. & Gitler, S. (2014). On the Rational Type of Moment-Angle Complexes. [Proceedings of the Steklov Institute of Mathematics](#), 286(1), 219-223.
- 51 Galindo-Hernandez, O., Serna-Marquez, N., Castillo-Sanchez, R. & Perez-Salazar, E. (2014). Extracellular vesicles from MDA-MB-231 breast cancer cells stimulated with linoleic acid promote an EMT-like process in MCF10A cells. [Prostaglandins Leukotrienes and Essential Fatty Acids](#), 91(6), 299-310.
- 52 Romero-Pimentel, A. L., Vazquez-Roque, R. A., Camacho-Abrego, I., Hoffman, K. L., Linares, P., Flores, G. & Manjarrez, E. (2014). Histological correlates of N40 auditory evoked potentials in adult rats after neonatal ventral hippocampal lesion: animal model of schizophrenia. [Schizophrenia Research](#), 159(2-3), 450-457.
- 53 Gonzalez-Gutierrez, J., Carrillo-Estrada, J. L. & Ruiz-Suarez, J. C. (2014). Penetration of Granular Projectiles Into a Water Target. [Scientific Reports](#), 4, 6762.
- 54 Galaviz-Mosqueda, A., Villarreal-Reyes, S., Galeana-Zapien, H., Rubio-Loyola, J. & Covarrubias-Rosales, D. H. (2014). Reliable Multihop Broadcast Protocol With a Low-Overhead Link Quality Assessment for Its Based on Vanets in Highway Scenarios. [Scientific World Journal](#), 2014, 359636.
- 55 Dominguez, R. B., Moreno-Baron, L., Munoz, R. & Gutierrez, J. M. (2014). Voltammetric Electronic Tongue and Support Vector Machines for Identification of Selected Features in Mexican Coffee. [Sensors](#), 14(9), 17770-17785.
- 56 Czajkowska-Szczykowska, D., Jastrzebska, I., Santillan, R. & Morzycki, J. W. (2014). The synthesis of disteroidal macrocyclic molecular rotors by an RCM approach. [Tetrahedron](#), 70(49), 9427-9435.
- 57 Buendia-Trujillo, A. I., Torres-Valencia, J. M., Joseph-Nathan, P. & Burgueno-Tapia, E. (2014). The absolute configuration of angular 3'-acyloxypranocoumarins by vibrational circular dichroism exciton chirality. [Tetrahedron: Asymmetry](#), 25(20-21), 1418-1423.
- 58 Estrada, M., Gutierrez-Heredia, G., Cerdeira, A., Alvarado, J., Garduno, I., Tinoco, J., Mejia, I. & Quevedo-Lopez, M. (2014). Temperature dependence of the electrical characteristics of low-temperature processed zinc oxide thin film transistors. [Thin Solid Films](#), 573, 18-21.

*59 Flores, W. G., Pereira, W. C. D. & Infantosi, A. F. C. (2014). Breast Ultrasound Despeckling Using Anisotropic Diffusion Guided by Texture Descriptors. [Ultrasound in Medicine and Biology](#), 40(11), 2609-2621.

60 Ordaz-Cortes, A., Thalasso, F., Salgado-Manjarrez, E. & Garibay-Orijel, C. (2014). Treatment of Wastewater Containing High Concentrations of Terephthalic Acid by Comamonas Sp. And Rhodococcus Sp.: Kinetic and Stoichiometric Characterization. [Water and Environment Journal](#), 28(3), 393-400.

61 Gastelum-Arellanez, A., Paredes-Lopez, O. & Olalde-Portugal, V. (2014). Extracellular Endoglucanase Activity From Paenibacillus Polymyxa Beb-40: Production, Optimization and Enzymatic Characterization. [World Journal of Microbiology & Biotechnology](#), 30(11), 2953-2965.

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

62 Viveros, A. M., Rubio, E. H. & Ceballos, D. E. V. (2014). Equivalence of Navigation Widgets for Mobile Platforms. [Lecture Notes in Computer Science](#), 8518, 269-278.

63 Santillan, M. (2014). Brief Introduction to Chemical Kinetics. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 1-6.

64 Santillan, M. (2014). Brief Introduction to Thermodynamics. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 7-14.

65 Santillan, M. (2014). Cooperativity. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 77-90.

66 Santillan, M. (2014). Different Approaches to Analyzing a Simple Chemical Reaction. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 15-28.

67 Santillan, M. (2014). Enzymatic Reactions. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 51-60.

68 Santillan, M. (2014). Gene Expression and Regulation. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 91-106.

69 Santillan, M. (2014). Ion Channel Dynamics and Ion Transport Across Membranes. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 107-122.

70 Santillan, M. (2014). Molecule Synthesis and Degradation. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 29-49.

71 Santillan, M. (2014). Receptor-Ligand Interaction. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. 61-76.

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

72 Santillan, M. (2014). Chemical Kinetics, Stochastic Processes, and Irreversible Thermodynamics Preface. [Lecture Notes on Mathematical Modelling in the Life Sciences](#), pp. VII-+.

73 Landero, M. M., Liceaga-Correa, M. D. & Morales-Vela, B. (2014). Ecological Distribution of Manatee (*Trichechus Manatus Manatus*) in Bahia De La Ascension, Mexico. [Marine Mammal Science](#), 30(4), 1581-1588.

74 Del Toro-De Leon, G., Garcia-Aguilar, M. & Gillmor, C. S. (2014). Non-Equivalent Contributions of Maternal and Paternal Genomes to Early Plant Embryogenesis. [Nature](#), 514(7524), 624-+.

7

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

75 Aguilar-Lemarroy, A., Ramos-Solano, M., Meza-Canales, I. D., Torres-Reyes, L. A., Alvarado-Ruiz, L., Alvarez-Zavala, M., Gariglio, P. & Jave-Suarez, L. F. (2014). Expression Levels of Wnt Genes in Cervical Cancer-Derived Cell Lines: Wnt7a Is Down-Regulated and Its Overexpression Inhibits Cell Proliferation. [Anticancer Research](#), 34(10), 5794-5795.

76 Hernandez, O. G., Vazquez, M. C. G., Gutierrez, C. V. A., Hernandez, O. D. R., Martinez, M. S. & Salazar, E. P. (2014). Levels of Microvesicles Isolated From Blood of Breast Cancer Patients Is Higher Than in Healthy Women. [Anticancer Research](#), 34(10), 5914-5915.

77 Reyes-Urbe, E., Cortes-Reynosa, P. & Perez-Salazar, E. (2014). Native Type Iv Collagen Induces Migration Through a Pi3k/Akt-Dependent Pathway in Mda-Mb-231 Breast Cancer Cells. [Anticancer Research](#), 34(10), 6133.

78 Marquez, N. S., Comonfort, S. V., Hernandez, O. G., Tito, N. N. & Salazar, E. P. (2014). Role of Loxs and Cox-2 in Fak Activation and Cell Migration Induced by Linoleic Acid in Mda-Mb-231 Cancer Cells. [Anticancer Research](#), 34(10), 6159.

79 Oviedo-Solis, C. I., Sandoval-Salazar, C., Maldonado-Aguilera, G., Lozoya-Gloria, E., Aguilar-Zavala, H., Perez-Vazquez, V. & Ramirez-Emiliano, J. (2014). Effect of UV-Irradiated Strawberry Extracts on Oxidative Stress in Vitro and in Liver of Obese Rats. [Free Radical Biology and Medicine](#), 76(S1), S87.

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

80 Guerrero-Hernandez, A., Gallegos-Gomez, M. L., Sanchez-Vazquez, V. H. & Lopez-Mendez, M. C. (2014). Acidic intracellular Ca²⁺ stores and caveolae in Ca²⁺ signaling and diabetes. [Cell Calcium](#), 56(5), 323-331.

81 Pereira, L., Ruiz-Hurtado, G., Rueda, A., Mercadier, J. J., Benitah, J. P. & Gomez, A. M. (2014). Calcium signaling in diabetic cardiomyocytes. [Cell Calcium](#), 56(5), 372-380.

82 Guerrero-Hernandez, A. & Verkhatsky, A. (2014). Calcium signalling in diabetes. [Cell Calcium](#), 56(5), 297-301.

83 Guerrero-Hernandez, A., Leon-Aparicio, D., Chavez-Reyes, J., Olivares-Reyes, J. A. & De Jesus, S. (2014). Endoplasmic reticulum stress in insulin resistance and diabetes: Calcium in diabetes. [Cell Calcium](#), 56(5), 311-322.

84 Avila, G., Osornio-Garduno, D. S., Rios-Perez, E. B. & Ramos-Mondragon, R. (2014). Functional and structural impact of pirfenidone on the alterations of cardiac disease and diabetes mellitus. [Cell Calcium](#), 56(5), 428-435.

85 Fernandez, M. S. (2014). Human IAPP amyloidogenic properties and pancreatic Beta-cell death. [Cell Calcium](#), 56(5), 416-427.

86 Abelev, B., Abramyan, A., Adam, J. et al. (2014). Performance of the Alice Experiment at the Cern Lhc. [International Journal of Modern Physics A](#), 29(24), 1430044.

87 Paz-Rios, C. E., Guerra-Garcia, J. M. & Ardisson, P. L. (2014). Caprellids (Crustacea: Amphipoda) From the Gulf of Mexico, With Observations on Deutella Mayeri, Redescription of Metaprotella Hummelincki, a Taxonomic Key and Zoogeographical Comments. [Journal of Natural History](#), 48(41-42), 2517-2578.

88 Ortiz-Martinez, M., Winkler, R. & Garcia-Lara, S. (2014). Preventive and therapeutic potential of peptides from cereals against cancer. [Journal of Proteomics](#), 111, 165-183.

89 Heil, M. (2014). Herbivore- Induced Plant Volatiles: Targets, Perception and Unanswered Questions. [New Phytologist](#), 204(2), 297-306.

90 Larre, I., Ponce, A., Franco, M. & Cerejido, M. (2014). The emergence of the concept of tight junctions and physiological regulation by ouabain. [Seminars in Cell & Developmental Biology](#), 36, 149-156.

