

ARTÍCULOS DEL MES DE MARZO DE 2017

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

1. Zepeda-Velazquez, A. P., Vega-Sanchez, V., Ortega-Santana, C., Rubio-Godoy, M., Montes-De Oca-Mira, D. & Soriano-Vargas, E. (2017). Pathogenicity of Mexican isolates of *Aeromonas* sp. in immersion experimentally-infected rainbow trout (*Oncorhynchus mykiss*, Walbaum 1792). [Acta Tropica](#), 169, 122-124.
2. Castro-Borges, P., Balancan-Zapata, M. & Zozaya-Ortiz, A. (2017). Electrochemical Meaning of Cumulative Corrosion Rate for Reinforced Concrete in a Tropical Natural Marine Environment. [Advances in Materials Science and Engineering](#), 2017, 6973605.
3. Gonzalez-Moran, C. O., Miranda-Hernandez, J. G., Cuautle Jdaf, Suaste-Gomez, E. & Herrera-Hernandez, H. (2017). A Plzt Novel Sensor With Pt Implanted for Biomedical Application: Cardiac Micropulses Detection on Human Skin. [Advances in Materials Science and Engineering](#), 2017, 2054940.
4. Veys, W. & Zuniga-Galindo, W. A. (2017). Zeta functions and oscillatory integrals for meromorphic functions. [Advances in Mathematics](#), 311, 295-337.
5. Siller-Ceniceros, A. A., Sanchez-Castro, M. E., Morales-Acosta, D., Torres-Lubian, J. R., Martinez, E. & Rodriguez-Varela, F. J. (2017). Innovative functionalization of Vulcan XC-72 with Ru organometallic complex: Significant enhancement in catalytic activity of Pt/C electrocatalyst for the methanol oxidation reaction (MOR). [Applied Catalysis B-Environmental](#), 209, 455-467.
6. Aguirre-Aguirre, D., Diaz-Uribe, R., Campos-Garcia, M., Villalobos-Mendoza, B., Izazaga-Perez, R. & Huerta-Carranza, O. (2017). Fast conical surfaces evaluation with null-screens and randomized algorithms. [Applied Optics](#), 56(5), 1370-1382.
7. Cipriano-Urbano, I. E. & Garnica-Garza, H. M. (2017). Feasibility of the use of a pixelated transmission chamber to measure scattered-radiation in projection radiography: I. Monte Carlo analysis of x-ray scatter propagation and detector modeling. [Applied Radiation and Isotopes](#), 122, 193-201.
8. Martinez-Cruz, K., Gonzalez-Valencia, R., Sepulveda-Jauregui, A., Plascencia-Hernandez, F., Belmonte-Izquierdo, Y. & Thalasso, F. (2017). Methane Emission From Aquatic Ecosystems of Mexico City. [Aquatic Sciences](#), 79(1), 159-169.
9. Munoz-Vazquez, A. J., Parra-Vega, V. & Sanchez-Orta, A. (2017). Continuous Fractional-Order Sliding Pi Control for Nonlinear Systems Subject to Non-Differentiable Disturbances. [Asian Journal of Control](#), 19(1), 279-288.
10. Navarro, A., Begovich, O., Sanchez, J. & Besancon, G. (2017). Real-Time Leak Isolation Based on State Estimation With Fitting Loss Coefficient Calibration in a Plastic Pipeline. [Asian Journal of Control](#), 19(1), 255-265.
11. Egorov, A. V., Cuvas, C. & Mondie, S. (2017). Necessary and sufficient stability conditions for linear systems with pointwise and distributed delays. [Automatica](#), 80, 218-224.
12. Reyes-Cortes, R., Acosta-Smith, E., Mondragon-Flores, R., Nazmi, K., Bolscher, J. G. M., Canizalez-Roman, A. & Leon-Sicairos, N. (2017). Antibacterial and Cell Penetrating Effects of Lfcin17-30, Lfampin265-284, and Lf Chimera on Enteroggregative *Escherichia Coli*. [Biochemistry and Cell Biology](#), 95(1), 76-81.

