

ARTÍCULOS DEL MES DE ABRIL DE 2014

[ARTÍCULOS A] - ARTÍCULOS PUBLICADOS EN EXLENTO 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-Labrado, 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 GABA_A receptors in GABA_A 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 Enteropathogenic 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 ZnO-CdO-V₂O₅ 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., Jiminez-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., Iftiquar, 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., Rabidan, R. I. & Sanabria-Gomez, J. D. (2014). Stationary Black Diholes. [Physical Review D](#), 89(6), 064049.
- 60 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2014). Measurement of the Direct C_p-Violating Charge Asymmetry in D-S(+/-) -> Phi Pi(+/-) 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(III) 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). Dulichiella 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 EXLENDO EN OTRAS REVISTAS ESPECIALIZADAS
(INCLUÍDO 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., Figueira-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 Bassett, 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. & Bassett, 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.

[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.