91 Gonzalez-Mariscal, L., Dominguez-Calderon, A., Raya-Sandino, A., Ortega-Olvera, J. M., Vargas-Sierra, O. & Martinez-Revollar, G. (2014). Tight junctions and the regulation of gene expression. [Seminars in Cell & Developmental Biology](#), 36, 213-223.

ARTÍCULOS DEL MES DE DICIEMBRE DE 2014

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

- 1 Arizmendi-Morquecho, A., Campa-Castilla, A., Leyva-Porras, C., Martinez, J. A. A., Gutierrez, G. V., Bello, K. J. M. & Lopez, L. L. (2014). Microstructural Characterization and Wear Properties of Fe-Based Amorphous-Crystalline Coating Deposited by Twin Wire Arc Spraying. [Advances in Materials Science and Engineering](#), 2014, 836739.
- 2 Garcia-Gonzalez, R., Zavala-Arce, R. E., Avila-Perez, P., Garcia-Gaitan, B., Gonzalez-Chavez, J. L., Muro-Urista, C. & Luna-Barcenas, G. (2014). Synthesis and Characterization of a Cryogel From Chitosan and Cellulose. [Afinidad](#), 71(567), 228-233.
- 3 Basabe, I., Gonzalez, J., Rudyak, Y. B. & Tamaki, D. (2014). Higher Topological Complexity and Its Symmetrization. [Algebraic and Geometric Topology](#), 14(4), 2103-2124.
- 4 Cabrera-Romo, S., Recio-Totoro, B., Alcala, A. C., Lanz, H., Del Angel, R. M., Sanchez-Cordero, V., Rodriguez-Moreno, A. & Ludert, J. E. (2014). Experimental Inoculation of Artibeus Jamaicensis Bats With Dengue Virus Serotypes 1 or 4 Showed No Evidence of Sustained Replication. [American Journal of Tropical Medicine and Hygiene](#), 91(6), 1227-1234.
- *5 Hernandez, R. A., Mendoza, G. D., Barcena, R., Montes, M. C. & Martinez, J. A. (2014). Effect of a Xylanolytic Enzymatic Extract From Cellulomonas Flavigena on in Situ Ruminant Digestion of Agricultural Wastes. [Animal Nutrition and Feed Technology](#), 14(3), 481-488.
- 6 Banik, S. D., Castillo, T., Rodriguez, L. & Dickinson, F. (2014). Body Fatness in Relation to Physical Activity and Selected Socioeconomic Parameters of Adolescents Aged 15-17 Years in Merida, Yucatan. [Annals of Human Biology](#), 41(6), 497-505.
- *7 Lopez, M. F., Armendariz-Toledano, F., Samano, J. E. M., Shibayama-Salas, M. & Zuniga, G. (2014). Comparative Study of the Antennae of Dendroctonus Rhizophagus and Dendroctonus Valens (Curculionidae: Scolytinae): Sensilla Types, Distribution and Club Shape. [Annals of the Entomological Society of America](#), 107(6), 1130-1143.
- 8 Coconi-Linares, N., Magana-Ortiz, D., Guzman-Ortiz, D. A., Fernandez, F., Loske, A. M. & Gomez-Lim, M. A. (2014). High-Yield Production of Manganese Peroxidase, Lignin Peroxidase, and Versatile Peroxidase in Phanerochaete Chrysosporium. [Applied Microbiology and Biotechnology](#), 98(22), 9283-9294.
- 9 Cabrera, R., Rocha, J., Flores, V., Vazquez-Moreno, L., Guarneros, G., Olmedo, G., Rodriguez-Romero, A. & De La Torre, M. (2014). Regulation of Sporulation Initiation by Nprp and Its Signaling Peptide Nprpb: Molecular Recognition and Conformational Changes. [Applied Microbiology and Biotechnology](#), 98(22), 9399-9412.
- 10 Diaz-Castanon, S., Garcia-Zaldivar, O., Faloh-Gandarilla, J., Watts, B. E., Calderon-Pinar, F., Hernandez-Landaverde, M. A. & Espinoza-Beltran, F. J. (2014). Synthesis of Powders and Thin Films of Bismuth Ferrite From Solution: a Magneto-Electric Study. [Applied Physics a-Materials Science & Processing](#), 117(3), 1283-1288.

11 Garnica-Garza, H. M. (2014). Influence of the Electron Energy and Number of Beams on the Absorbed Dose Distributions in Radiotherapy of Deep Seated Targets. [Applied Radiation and Isotopes](#), 94, 101-108.

12 Chavez-Sanchez, M. C., Olvera-Novoa, M. A., Osuna-Duran, B., De La Parra, I. A., Abad-Rosales, S. M. & Martinez-Rodriguez, I. (2014). Ascorbic Acid Requirement and Histopathological Changes Due to Its Deficiency in Juvenile Spotted Rose Snapper *Lutjanus Guttatus* (Steindachner, 1869). [Aquaculture International](#), 22(6), 1891-1909.

13 Stengel, D. B., Conde-Alvarez, R., Connan, S. et al. (2014). Short-Term Effects of Co2, Nutrients and Temperature on Three Marine Macroalgae Under Solar Radiation. [Aquatic Biology](#), 22, 159-176.

14 Figueroa, F. L., Barufi, J. B., Malta, E. J. et al. (2014). Short-Term Effects of Increasing Co2, Nitrate and Temperature on Three Mediterranean Macroalgae: Biochemical Composition. [Aquatic Biology](#), 22, 177-193.

15 Abeysekara, A. U., Alfaro, R., Alvarez, C. et al. (2014). Observation of Small-Scale Anisotropy in the Arrival Direction Distribution of Tev Cosmic Rays With Hawc. [Astrophysical Journal](#), 796(2), 108.

16 Egorov, A. V. & Mondie, S. (2014). Necessary stability conditions for linear delay systems. [Automatica](#), 50(12), 3204-3208.

17 Marquez, V. M. P., Ochoa, J. L., Cruz, C. V., Alonso, P. S., Olmedo-Alvarez, G., Vaca, S. & Abascal, E. N. (2014). Isolation of *Actinobacillus Pleuropneumoniae* From Layer Hens Showing Clinical Signs of Infectious Coryza. [Avian Diseases](#), 58(4), 638-641.

18 Gutierrez-Lazos, C. D., Ortega-Lopez, M., Perez-Guzman, M. A., Espinoza-Rivas, A. M., Solis-Pomar, F., Ortega-Amaya, R., Silva-Vidaurre, L. G., Castro-Pena, V. C. & Perez-Tijerina, E. (2014). Optical and Structural Characterization of Oleic Acid-Stabilized Cdte Nanocrystals for Solution Thin Film Processing. [Beilstein Journal of Nanotechnology](#), 5, 881-886.

19 Bautista-Santos, A. & Zinker, S. (2014). The P1/P2 Protein Heterodimers Assemble to the Ribosomal Stalk at the Moment When the Ribosome Is Committed to Translation but Not to the Native 60s Ribosomal Subunit in *Saccharomyces Cerevisiae*. [Biochemistry](#), 53(25), 4105-4112.

20 Pina-Vazquez, C., Reyes-Lopez, M., Mendoza-Hernandez, G., Bermudez-Cruz, R. M. & De la Garza, M. (2014). Identification of phosphatidylcholine transfer protein-like in the parasite *Entamoeba histolytica*. [Biochimie](#), 107, 223-234.

21 Greene, S., Anthony, K. M. W., Archer, D., Sepulveda-Jauregui, A. & Martinez-Cruz, K. (2014). Modeling the Impediment of Methane Ebullition Bubbles by Seasonal Lake Ice. [Biogeosciences](#), 11(23), 6791-6811.

- 22 Villavicencio, L. L. F., Cruz-Jimenez, G., Barbosa-Sabanero, G., Kornhauser-Araujo, C., Mendoza-Garrido, M. E., De La Rosa, G. & Sabanero-Lopez, M. (2014). Human Lung Cancer Cell Line a-549 Atcc Is Differentially Affected by Supranutritional Organic and Inorganic Selenium. [Bioinorganic Chemistry and Applications](#), 2014, 923834.
- 23 Meraz-Rios, M. A., Majluf-Cruz, A., Santana, C. et al. (2014). Association of Vwa and TpoX Polymorphisms With Venous Thrombosis in Mexican Mestizos. [Biomed Research International](#), 2014, 697689.
- 24 Rempoulakis, P., Afshar, N., Osorio, B. et al. (2014). Conserved Metallomics in Two Insect Families Evolving Separately for a Hundred Million Years. [Biometals](#), 27(6), 1323-1335.
- 25 Martinez-Fonseca, N., Chairez, I. & Poznyak, A. (2014). Uniform Step-by-Step Observer for Aerobic Bioreactor Based on Super-Twisting Algorithm. [Bioprocess and Biosystems Engineering](#), 37(12), 2493-2503.
- 26 Resendiz-Hernandez, P. J., Cortes-Hernandez, D. A., Saldivar-Ramirez, M. M. G., Acuna-Gutierrez, I. O., Flores-Valdes, A., Torres-Rincon, S. & Mendez-Nonell, J. (2014). Novel Bioactive Materials: Silica Aerogel and Hybrid Silica Aerogel/Pseudowollastonite. [Boletin De La Sociedad Espanola De Ceramica Y Vidrio](#), 53(5), 235-239.
- 27 Diaz-Reyes, J., Rodriguez-Fragoso, P., Mendoza-Alvarez, J. G., Arias-Ceron, J. S., Herrera-Perez, J. L. & Galvan-Arellano, M. (2014). Characterization of Zn-Doped Ga_{0.86}In_{0.14}As_{0.13}Sb_{0.87}. [Brazilian Journal of Physics](#), 44(6), 711-718.
- 28 Contreras-Rascon, J. I., Diaz-Reyes, J., Castillo-Ojeda, R. S., Balderas-Lopez, J. A., Arias-Ceron, J. S. & Flores-Mena, J. E. (2014). Growth and Characterization of CdSe₁-Ysy Nanofilms Obtained by Chemical Bath Deposition. [Brazilian Journal of Physics](#), 44(6), 726-732.
- 29 Aranda, D. A., Oxenford, H. A., Bissada, C., Diaz, M. E., Brule, T., Delgado, G. A., Morales, I. M. & Frenkiel, L. (2014). Reproductive Patterns of Queen Conch, *Strombus Gigas* (Mollusca, Gastropoda), Across the Wider Caribbean Region. [Bulletin of Marine Science](#), 90(3), 813-831.
- 30 Fierro-Coronado, R. A., Quiroz-Figueroa, F. R., Garcia-Perez, L. M., Ramirez-Chavez, E., Molina-Torres, J. & Maldonado-Mendoza, I. E. (2014). Iaa-Producing Rhizobacteria From Chickpea (*Cicer Arietinum* L.) Induce Changes in Root Architecture and Increase Root Biomass. [Canadian Journal of Microbiology](#), 60(10), 639-648.
- *31 Pan, S., Moreno, D., Merino, G. & Chattaraj, P. K. (2014). Stability of Noble-Gas-Bound SiH₃⁺ Clusters. [Chemphyschem](#), 15(16), 3554-3564.
- 32 Mimendia, A., Gutierrez, J. M., Alcaniz, J. M. & Del Valle, M. (2014). Discrimination of Soils and Assessment of Soil Fertility Using Information From an Ion Selective Electrodes Array and Artificial Neural Networks. [Clean-Soil Air Water](#), 42(12), 1808-1815.