13. Lopez-Calderon, E. M., Guevara-Balcazar, G., Osorio-Alonso, H., Lara-Padilla, E., Hong-Chong, E., Ramirez-Sanchez, I. & Castillo-Hernandez, M. C. (2017). Modification of Blood Pressure and Vascular Reactivity to Angiotensin Ii in the Perfused Heart of Hypertensive Rats Treated With Hyperbaric Oxygenation. [Biomedical Research-India](#), *28*(1), 145-151.
14. Franco-Medrano, D. I., Guerrero-German, P., Montesinos-Cisneros, R. M., Ortega-Lopez, J. & Tejeda-Mansir, A. (2017). Plasmid Pvax1-Nh36 Purification by Membrane and Bead Perfusion Chromatography. [Bioprocess and Biosystems Engineering](#), *40*(3), 463-471.
15. Perez-Pimienta, J. A., Sathitsuksanoh, N., Thompson, V. S., Tran, K., Ponce-Noyola, T., Stavila, V., Singh, S. & Simmons, B. A. (2017). Ternary ionic liquid-water pretreatment systems of an agave bagasse and municipal solid waste blend. [Biotechnology for Biofuels](#), *10*, 72.
16. Guzman-Guzman, P., Aleman-Duarte, M. I., Delaye, L., Herrera-Estrella, A. & Olmedo-Monfil, V. (2017). Identification of Effector-Like Proteins in Trichoderma Spp. And Role of a Hydrophobin in the Plant-Fungus Interaction and Mycoparasitism. [Bmc Genetics](#), *18*, 16.
17. Lauria, M., Echegoyen-Nava, R. A., Rodriguez-Rios, D., Zaina, S. & Lund, G. (2017). Inter-Individual Variation in Dna Methylation Is Largely Restricted to Tissue-Specific Differentially Methylated Regions in Maize. [Bmc Plant Biology](#), *17*(1), 52.
18. Mendez-Lopez, L. F., Davila-Velderrain, J., Dominguez-Huttinger, E., Enriquez-Olguin, C., Martinez-Garcia, J. C. & Alvarez-Buylla, E. R. (2017). Gene Regulatory Network Underlying the Immortalization of Epithelial Cells. [Bmc Systems Biology](#), *11*, 24.
19. Escobar-Corona, C., Torres-Castillo, S., Rodriguez-Torres, E. E., Segura-Alegria, B., Jimenez-Estrada, I. & Quiroz-Gonzalez, S. (2017). Electroacupuncture improves gait locomotion, H-reflex and ventral root potentials of spinal compression injured rats. [Brain Research Bulletin](#), *131*, 7-17.
20. Mendoza-Rodriguez, M., Arevalo-Romero, H., Fuentes-Panana, E. M., Ayala-Summano, J. T. & Meza, I. (2017). IL-1[Beta]- induces up-regulation of BIRC3, a gene involved in chemoresistance to doxorubicin in breast cancer cells. [Cancer Letters](#), *390*, 39-44.
21. Rodriguez, J. E., Romero-Nava, R., Resendiz-Albor, A. A., Rosales-Cruz, E., Hong, E., Huang, F. Y. & Villafana, S. (2017). Expression and Localization of the at(1) and at(2) Angiotensin Ii Receptors and (1a) and (1d) Adrenergic Receptors in Aorta of Hypertensive and Diabetic Rats. [Clinical and Experimental Hypertension](#), *39*(1), 85-92.
22. Barba, L., Duque, F., Fabila-Monroy, R. & Hidalgo-Toscano, C. (2017). Drawing the Horton set in an integer grid of minimum size. [Computational Geometry-Theory and Applications](#), *63*, 10-19.
23. Cortes-Romero, J., Jimenez-Triana, A., Coral-Enriquez, H. & Sira-Ramirez, H. (2017). Algebraic estimation and active disturbance rejection in the control of flat systems. [Control Engineering Practice](#), *61*, 173-182.
24. Aguilar-Valdez, N., Mañdonado-Dominguez, M., Arcos-Ramos, R., Romero-Avila, M., Santillan, R. & Farfan, N. (2017). Synthesis of steroidal molecular compasses: exploration of the controlled assembly of solid organic materials. [CrystEngComm](#), *19*, 1771-1777.
25. Beltran-Carbajal, F. & Silva-Navarro, G. (2017). A Fast Parametric Estimation Approach of Signals With Multiple Frequency Harmonics. [Electric Power Systems Research](#), *144*, 157-162.
26. Mejia, J. A. H., Schutze, O., Cuate, O., Lara, A. & Deb, K. (2017). Rds-Nsga-Ii: a Memetic Algorithm for Reference Point Based Multi-Objective Optimization. [Engineering Optimization](#), *49*(5), 828-845.