- 33 Kumar, K. S., Kumar, G., Prokhorov, E., Luna-Barcenas, G., Buitron, G., Khanna, V. G. & Sanchez, I. C. (2014). Exploitation of Anaerobic Enriched Mixed Bacteria (Aemb) for the Silver and Gold Nanoparticles Synthesis. [Colloids and Surfaces A-Physicochemical and Engineering Aspects](#), 462, 264-270.
- 34 Korzhik, V., Morales-Luna, G., Kochkarev, A. & Flaxman, D. (2014). Concatenated Digital Watermarking System Robust to Different Removal Attacks. [Computer Science and Information Systems](#), 11(4), 1581-1594.
- 35 Magallanes-Rivera, R. X. & Escalante-Garcia, J. I. (2014). Hemihydrate or Waste Anhydrite in Composite Binders With Blast-Furnace Slag: Hydration Products, Microstructures and Dimensional Stability. [Construction and Building Materials](#), 71, 317-326.
- 36 Gone, A. M. L., Giron, J. D. T., Montejo, F. E. J., Hidalgo-Lara, M. E. & Lopez Vely. (2014). Behavior of Transition State Regulator Abrb in Batch Cultures of Bacillus Thuringiensis. [Current Microbiology](#), 69(5), 725-732.
- 37 Arce-Arce, E. E., Gallegos-Infante, J. A., Rocha-Guzman, N. E., Gonzalez-Laredo, R. F., Moreno-Jimenez, R., Figueroa-Cardenas, J. D. D. & Montelongo-Montelongo, A. N. (2014). Effect of Infrared Heating on the Physicochemical Properties of Common Bean (Phaseolus Vulgaris L.) Flour. [Cytajournal of Food](#), 12(3), 242-248.
- 38 Gillmor, C. S., Silva-Ortega, C. O., Willmann, M. R., Buendia-Monreal, M. & Poethig, R. S. (2014). The Arabidopsis Mediator Cdk8 Module Genes Cct (Med12) and Gct (Med13) Are Global Regulators of Developmental Phase Transitions. [Development](#), 141(23), 4580-4589.
- 39 Segura, B., Melo, A. I., Fleming, A. S., Mendoza-Garrido, M. E., Del Pliego, M. G., Aguirre-Benitez, E. L., Hernandez-Falcon, J. & Jimenez-Estrada, I. (2014). Early Social Isolation Provokes Electrophysiological and Structural Changes in Cutaneous Sensory Nerves of Adult Male Rats. [Developmental Neurobiology](#), 74(12), 1184-1193.
- 40 Camps, O., Picos, R., Roca, M., Isern, E., Font, J., Cerdeira, A., Estrada, M. & Garcia-Moreno, E. (2014). Analytical Appraisal of Importance of Different Fitting Parameters in Device Compact Models. [Electronics Letters](#), 50(11), 832-U84.
- 41 Huang, F. Y., Del-Rio-Navarro, B. E., Perez-Ontiveros, J. A., Ruiz-Bedolla, E., Saucedo-Ramirez, O. J., Villafana, S., Bravo, G., Mailloux-Salinas, P. & Hong, E. (2014). Effect of Six-Month Lifestyle Intervention on Adiponectin, Resistin and Soluble Tumor Necrosis Factor-Alpha Receptors in Obese Adolescents. [Endocrine Journal](#), 61(9), 921-931.
- 42 Marron-Montiel, E., Ruiz-Ordaz, N., Galindez-Mayer, J., Gonzalez-Cuna, S., Tepole, F. S. & Poggi-Valardo, H. (2014). Biodegradation of the Herbicide Linuron in a Plug-Flow Packed-Bed Biofilm Channel Equipped With Top Aeration Modules. [Environmental Engineering and Management Journal](#), 13(8), 1939-1944.
- 43 Medina-Gomez, I., Kjerfve, B., Marino, I. & Herrera-Silveira, J. (2014). Sources of Salinity Variation in a Coastal Lagoon in a Karst Landscape. [Estuaries and Coasts](#), 37(6), 1329-1342.

- 44 Stalker, J. C., Price, R. M., Rivera-Monroy, V. H., Herrera-Silveira, J., Morales, S., Benitez, J. A. & Alonzo-Parra, D. (2014). Hydrologic Dynamics of a Subtropical Estuary Using Geochemical Tracers, Celestun, Yucatan, Mexico. [Estuaries and Coasts](#), 37(6), 1376-1387.
- 45 Greco, A., De Marco, R., Tani, S., Giacomini, D., Galletti, P., Tolomelli, A., Juaristi, E. & Gentilucci, L. (2014). Convenient Synthesis of the Antibiotic Linezolid Via an Oxazolidine-2,4-Dione Intermediate Derived From the Chiral Building Block Isoleucine. [European Journal of Organic Chemistry](#), (34), 7614-7620.
- 46 Jalife, S., Martinez-Guajardo, G., Zavala-Oseguera, C., Fernandez-Herrera, M. A., Schleyer, P. V. & Merino, G. (2014). Mechanistic Elucidation of the 2-Norbornyl to 1,3-Dimethylcyclopentenyl Cation Isomerization. [European Journal of Organic Chemistry](#), (35), 7955-7959.
- 47 Abelev, B., Adam, J., Adamova, D. et al. (2014). Event-by-Event Mean P(T) Fluctuations in Pp and Pb-Pb Collisions at the Lhc. [European Physical Journal C](#), 74(10), 3077.
- 48 Abelev, B., Adam, J., Adamova, D. et al. (2014). Neutral Pion Production at Midrapidity in Pp and Pb-Pb Collisions at Root(Nn)-N-S=2.76 Tev. [European Physical Journal C](#), 74(10), 3108.
- 49 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Observation of the Diphoton Decay of the Higgs Boson and Measurement of Its Properties. [European Physical Journal C](#), 74(10), 3076.
- 50 Alvarez-Gonzalez, I., Garcia-Melo, F., Vasquez-Garzon, V. R., Villa-Trevino, S., Madrigal-Santillan, E. O., Morales-Gonzalez, J. A., Mendoza-Perez, J. A. & Madrigal-Bujaidar, E. (2014). Evaluation of Blueberry Juice in Mouse Azoxymethane-Induced Aberrant Crypts and Oxidative Damage. [Evidence-Based Complementary and Alternative Medicine](#), 2014, 379890.
- 51 Desgarenes, D., Garrido, E., Torres-Gomez, M. J., Pena-Cabriaes, J. J. & Partida-Martinez, L. P. (2014). Diazotrophic Potential Among Bacterial Communities Associated With Wild and Cultivated Agave Species. [Fems Microbiology Ecology](#), 90(3), 844-857.
- 52 Santiago-Garcia, P. A. & Lopez, M. G. (2014). Agavins From Agave Angustifolia and Agave Potatorum Affect Food Intake, Body Weight Gain and Satiety-Related Hormones (Glp-1 and Ghrelin) in Mice. [Food & Function](#), 5(12), 3311-3319.
- 53 Duran-Flores, D. & Heil, M. (2014). Damaged-Self Recognition in Common Bean (Phaseolus Vulgaris) Shows Taxonomic Specificity and Triggers Signaling Via Reactive Oxygen Species (Ros). [Frontiers in Plant Science](#), 5, 585.
- 54 Peralta-Garcia, E. C. & Rosas-Alquicira, E. F. (2014). Range Extension and Morphological Characterization of Rhodolith-Forming Species (Corallinales, Rhodophyta) From Shallow Water in the Mexican South Pacific. [Helgoland Marine Research](#), 68(4), 503-510.
- 55 Puente-Siller, D. M., Fuentes-Aceituno, J. C. & Nava-Alonso, F. (2014). Study of Thiosulfate Leaching of Silver Sulfide in the Presence of Edta and Sodium Citrate. Effect of Naoh and Nh4oh. [Hydrometallurgy](#), 149, 1-11.

56 Adj, G. & Rodriguez-Henriquez, F. (2014). Square Root Computation Over Even Extension Fields. [IEEE Transactions on Computers](#), 63(11), 2829-2841.

57 Rubio-Astorga, G., Sanchez-Torres, J. D., Canedo, J. & Loukianov, A. G. (2014). High-Order Sliding Mode Block Control of Single-Phase Induction Motor. [IEEE Transactions on Control Systems Technology](#), 22(5), 1828-1836.

58 Sira-Ramirez, H., Linares-Flores, J., Garcia-Rodriguez, C. & Contreras-Ordaz, M. A. (2014). On the Control of the Permanent Magnet Synchronous Motor: an Active Disturbance Rejection Control Approach. [IEEE Transactions on Control Systems Technology](#), 22(5), 2056-2063.

59 Ramirez, A. & Iravani, R. (2014). Enhanced Fitting to Obtain an Accurate Dc Response of Transmission Lines in the Analysis of Electromagnetic Transients. [IEEE Transactions on Power Delivery](#), 29(6), 2614-2621.

60 Nunez, J. C. R., Ramirez, M. F. V. & Castro, M. C. D. (2014). Biological and Molecular Characterization of Exotic Baculovirus Strains With Activity to Mexican Population of Fall Armyworm Spodoptera Frugiperda (Lepidoptera: Noctuidae). [Interciencia](#), 39(5), 320-326.

61 Valdez, S., Ascencio, J., Casolco, S. R. & Pech-Canul, M. I. (2014). The Oxidation of Matrix Composite Almg Reinforcement With Sic. [International Journal of Electrochemical Science](#), 9(11), 6225-6234.

62 Acosta, G., Veleza, L. & Lopez, J. L. (2014). Power Spectral Density Analysis of the Corrosion Potential Fluctuation of Aluminium in Early Stages of Exposure to Caribbean Sea Water. [International Journal of Electrochemical Science](#), 9(11), 6464-6474.

63 Cabrera-Madrid, J. A., Balcan-Zapata, M., Torres-Acosta, A. A. & Castro-Borges, P. (2014). Effect of Tropical Marine Microclimates on Depassivation and Corrosion-Induced Cracking of Reinforced Concrete. [International Journal of Electrochemical Science](#), 9(12), 8211-8225.

64 Martin-Del Campo, J. S., Escalante, R., Robledo, D. & Patino, R. (2014). Hydrogen production by Chlamydomonas reinhardtii under light-driven and sulfur-deprived conditions: Using biomass grown in outdoor photobioreactors at the Yucatan Peninsula. [International Journal of Hydrogen Energy](#), 39(36), 20950-20957.

*65 Huelel-Soto, M. E., Carro-Juarez, M. & Rodriguez-Manzo, G. (2014). Effects of Bupropion on the Ejaculatory Response of Male Rats. [International Journal of Impotence Research](#), 26(6), 205-212.

*66 Garcia-Cardona, M. C., Huang, F., Garcia-Vivas, J. M., Lopez-Camarillo, C., Navarro, B. E. D., Olivos, E. N., Hong-Chong, E., Bolanos-Jimenez, F. & Marchat, L. A. (2014). Dna Methylation of Leptin and Adiponectin Promoters in Children Is Reduced by the Combined Presence of Obesity and Insulin Resistance. [International Journal of Obesity](#), 38(11), 1457-1465.

67 Molina, R. R., Aguilar, C. H., Pacheco, A. D., Cruz-Orea, A. & Bonilla, J. L. L. (2014). Characterization of Maize Grains With Different Pigmentation Investigated by Photoacoustic Spectroscopy. [International Journal of Thermophysics](#), 35(9-10), 1933-1939.

- 68 Cervantes-Espinosa, L. M., Castillo-Alvarado, F. D., Lara-Hernandez, G., Cruz-Orea, A., Hernandez-Aguilar, C. & Dominguez-Pacheco, A. (2014). Thermal Effusivity of Vegetable Oils Obtained by a Photothermal Technique. [International Journal of Thermophysics](#), 35(9-10), 1940-1945.
- 69 Mora-Hernandez, J. M., Ezeta-Mejia, A., German, C. S., Citalan-Cigarroa, S. & Arce-Estrada, E. M. (2014). Electrochemical Activity Towards Orr of Mechanically Alloyed Pdco Supported on Vulcan Carbon and Carbon Nanospheres. [Journal of Applied Electrochemistry](#), 44(12), 1307-1315.
- 70 Rebours, C., Marinho-Soriano, E., Zertuche-Gonzalez, J. A. et al. (2014). Seaweeds: an Opportunity for Wealth and Sustainable Livelihood for Coastal Communities. [Journal of Applied Phycology](#), 26(5), 1939-1951.
- 71 Zubia, M., Freile-Pelegrin, Y. & Robledo, D. (2014). Photosynthesis, Pigment Composition and Antioxidant Defences in the Red Alga *Gracilariopsis tenuifrons* (Gracilariales, Rhodophyta) Under Environmental Stress. [Journal of Applied Phycology](#), 26(5), 2001-2010.
- 72 Gomis, O., Santamaria-Perez, D., Ruiz-Fuertes, J. et al. (2014). High-Pressure Structural and Elastic Properties of Ti_2O_3 . [Journal of Applied Physics](#), 116(13), 133521.
- 73 Arias-Montiel, M., Silva-Navarro, G. & Antonio-Garcia, A. (2014). Active Vibration Control in a Rotor System by an Active Suspension With Linear Actuators. [Journal of Applied Research and Technology](#), 12(5), 898-907.
- 74 Lopez, R., Aguilar, H., Salazar, S. & Lozano, R. (2014). Adaptive Control for Passive Kinesiotherapy Elltio. [Journal of Bionic Engineering](#), 11(4), 581-588.
http://pivcsb5.csb.cinvestav.mx/cinvestav/2014/206696_1.pdf
- 75 Silva, R., Martinez, M. L., Hesp, P. A. et al. (2014). Present and Future Challenges of Coastal Erosion in Latin America. [Journal of Coastal Research](#), 71, 1-16.
- 76 Grande-Aztatzi, R., Martinez-Alanis, P. R., Cabellos, J. L., Osorio, E., Martinez, A. & Merino, G. (2014). Structural Evolution of Small Gold Clusters Doped by One and Two Boron Atoms. [Journal of Computational Chemistry](#), 35(32), 2288-2296.
- 77 Castellanos, E., Escamilla-Rivera, C., Macias, A. & Nunez, D. (2014). Scalar Field as a Bose-Einstein Condensate? [Journal of Cosmology and Astroparticle Physics](#), (11), 034.
- 78 Santos, J. F. H. & Moreno, P. (2014). A Staggered Transmission Scheme for Mitigating Electromagnetic Interference Levels Radiated by High-Speed Digital Systems. [Journal of Electromagnetic Waves and Applications](#), 28(16), 2014-2024.
- 79 Lu, D., Nakagawa, R., Lazzaro, S. et al. (2014). The Mir-155-Pu.1 Axis Acts on Pax5 to Enable Efficient Terminal B Cell Differentiation. [Journal of Experimental Medicine](#), 211(11), 2183-2198.

- 80 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for Neutral Higgs Bosons Decaying to a Pair of Tau Leptons in Pb Collisions. [Journal of High Energy Physics](#), (10), 160.
- 81 Dominguez-Soto, A., De Las Casas-Engel, M., Bragado, R. et al. (2014). Intravenous Immunoglobulin Promotes Antitumor Responses by Modulating Macrophage Polarization. [Journal of Immunology](#), 193(10), 5181-5189.
- 82 Abelev, B., Adam, J., Adamova, D. et al. (2014). Measurement of Visible Cross Sections in Proton-Lead Collisions at $\sqrt{s(NN)}=5.02$ TeV in Van Der Meer Scans With the Alice Detector. [Journal of Instrumentation](#), 9(11), P11003.
- 83 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Description and Performance of Track and Primary-Vertex Reconstruction With the Cms Tracker. [Journal of Instrumentation](#), 9, P10009.
- 84 Sanchez-Leija, R. J., Pojman, J. A., Luna-Barcenas, G. & Mota-Morales, J. D. (2014). Controlled Release of Lidocaine Hydrochloride From Polymerized Drug-Based Deep-Eutectic Solvents. [Journal of Materials Chemistry B](#), 2(43), 7495-7501.
- 85 Rodriguez-Aranda, M. C., Calderon-Pinar, F., Espinoza-Beltran, F. J., Flores-Ruiz, F. J., Leon-Sarabia, E., Mayen-Mondragon, R. & Yanez-Limon, J. M. (2014). Ferroelectric Hysteresis and Improved Fatigue of Pzt (53/47) Films Fabricated by a Simplified Sol-Gel Acetic-Acid Route. [Journal of Materials Science-Materials in Electronics](#), 25(11), 4806-4813.
- *86 Garcia-Vieyra, M. I., Del Real, A. & Lopez, M. G. (2014). Agave Fructans: Their Effect on Mineral Absorption and Bone Mineral Content. [Journal of Medicinal Food](#), 17(11), 1247-1255.
- *87 Severiano, F., Garcia, G., Castaneda, L., Gracia-Jimenez, J. M., Maldonado, A., Avendano-Alejo, M., Coyopol, A. & Diaz, T. (2014). Electroluminescent Devices Based on Junctions of Silicon-Rich Oxide With Indium Doped Zinc Oxide Thin Solid Films. [Journal of Nanoelectronics and Optoelectronics](#), 9(1), 13-20.
- 88 Mejia-Garcia, C., Diaz-Valdes, E., Ayala-Torres, M. A., Romero-Ibarra, J. & Lopez-Lopez, M. (2014). Influence of the Hydrothermal Method Growth Parameters on the Zinc Oxide Nanowires Deposited on Several Substrates. [Journal of Nanomaterials](#), 2014, 609262.
- 89 Marquez-Herrera, A., Ovando-Medina, V. M., Castillo-Reyes, B. E., Melendez-Lira, M., Zapata-Torres, M. & Saldana, N. (2014). A Novel Synthesis of Srco₃-Sr₂ti₃ Nanocomposites With High Photocatalytic Activity. [Journal of Nanoparticle Research](#), 16(12), 2804.
- 90 Hussain, S. Q., Oh, W. K., Kim, S. et al. (2014). Study of Low Resistivity and High Work Function Ito Films Prepared by Oxygen Flow Rates and N₂o Plasma Treatment for Amorphous/Crystalline Silicon Heterojunction Solar Cells. [Journal of Nanoscience and Nanotechnology](#), 14(12), 9237-9241.
- 91 Azpiroz, J. M., Islas, R., Moreno, D., Fernandez-Herrera, M. A., Pan, S., Chattaraj, P. K., Martinez-Guajardo, G., Ugalde, J. M. & Merino, G. (2014). Carbo-Cages: a Computational Study. [Journal of Organic Chemistry](#), 79(12), 5463-5470.

- 92 Reyes-Lopez, O., Sanchez-Ruiz, S. A., Flores-Parra, A., Leyva, M. A., Alvarez-Mendez, R. J., Vela, A. & Rosales-Hoz, M. J. (2014). Reactivity of $[H_2O_3(Co)(10)]$ With Six-Membered Heterocycles Containing Sulfur and/or Nitrogen Atoms. Cleavage of C-S, C-N and C-H Bonds to Yield Linked Clusters With S-C, and S-C-N Bridging Fragments. [Journal of Organometallic Chemistry](#), 772, 248-257.
- 93 Canche-Tello, J., Vargas, M. C., Hernandez-Cobos, J., Ortega-Blake, I., Leclercq, A., Solari, P. L., Den Auwer, C. & De Leon, J. M. (2014). Interpretation of X-Ray Absorption Spectra of as(III) in Solution Using Monte Carlo Simulations. [Journal of Physical Chemistry a](#), 118(46), 10967-10973.
- 94 Cazares-Raga, F. E., Chavez-Munguia, B., Gonzalez-Calixto, C., Ochoa-Franco, A. P., Gawinowicz, M. A., Rodriguez, M. H. & Hernandez-Hernandez, F. C. (2014). Morphological and Proteomic Characterization of Midgut of the Malaria Vector Anopheles Albimanus at Early Time After a Blood Feeding. [Journal of Proteomics](#), 111, 100-112.
- 95 Garrido-Hernandez, A., Garcia-Murillo, A., Carrillo-Romo, F. D., Cruz-Santiago, L. A., Chadeyron, G., Morales-Ramirez, A. D. & Velumani, S. (2014). Structural Studies of Batio3:Er3+ and Batio3:Yb3+ Powders Synthesized by Hydrothermal Method. [Journal of Rare Earths](#), 32(11), 1016-1021.
- 96 Miranda, J. R., Murillo, A. G., Romo, F. D. C., Uc, J. O., Sandoval, C. A. F., Ramirez, A. D. M., Velumani, S., Cruz, E. D. & Febles, V. G. (2014). Synthesis and Optical Properties of Batio3:Eu3+@Sio2 Glass Ceramic Nano Particles. [Journal of Sol-Gel Science and Technology](#), 72(3), 435-442.
- 97 Gonzalez-Panzo, I. J., Martin-Varguez, P. E. & Oliva, A. I. (2014). Role of Thiourea in the Kinetic of Growth of the Chemical Bath Deposited Zns Films. [Journal of the Electrochemical Society](#), 161(14), D761-D767.
- 98 Rodriguez-Ramirez, P. & Rodriguez-Gonzalez, J. (2014). Sliding Mode Mean Square Filter Design for Linear Stochastic Time Delay Systems. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 351(12), 5340-5357.
- 99 Ruiz-Leon, J. & Castaneda, E. (2014). Realizability of Precompensators in Linear Multivariable Systems: a Structural Approach. [Kybernetika](#), 50(4), 512-529.
- 100 Cordero-Perez, J. J., De Ita-Gutierrez, S. L., Trejo-Carbajal, N., Melendez-Rodriguez, M., Sanchez-Zavala, M., Perez-Hernandez, N., Morales-Rios, M. S., Joseph-Nathan, P. & Suarez-Castillo, O. R. (2014). Complete H-1 Nmr Assignment of 3-Formylindole Derivatives. [Magnetic Resonance in Chemistry](#), 52(12), 789-794.
- 101 Velazco, G., Almanza, J. M., Cortes, D. A., Escobedo, J. C. & Escalante-Garcia, J. I. (2014). Effect of Citric Acid and the Hemihydrate Amount on the Properties of a Calcium Sulphoaluminate Cement. [Materiales De Construccion](#), 64(316), e036.
- 102 Pech-May, N. W., Oleaga, A., Mendioroz, A., Omella, A. J., Celorio, R. & Salazar, A. (2014). Vertical Cracks Characterization Using Lock-in Thermography: I Infinite Cracks. [Measurement Science & Technology](#), 25(11), 115601.

- 103 Celorrio, R., Omella, A. J., Pech-May, N. W., Oleaga, A., Mendioroz, A. & Salazar, A. (2014). Vertical Cracks Characterization Using Lock-in Thermography: li Finite Cracks. [Measurement Science & Technology](#), 25(11), 115602.
- 104 Shibayama, M., Serrano-Luna, J., Sohda, T. et al. (2014). Restoration of Albumin Production by Nucleoside Analogue Therapy in Patients With Chronic Hepatitis B. [Medical Molecular Morphology](#), 47(4), 207-212.
- 105 Gonzalez-Mejia, M. E., Torres-Rasgado, E., Porchia, L. M. et al. (2014). Metallothionein-1 and Nitric Oxide Expression Are Inversely Correlated in a Murine Model of Chagas Disease. [Memorias Do Instituto Oswaldo Cruz](#), 109(2), 174-U137.
- 106 Marquez, M., Blancas-Mejia, L. M., Campos, A., Rojas, L., Castaneda-Hernandez, G. & Quintanar, L. (2014). A Bifunctional Non-Natural Tetrapeptide Modulates Amyloid-Beta Peptide Aggregation in the Presence of Cu(II). [Metallomics](#), 6(12), 2189-2192.
- 107 Franco-Frias, E., Ruiz-Herrera, J. & Arechiga-Carvajal, E. T. (2014). Transcriptomic Analysis of the Role of Rim101/Pacc in the Adaptation of Ustilago Maydis to an Alkaline Environment. [Microbiology-Sgm](#), 160, 1985-1998.
- 108 Ruiz-Zepeda, F., Casallas-Moreno, Y. L., Cantu-Valle, J., Alducin, D., Santiago, U., Jose-Yacaman, M., Lopez-Lopez, M. & Ponce, A. (2014). Precession Electron Diffraction-Assisted Crystal Phase Mapping of Metastable C-Gan Films Grown on (001) Gaas. [Microscopy Research and Technique](#), 77(12), 980-985.
- 109 Guerrero-Rodriguez, J., Manuel-Cabrera, C. A., Palomino-Hermosillo, Y. A., Delgado-Guzman, P. G., Escoto-Delgadillo, M., Silva-Rosales, L., Herrera-Rodriguez, S. E., Sanchez-Hernandez, C. & Gutierrez-Ortega, A. (2014). Virus-Like Particles From Escherichia Coli-Derived Untagged Papaya Ringspot Virus Capsid Protein Purified by Immobilized Metal Affinity Chromatography Enhance the Antibody Response Against a Soluble Antigen. [Molecular Biotechnology](#), 56(12), 1110-1120.
- 110 Molina, G. A., Hernandez-Martinez, A. R., Cortez-Valadez, M., Garcia-Hernandez, F. & Estevez, M. (2014). Effects of Tetraethyl Orthosilicate (Teos) on the Light and Temperature Stability of a Pigment From Beta Vulgaris and Its Potential Food Industry Applications. [Molecules](#), 19(11), 17985-18002.
- 111 Morales, R., Sira-Ramirez, H. & Somolinos, J. A. (2014). Robust Control of Underactuated Wheeled Mobile Manipulators Using Gpi Disturbance Observers. [Multibody System Dynamics](#), 32(4), 511-533.
- *112 Ortiz-Leon, A., Torres-Valencia, J. M., Manriquez-Torres, J. J., Alvarado-Rodriguez, J. G., Hernandez-Balderas, U., Cerda-Garcia-Rojas, C. M. & Joseph-Nathan, P. (2014). Diastereoselective Addition of Diazomethane to Zaluzanin a. [Natural Product Communications](#), 9(6), 753-756.
- 113 Buck, A. H., Coakley, G., Simbari, F. et al. (2014). Exosomes Secreted by Nematode Parasites Transfer Small Rnas to Mammalian Cells and Modulate Innate Immunity. [Nature Communications](#), 5, 5488.

- 114 Parra, S. M., Marino-Tapia, I., Enriquez, C. & Valle-Levinson, A. (2014). Variations in Turbulent Kinetic Energy at a Point Source Submarine Groundwater Discharge in a Reef Lagoon. [Ocean Dynamics](#), 64(11), 1601-1614.
- 115 Alvarez, E., Zayas, M. E., Rodriguez-Carvajal, D., Felix-Dominguez, F., Duarte-Zamorano, R. P., Falcony, C. & Caldino, U. (2014). Cold White Light Generation Through the Simultaneous Emission From Ce³⁺ and Tb³⁺ in Sodium Germanate Glass. [Optical Materials](#), 37, 451-456.
- 116 Mendoza-Galvan, A., Munoz-Pineda, E., Jarrendahl, K. & Arwin, H. (2014). Evidence for a Dispersion Relation of Optical Modes in the Cuticle of the Scarab Beetle *Cotinis Mutabilis*. [Optical Materials Express](#), 4(12), 2484-2496.
- 117 Padilla-Martinez, I. I., Cervantes-Vasquez, M., Leyva-Ramirez, M. A. & Paz-Sandoval, M. A. (2014). Iridaoxacyclohexadiene-Bridged Mixed-Valence Iridium Cyclooctadiene Complex: Oxidative Addition and Hydrogen-Transfer to Coordinated Cyclooctadiene. [Organometallics](#), 33(22), 6305-6318.
- 118 Gandini, M. A., Henriquez, D. R., Grimaldo, L., Sandoval, A., Altier, C., Zamponi, G. W., Felix, R. & Gonzalez-Billault, C. (2014). Ca(V)₂ Channel Cell Surface Expression Is Regulated by the Light Chain 1 (Lc1) of the Microtubule-Associated Protein B (Map1b) Via Ube2l3-Mediated Ubiquitination and Degradation. [Pflugers Archiv-European Journal of Physiology](#), 466(11), 2113-2126.
- 119 Morell, C., Gazquez, J. L., Vela, A., Guegan, F. & Chermette, H. (2014). Revisiting Electroaccepting and Electrodonating Powers: Proposals for Local Electrophilicity and Local Nucleophilicity Descriptors. [Physical Chemistry Chemical Physics](#), 16(48), 26832-26842.
- 120 Martinez-Niconoff, G., Silva-Ortigoza, G. & Suarez-Xique, R. (2014). Morphology of Wave Fronts and Caustics Associated With a Circular Wave Refracted by an Arbitrary Curve: the Two-Dimensional Axicon. [Physical Review a](#), 90(5), 053803.
- 121 Abelev, B., Adam, J., Adamova, D. et al. (2014). Multiparticle Azimuthal Correlations in P-Pb and Pb-Pb Collisions at the Cern Large Hadron Collider. [Physical Review C](#), 90(5), 054901.
- 122 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Measurement of the Ratio of Inclusive Jet Cross Sections Using the Anti-K(T) Algorithm With Radius Parameters R=0.5 And 0.7 In Pp Collisions at Root S=7 Tev. [Physical Review D](#), 90(7), 072006.
- 123 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of the Forward-Backward Asymmetry in Top Quark-Antiquark Production in P(P)Over-Bar Collisions Using the Lepton Plus Jets Channel. [Physical Review D](#), 90(7), 072011.
- 124 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of Differential Tt Production Cross Sections in Pp Collisions. [Physical Review D](#), 90(9), 092006.
- 125 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Searches for Electroweak Neutralino and Chargino Production in Channels With Higgs, Z, and W Bosons in Pp Collisions at 8 Tev. [Physical Review D](#), 90(9), 092007.

- 126 Diaz-Cruz, J. L., Honorato, C. G., Perez, M. A. & Orduz-Ducuara, J. A. (2014). One-Loop Decays $a(0) \rightarrow Z\gamma, \gamma\gamma$ Within the 2hdm and Its Search at the Lhc. [Physical Review D](#), 90(9), 095019.
- 127 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of the Direct C_p -Violating Parameter $a(C_p)$ in the Decay $D^+ \rightarrow K^-\pi^+\pi^+$. [Physical Review D](#), 90(11), 111102.
- 128 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Observation and Studies of Double J/ψ Production at the Tevatron. [Physical Review D](#), 90(11), 111101.
- 129 Abeysekara, A. U., Alfaro, R., Alvarez, C. et al. (2014). Sensitivity of Hawc to High-Mass Dark Matter Annihilations. [Physical Review D](#), 90(12), 122002.
- 130 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Search for Supersymmetry With Razor Variables in Pp Collisions at $\sqrt{s}=7$ Tev. [Physical Review D](#), 90(11), 112001.
- 131 Abelev, B., Adam, J., Adamova, D. et al. (2014). Measurement of Prompt D -Meson Production in P - Pb Collisions at $\sqrt{s(Nn)}=5.02$ Tev. [Physical Review Letters](#), 113(23), 232301.
- 132 Chatrchyan, S., Khachatryan, V., Sirunyan, A. M. et al. (2014). Evidence of B -Jet Quenching in $PbPb$ Collisions at $\sqrt{s-Nn}=2.76$ Tev. [Physical Review Letters](#), 113(13), 132301.
- 133 Abelev, B., Adam, J., Adamova, D. et al. (2014). Beauty Production in Pp Collisions at $\sqrt{s}=2.76$ Tev Measured Via Semi-Electronic Decays. [Physics Letters B](#), 738, 97-108.
- 134 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for Excited Quarks in the γ Plus Jet Final State in Proton-Proton Collisions at $\sqrt{s}=8$ Tev. [Physics Letters B](#), 738, 274-293.
- 135 Abelev, B., Adam, J., Adamova, D. et al. (2014). Suppression of $Upsilon(1s)$ at Forward Rapidity in Pb - Pb Collisions at $\sqrt{s(Nn)}=2.76$ Tev. [Physics Letters B](#), 738, 361-372.
- 136 Abelev, B., Adam, J., Adamova, D. et al. (2014). Freeze-Out Radii Extracted From Three-Pion Cumulants in Pp , P - Pb and Pb - Pb Collisions at the Lhc. [Physics Letters B](#), 739, 139-151.
- 137 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Measurement of the $T(T)$ Over-Bar Production Cross Section in Pp Collisions at $\sqrt{s}=8$ Tev in Dilepton Final States Containing One Tau Lepton. [Physics Letters B](#), 739, 23-43.
- 138 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for Pair Production of Third-Generation Scalar Leptoquarks and Top Squarks in Proton-Proton Collisions at $\sqrt{s}=8$ Tev. [Physics Letters B](#), 739, 229-249.
- 139 De Paz-Campos, M. A., Ortiz, M. I., Pina, A. E. C., Zazueta-Beltran, L. & Castaneda-Hernandez, G. (2014). Synergistic Effect of the Interaction Between Curcumin and Diclofenac on the Formalin Test in Rats. [Phytomedicine](#), 21(12), 1543-1548.

140 Cortes, R. N. F., Guzman, I. V. & Martinez-Bustos, F. (2014). Effects of Some Extrusion Variables on Physicochemical Characteristics of Extruded Corn Starch-Passion Fruit Pulp (*Passiflora Edulis*) Snacks. [Plant Foods for Human Nutrition](#), 69(4), 365-371.

141 Ibarra-Cerdena, C. N., Zaldivar-Riveron, A., Peterson, A. T., Sanchez-Cordero, V. & Ramsey, J. M. (2014). Phylogeny and Niche Conservatism in North and Central American Triatomine Bugs (Hemiptera: Reduviidae: Triatominae), Vectors of Chagas' Disease. [Plos Neglected Tropical Diseases](#), 8(10), e3266.

142 Canto-Bustos, M., Loeza-Alcocer, E., Gonzalez-Ramirez, R., Gandini, M. A., Delgado-Lezama, R. & Felix, R. (2014). Functional Expression of T-Type Ca²⁺ Channels in Spinal Motoneurons of the Adult Turtle. [Plos One](#), 9(9), e108187.

143 Guardado-Estrada, M., Juarez-Torres, E., Roman-Bassaure, E., Medina-Martinez, I., Alfaro, A., Benuto, R. E., Dean, M., Villegas-Sepulveda, N. & Berumen, J. (2014). The Distribution of High-Risk Human Papillomaviruses Is Different in Young and Old Patients With Cervical Cancer. [Plos One](#), 9(10), e109406.

144 Martinez-Silva, L., Manjarrez, E., Gutierrez-Ospina, G. & Quevedo, J. N. (2014). Electrophysiological Representation of Scratching Cpg Activity in the Cerebellum. [Plos One](#), 9(10), e109936.

145 Bautista-Espana, D., Anastacio-Marcelino, E., Horta-Valerdi, G. et al. (2014). The Telomerase Reverse Transcriptase Subunit From the Dimorphic Fungus *Ustilago Maydis*. [Plos One](#), 9(10), e109981.

146 Quinones-Valles, C., Sanchez-Osorio, I. & Martinez-Antonio, A. (2014). Dynamical Modeling of the Cell Cycle and Cell Fate Emergence in *Caulobacter Crescentus*. [Plos One](#), 9(11), e111116.

147 Hernandez-Hernandez, A. M. & Huerta-Quintanilla, R. (2014). Modeling Body Mass Variation: Incorporating Social Influence Into Calculations of Caloric Intake and Energy Expenditure. [Plos One](#), 9(11), e111709.

148 Herrera-May, A. L., Tapia, J. A., Dominguez-Nicolas, S. M., Juarez-Aguirre, R., Gutierrez, E. A., Flores, A., Figueras, E. & Manjarrez, E. (2014). Improved Detection of Magnetic Signals by a Mems Sensor Using Stochastic Resonance. [Plos One](#), 9(10), e109534.

149 Vasquez-Ortega, M., Ortega, M., Morales, J., Olayo, M. G., Cruz, G. J. & Olayo, R. (2014). Core-Shell Polypyrrole Nanoparticles Obtained by Atmospheric Pressure Plasma Polymerization. [Polymer International](#), 63(12), 2023-2029.

150 Vargas-Martinez, F., Uvnas-Moberg, K., Petersson, M., Olausson, H. A. & Jimenez-Estrada, I. (2014). Neuropeptides as neuroprotective agents: Oxytocin a forefront developmental player in the mammalian brain. [Progress in Neurobiology](#), 123, 37-78.

151 Pasten, K., Bastian, Y., Roa-Espitia, A. L., Maldonado-Garcia, D., Mendoza-Hernandez, G., Ortiz-Garcia, C. I., Mujica, A. & Hernandez-Gonzalez, E. O. (2014). Adam15 Participates in Fertilization Through a Physical Interaction With Acrogranin. [Reproduction](#), 148(6), 623-634.

152 Pech-May, N. W., Mendiros, A. & Salazar, A. (2014). Generalizing the Flash Technique in the Front-Face Configuration to Measure the Thermal Diffusivity of Semitransparent Solids. [Review of Scientific Instruments](#), 85(10), 104902.

153 Cantillo-Negrete, J., Gutierrez-Martinez, J., Flores-Rodriguez, T. B., Carino-Escobar, R. I. & Elias-Vinas, D. (2014). Characterization of Electrical Brain Activity Related to Hand Motor Imagery in Healthy Subjects. [Revista De Investigacion Clinica](#), 66(S1), S111-S121.

154 Gutierrez-Martinez, J., Ortiz-Espinosa, A., Hernandez-Rodriguez, P. R. & Nunez-Gaona, M. A. (2014). System to Measure the Range of Motion of the Joints of the Human Hand. [Revista De Investigacion Clinica](#), 66(S1), S122-S130.

155 Soto, A. M. & Osorio, F. C. (2014). The Modelling - Use of Graphs, and the Taylor Series. A Socioepistemology of Calculus. [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 17(3), 319-345.

156 Ghaffari, N., Sanchez-Flores, A., Doan, R. et al. (2014). Novel Transcriptome Assembly and Improved Annotation of the Whiteleg Shrimp (*Litopenaeus Vannamei*), a Dominant Crustacean in Global Seafood Mariculture. [Scientific Reports](#), 4, 7081.

157 Miranda, A. L., Xu, B., Hellman, O., Romero, A. H. & Verstraete, M. J. (2014). Ab Initio Calculation of the Thermal Conductivity of Indium Antimonide. [Semiconductor Science and Technology](#), 29(12), 124002.

158 Suaste-Gomez, E., Hernandez-Rivera, D., Sanchez-Sanchez, A. S. & Villarreal-Calva, E. (2014). Electrically Insulated Sensing of Respiratory Rate and Heartbeat Using Optical Fibers. [Sensors](#), 14(11), 21523-21534.

159 Daniel, L. E., Tapia, F. M., Arturo, M. M. & Ricardo, O. F. (2014). Adapting to the 30-Degree Visual Perspective by Emulating the Angled Laparoscope a Simple and Low-Cost Solution for Basic Surgical Training. [Simulation in Healthcare-Journal of the Society for Simulation in Healthcare](#), 9(6), 384-391.

160 Kumar-Krishnan, S., Prokhorov, E., Ramirez, M., Hernandez-Landaverde, M. A., Zarate-Trivino, D. G., Kovalenko, Y., Sanchez, I. C., Mendez-Nonell, J. & Luna-Barcenas, G. (2014). Novel Gigahertz Frequency Dielectric Relaxations in Chitosan Films. [Soft Matter](#), 10(43), 8673-8684.

161 Garg, S., Castro-Roman, F., Porcar, L., Butler, P., Bautista, P. J., Krzyzanowski, N. & Perez-Salas, U. (2014). Cholesterol Solubility Limit in Lipid Membranes Probed by Small Angle Neutron Scattering and Md Simulations. [Soft Matter](#), 10(46), 9313-9317.

162 Gutierrez, M. C., Nunez-Santiago, M. D., Romero-Bastida, C. A. & Martinez-Bustos, F. (2014). Effects of Coconut Oil Concentration as a Plasticizer and Yucca Schidigera Extract as a Surfactant in the Preparation of Extruded Corn Starch Films. [Starch-Starke](#), 66(11-12), 1079-1088.

163 Didou-Aupetit, S. (2014). Researchers and Decision-Makers in Higher Education in Mexico: Underpinnings and Agendas. [Studies in Higher Education](#), 39(8), 1511-1521.

164 Herrera-Gomez, A., Bravo-Sanchez, M., Ceballos-Sanchez, O. & Vazquez-Lepe, M. O. (2014). Practical Methods for Background Subtraction in Photoemission Spectra. [Surface and Interface Analysis](#), 46(10-11), 897-905.

165 Munoz-Pineda, E., Jarrendahl, K., Arwin, H. & Mendoza-Galvan, A. (2014). Symmetries and relationships between elements of the Mueller matrix spectra of the cuticle of the beetle *Cotinis mutabilis*. [Thin Solid Films](#), 571, 660-665.

166 Mendoza-Galvan, A., Arreola-Jardon, G., Karlsson, L. H., Persson, P. O. A. & Jimenez-Sandoval, S. (2014). Optical properties of CuCdTeO thin films sputtered from CdTe-CuO composite targets. [Thin Solid Films](#), 571, 706-711.

167 Aguilar-Dorado, I. C., Hernandez, G., Quintanar-Escorza, M. A., Maldonado-Vega, M., Rosas-Flores, M. & Calderon-Salinas, J. V. (2014). Eryptosis in Lead-Exposed Workers. [Toxicology and Applied Pharmacology](#), 281(2), 195-202.

168 Marrero-Rodriguez, D., Taniguchi-Ponciano, K., Jimenez-Vega, F. et al. (2014). Kruppel-Like Factor 5 as Potential Molecular Marker in Cervical Cancer and the Klf Family Profile Expression. [Tumor Biology](#), 35(11), 11399-11407.

169 Jaganathan, S. K., Vellayappan, M. V., Narasimhan, G., Supriyanto, E., Dewi, D. E. O., Narayanan, A. L. T., Balaji, A., Subramanian, A. P. & Yusof, M. (2014). Chemopreventive Effect of Apple and Berry Fruits Against Colon Cancer. [World Journal of Gastroenterology](#), 20(45), 17029-17036.

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

170 Breton, N. & Bergliaffa, S. E. P. (2014). Thermodynamical Stability of the Bardeen Black Hole. [Aip Conference Proceedings](#), 1577, 112-118.

171 Elyukhin, V. A. (2014). Nanoscale Order in Znse:(Mg, O). [Aip Conference Proceedings](#), 1583, 136-139.

172 Castellanos, E., Macias, A. & Nunez, D. (2014). Bose-Einstein Condensates and Scalar Fields; Exploring the Similitudes. [Aip Conference Proceedings](#), 1577, 165-177.

173 Garcia-Diaz, A. A. (2014). Dilaton Field Minimally Coupled to 2+1 Gravity; Uniqueness of the Static Chan-Mann Black Hole and New Dilaton Stationary Metrics. A. [Aip Conference Proceedings](#), 1577, 220-235.

174 Oliva-Arias, A. I. (2014). La fisica en el sureste del pais: el Cinvestav-Merida. [Boletin de la Sociedad Mexicana de Fisica](#), 28(1), 11-14.

175 Muzio, O. A. & Altshuler, E. (2014). Superconductivity in Cuba: Reaching the Frontline. [Boston Studies in the Philosophy and History of Science](#), 304, 301-306.

- 176 Juarez-Maldonado, A., Benavides-Mendoza, A., De-Alba-Romenus, K. & Morales-Diaz, A. B. (2014). Estimation of the Water Requirements of Greenhouse Tomato Crop Using Multiple Regression Models. [Emirates Journal of Food and Agriculture](#), 26(10), 885-897.
- 177 Venegas, M., Bernal, R., Lopez, M. & Pulzara, A. (2014). Microstructure Afm Study and Raman Spectra of in-Gaas Bilayers Prepared by Rf Magnetron Sputtering on Si(100) Substrates. [Journal of Physics: Conference Series](#), 480, 012017.
- 178 Martinez, L. A. & Matos, T. (2014). Simulating Galaxy Formation With Scalar Field Dark Matter. [Journal of Physics: Conference Series](#), 485, 012022.
- 179 Hernandez-Pinto, R. J. & Perez-Lorenzana, A. (2014). B - L Neutralino Dark Matter. [Journal of Physics: Conference Series](#), 485, 012029.
- 180 Gupta, V., Sanchez-Colon, G. & Rajpoot, S. (2014). Sum Rules for Tetraquark Decay in Broken $Su(3)$ Symmetry. [Journal of Physics: Conference Series](#), 485, 012048.
- 181 Gupta, V. (2014). A Modification of the Relativistic Energy-Momentum Relation. [Journal of Physics: Conference Series](#), 485, 012050.
- 182 Perez, H., Kielanowski, P. & Juarez, S. R. (2014). Cabibbo-Kobayashi-Maskawa Matrix: Rephasing Invariants and Parameterizations. [Journal of Physics: Conference Series](#), 485, 012058.
- 183 Morales, C. D., Juarez, S. R. & Kielanowski, P. (2014). Renormalization group running of couplings and masses in the basic extension of the standard model. [Journal of Physics: Conference Series](#), 485, 012059.
- 184 Alcaraz-Estrada, S. L., Del Angel, R. & Padmanabhan, R. (2014). Construction of Self-Replicating Subgenomic Dengue Virus 4 (Denv4) Replicon. [Methods in Molecular Biology](#), 1138, 131-150.
- 185 Guzman-Perez, C. A., Ibarra-Sanchez, A., Ventura-Gallegos, J. L., Gonzalez-Espinosa, C., Garcia-Roman, J. & Zentella-Dehesa, A. (2014). An in Vivo Model to Study the Effects of Tumoral Soluble Factors on the Vascular Permeability in Mice. [Methods in Molecular Biology](#), 1165, 187-195.
- 186 Fernandez-Rojas, M. A., Vaca, S., Reyes-Lopez, M., De La Garza, M., Aguilar-Romero, F., Zenteno, E., Soriano-Vargas, E. & Negrete-Abascal, E. (2014). Outer Membrane Vesicles of *Pasteurella Multocida* Contain Virulence Factors. [Microbiologyopen](#), 3(5), 711-717.
- 187 Abundis-Fong, H. F. & Silva-Navarro, G. (2014). Suppression of Mechanical Vibrations in a Building-Like Structure Using a Passive/Active Autoparametric Absorber. [Proceedings of Spie](#), 9057, 905701.
- 188 Dominguez-Nunez, L. A. & Silva-Navarro, G. (2014). Characterization and Experimental Validation of a Squeeze Film Damper With Mr Fluid in a Rotor-Bearing System. [Proceedings of Spie](#), 9057, 905712.

189 Molina, C., Sanchez, A., Serafin-Munoz, A. & Folch-Mallol, J. (2014). Optimization of Enzymatic Saccharification of Wheat Straw in a Micro-Scale System by Response Surface Methodology. [Revista Mexicana De Ingenieria Quimica](#), 13(3), 765-778.

190 Paz-Rios, C. E. & Ardisson, P. L. (2014). Elasmopus Yucalpeten Sp N. (Crustacea, Amphipoda, Maeridae) From the Northern Yucatan Coast, With a Key for the Genus in the Gulf of Mexico and Biogeographic Comments. [Zoosystematics and Evolution](#), 90(2), 95-104.

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

191 Cabrera, R., Rocha, J., Flores, V., Vazquez-Moreno, L., Guarneros, G., Olmedo, G., Rodriguez-Romero, A. & De La Torre, M. (2014). Regulation of Sporulation Initiation by Nprp and Its Signaling Peptide Nprpb: Molecular Recognition and Conformational Changes (Vol 98, Pg 9399, 2014). [Applied Microbiology and Biotechnology](#), 98(22), 9517.

192 Coconi-Linares, N., Magana-Ortiz, D., Guzman-Ortiz, D. A., Fernandez, F., Loske, A. M. & Gomez-Lim, M. A. (2014). High-Yield Production of Manganese Peroxidase, Lignin Peroxidase, and Versatile Peroxidase in Phanerochaete Chrysosporium (Vol 98, Pg 9283, 2014). [Applied Microbiology and Biotechnology](#), 98(22), 9519.

193 Zaina, S. & Lund, G. (2014). Cardiovascular Epigenome-Wide Association Studies: Is Epigenetics Falling Short? [Current Opinion in Lipidology](#), 25(6), 474-475.

194 Meneses, A. (2014). 5-Ht7 Receptor Stimulation and Blockade: a Therapeutic Paradox About Memory Format on and Amnesia. [Frontiers in Behavioral Neuroscience](#), 8, 207.

195 Feregrino-Urbe, C., Aparicio-Diaz, E., Garcia-Hernandez, J. J., Menendez, A., Cumplido, R. & Morales-Reyes, A. (2014). Hardware Architecture for Security Improved Fallahpour Audio Watermarking Scheme. [Ieice Electronics Express](#), 11(9), 1-7.

196 Gonzalez-Hernandez, J. G., Martinez-Bernal, J. E., Valderrabano-Gonzalez, A., Rosas-Caro, J. C., Beltran-Carbajal, F., Ramirez-Arredondo, J. M. & Gonzalez-Lopez, J. M. (2014). Bootstrap Cascaded Multilevel Converter. [Ieice Electronics Express](#), 11(17), 1-9.

197 Sauri, D. A. L., Veleva, L. & Perez, G. (2014). D.a. Lopez-Sauri, L. Veleva and G. Perez, Analysis of Nonlinear Galvanostatic Oscillations in Ag-Cd Alloys Electrodeposition (Vol 9, Pg 1102, 2014). [International Journal of Electrochemical Science](#), 9(10), 5849.

198 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2014). Search for the Associated Production of the Higgs Boson With a Top-Quark Pair (Vol 9, 087, 2014). [Journal of High Energy Physics](#), (10), 106.

199 Chacon-Cortes, L. F. & Zuniga-Galindo, W. A. (2014). Nonlocal Operators, Parabolic-Type Equations, and Ultrametric Random Walks (Vol 54, 113503, 2013). [Journal of Mathematical Physics](#), 55(10), 109901.

200 Rivera, A. L., Magana-Ortiz, D., Gomez-Lim, M., Fernandez, F. & Loske, A. M. (2014). When the Boundaries Between Physics and Biology Blur: a Promising Future for Fungi as Producers of Valuable Recombinant Proteins Reply to Comments on: "Physical Methods for Genetic Transformation of Fungi and Yeast". [Physics of Life Reviews](#), 11(2), 217-219.

201 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Sliding Modes and Equivalent Control Concept. [Systems & Control: Foundations & Applications](#), p123-130.

202 Fridman, L., Poznyak, A. & Bejarano, F. J. (2014). Min-Max Multimodel Lq Control. [Systems & Control: Foundations & Applications](#), p131-141.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

203 Estrada-Garcia, T., Rodriguez-Pastrana, F., Lopez-Saucedo, C., Jimenez, A., Campos, F. & Zaidi, M. B. (2014). Origen de las Escherichia coli uropatogenas y su epidemiologia molecular. [Hechos Microbiologicos](#), 5(2, S2), 6.

204 Martinez-Soto, D., Perez-Garcia, F. E. & Ruiz-Herrera, J. (2014). La infeccion de Ustilago maydis en un huesped natural y otro experimental revela aspectos importantes de la interaccion huesped-patogeno. [Hechos Microbiologicos](#), 5(2, S2), 50.

205 Estrada-Barcenas, D. A., Martinez-Cruz, J., Estrada-Mora, J. C. & Sanchez-Chavarria, A. (2014). Confirmacion de la identificacion de microorganismos por la secuenciacion de regiones universales como herramienta taxonomica en la coleccion nacional de cepas microbianas y cultivos celulares. [Hechos Microbiologicos](#), 5(2, S2), 73-74.

206 Martinez-Cruz, J., Sanchez-Chavarria, A., Estrada-Mora, J. C., Estrada-Barcenas, D. A. & Rojas, R. R. (2014). Trascendencia, logistica y capital humano en la coleccion nacional de microorganismos. [Hechos Microbiologicos](#), 5(2, S2), 105.

207 Bueris, V., Huerta-Cantillo, J., Ruiz, R., Cianciarullo, A., Elias, W. & Navarro-Garcia, F. (2014). La formacion tardia de la lesion a/e causada por E. coli enteropatogena atipica depende de la expresion de proteinas codificadas en LEE y reguladas por PER. [Hechos Microbiologicos](#), 5(2, S2), 193.

208 Sarria-Guzman, Y. C., Lopez-Ramirez, M. P., Chavez-Romero, Y., Ruiz-Romero, E., Dendooven, L. & Bello-Lopez, J. M. (2014). Identificacion de integrones en cepas de Aeromonas spp. aisladas de pescado (Cyprinus carpio L.). [Hechos Microbiologicos](#), 5(2, S2), 228.

209 Guzman, R. L., Contreras-Rodriguez, A., Lopez-Merino, A., Hernandez, R. M., Hernandez, M., Perez, I. & Estrada-Garcia, T. (2014). Aislamiento y caracterizacion molecular de Vibrio spp. en cocteles de mariscos listos para consumo en Tabasco, Mexico. [Hechos Microbiologicos](#), 5(2, S2), 277.

210 Martinez-Cruz, J., Estrada-Mora, J. C., Estrada-Barcenas, D. A. et al. (2014). Trayectoria de la coleccion nacional de cepas microbianas y cultivos celulares del Cinvestav-IPN, Mexico: pilar para el desarrollo de la biotecnologia nacional. [Hechos Microbiologicos](#), 5(2, S2), 295.

211 Baker, R., Nakamura, N., Lyalin, D., Alfert, M., Guerrero-Hernandez, A. & Panin, V. (2014). Developmental Roles and Pathogenic Mechanisms Associated With Protein O-Mannosylation in *Drosophila*. [Glycobiology](#), 24(11), 1190.

212 Yam-Puc, J. C., Garcia-Cordero, J., Calderon-Amador, J., Donis-Maturano, L., Cedillo-Barron, L. & Flores-Romo, L. (2014). Germinal Centre Reaction Induced by Cutaneous Inoculation of Dengue Virus to Immune-Competent Mice. [Immunology](#), 143, 157.

213 Beristain-Covarrubias, N., Canche-Pool, E., Gomez-Diaz, R. & Ortiz-Navarrete, V. (2014). Crtam Expression by Ifn Gamma Producer T-Cells in Type 1 Diabetes Patients. [Immunology](#), 143, 158.

214 Ibanez, L. G., Cook, S. L., Zhang, Y., Yam-Puc, J. C., Brown, G., Antal, R. & Toellner, K. M. (2014). Atypical Chemokine Receptor 4 (Acr4) in B Cell Activation. [Immunology](#), 143, 183.

215 Neri, J. V., Martinez, O. C., Ruiz, R. R., Hernandez, G. C. & Peralta, P. C. (2014). Incidence and Severity of Adverse Reactions Associated With Anthracyclines in Paediatric Patients. [Pediatric Blood & Cancer](#), 61, S355.

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

216 Fernandez-Velasco, M., Ruiz-Hurtado, G., Gomez, A. M. & Rueda, A. (2014). Ca²⁺ Handling Alterations and Vascular Dysfunction in Diabetes. [Cell Calcium](#), 56(5), 397-407.

217 Carvajal, K., Balderas-Villalobos, J., Bello-Sanchez, M. D., Phillips-Farfan, B., Molina-Munoz, T., Aldana-Quintero, H. & Gomez-Viquez, N. L. (2014). Ca²⁺ Mishandling and Cardiac Dysfunction in Obesity and Insulin Resistance: Role of Oxidative Stress. [Cell Calcium](#), 56(5), 408-415.

218 Rocha, L., Alonso-Vanegas, M., Orozco-Suarez, S., Alcantara-Gonzalez, D., Cruzblanca, H. & Castro, E. (2014). Do Certain Signal Transduction Mechanisms Explain the Comorbidity of Epilepsy and Mood Disorders? [Epilepsy & Behavior](#), 38, 25-31.

219 Heil, M. & Land, W. G. (2014). Danger Signals - Damaged-Self Recognition Across the Tree of Life. [Frontiers in Plant Science](#), 5, 578.

220 Castaneda-Hernandez, G., Szekanecz, Z., Mysler, E., Azevedo, V. F., Guzman, R., Gutierrez, M., Rodriguez, W. & Karateev, D. (2014). Biopharmaceuticals for Rheumatic Diseases in Latin America, Europe, Russia, and India: Innovators, Biosimilars, and Intended Copies. [Joint Bone Spine](#), 81(6), 471-477.

221 Diss, G., Ascencio, D., Deluna, A. & Landry, C. R. (2014). Molecular Mechanisms of Paralogous Compensation and the Robustness of Cellular Networks. [Journal of Experimental Zoology Part B-Molecular and Developmental Evolution](#), 322(7), 488-499.

222 Salazar, M. I., Del Angel, R. M., Lanz-Mendoza, H., Ludert, J. E. & Pando-Robles, V. (2014). The Role of Cell Proteins in Dengue Virus Infection. [Journal of Proteomics](#), 111, 6-15.

223 Cardenas-Rodriguez, N., Coballase-Urrutia, E., Perez-Cruz, C., Montesinos-Correa, H., Rivera-Espinosa, L., Sampieri, A. & Carmona-Aparicio, L. (2014). Relevance of the Glutathione System in Temporal Lobe Epilepsy: Evidence in Human and Experimental Models. [Oxidative Medicine and Cellular Longevity](#), 2014, 759293.

Última actualización: Diciembre 30, 2014 08:55 a.m.