27. Medina-Diaz, I. M., Ponce-Ruiz, N., Ramirez-Chavez, B., Rojas-Garcia, A. E., Barron-Vivanco, B. S., Elizondo, G. & Bernal-Hernandez, Y. Y. (2017). Downregulation of Human Paraoxonase 1 (Pon1) by Organophosphate Pesticides in Hepg2 Cells. [Environmental Toxicology](#), *32*(2), 490-500.
28. Landeros, J. M. & Juaristi, E. (2017). Mechanochemical Synthesis of Dipeptides Using Mg-Al Hydrotalcite as Activating Agent Under Solvent-Free Reaction Conditions. [European Journal of Organic Chemistry](#), *2017*(3), 687-694.
29. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s}=8\text{TeV}$. [European Physical Journal C](#), *77*(2), 92.
30. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Measurements of the T(T)Over-Bar Production Cross Section in Lepton Plus Jets Final States in Pp Collisions at 8 and Ratio of 8 to 7 Cross Sections. [European Physical Journal C](#), *77*(1), 15.
31. Adam, J., Adamova, D., Aggarwal, M. M. et al. (2017). Determination of the event collision time with the ALICE detector at the LHC. [European Physical Journal Plus](#), *132*(2), 99.
32. Villegas-Pineda, J. C., Toledo-Leyva, A., Osorio-Trujillo, J. C., Hernandez-Ramirez, V. I. & Talamas-Rohana, P. (2017). The translational blocking of $\alpha 5$ and $\alpha 6$ integrin subunits affects migration and invasion, and increases sensitivity to carboplatin of SKOV-3 ovarian cancer cell line. [Experimental Cell Research](#), *351*(2), 127-134.
33. Garcia-Huante, Y., Cayetano-Cruz, M., Santiago-Hernandez, A. et al. (2017). The Thermophilic Biomass-Degrading Fungus *Thielavia Terrestris* Co3bag1 Produces a Hyperthermophilic and Thermostable Beta-1,4-Xylanase With Exo- and Endo-Activity. [Extremophiles](#), *21*(1), 175-186.
34. Carreno-Aguilera, R., Yu, W., Tovar-Rodriguez, J. C., Acevedo-Mosqueda, M. A. & Gomez-Coronel, S. L. (2017). A nonlinear estimation acoustic transducer based on a variable structure control law. [Fractals](#), *25*(2), 1750018.
35. Cazares-Apatiga, J., Medina-Gomez, C., Chavez-Munguia, B., Calixto-Galvez, M., Orozco, E., Vazquez-Calzada, C., Martinez-Higuera, A. & Rodriguez, M. A. (2017). The Tudor Staphylococcal Nuclease Protein of *Entamoeba Histolytica* Participates in Transcription Regulation and Stress Response. [Frontiers in Cellular and Infection Microbiology](#), *7*, 52.
36. Leon-Ramirez, C. G., Cabrera-Ponce, J. L., Martinez-Soto, D., Sanchez-Arreguin, A., Arechiga-Carvajal, E. T. & Ruiz-Herrera, J. (2017). Transcriptomic analysis of basidiocarp development in *Ustilago maydis* (DC) Cda. [Fungal Genetics and Biology](#), *101*, 34-45.
37. Gomez-Diaz, R. A., Gutierrez, J., Contreras-Rodriguez, A. et al. (2017). Association of V249i and T280m Variants of Fractalkine Receptor *Cx3cr1* With Carotid Intima-Media Thickness in a Mexican Population With Type 2 Diabetes. [Gaceta Medica De Mexico](#), *153*(1), 49-56.
38. Tapia-Ignacio, C., Ponce-Flores, H., Corrales-Mendoza, I. & Conde-Gallardo, A. (2017). Superconductivity and Paramagnetism in the Nd-Based 1111 Oxypnictide Compounds. [Ieee Transactions on Applied Superconductivity](#), *27*(4), 7300905.
39. Miranda-Villatoro, F. A. & Castanos, F. (2017). Robust Output Regulation of Strongly Passive Linear Systems With Multivalued Maximally Monotone Controls. [Ieee Transactions on Automatic Control](#), *62*(1), 238-249.

40. Paternina, M. R. A., Ramirez-Arredondo, J. M., Lara-Jimenez, J. D. & Zamora-Mendez, A. (2017). Dynamic Equivalents by Modal Decomposition of Tie-Line Active Power Flows. [IEEE Transactions on Power Systems](#), *32*(2), 1304-1314.
41. Diaz-Baez, J. M., Fabila-Monroy, R., Perez-Lantero, P. & Ventura, I. (2017). New results on the coarseness of bicolored point sets. [Information Processing Letters](#), *123*, 1-7.
42. Gonzalez-Hernandez, I., Palacios, F. M., Cruz, S. S., Quesada, E. S. E. & Leal, R. L. (2017). Real-Time Altitude Control for a Quadrotor Helicopter Using a Super-Twisting Controller Based on High-Order Sliding Mode Observer. [International Journal of Advanced Robotic Systems](#), *14*(1).
43. Palacios, F. M., Quesada, E. S. E., Sanahuja, G., Salazar, S., Salazar, O. G. & Carrillo, L. R. G. (2017). Test Bed for Applications of Heterogeneous Unmanned Vehicles. [International Journal of Advanced Robotic Systems](#), *14*(1).
44. Soltani, N., Bahrami, A., Pech-Canul, M. I., Gonzalez, L. A. & Gurlo, A. (2017). Kinetics of Silicon Nitride Formation on SiO₂-Derived Rice Husk Ash Using the Chemical Vapor Infiltration Method. [International Journal of Chemical Kinetics](#), *49*(4), 293-302.
45. Davila-Rios, I., Lopez-Juarez, I., Mendez, G. M., Osorio-Comparan, R., Lefranc, G. & Cubillos, C. (2017). A Singleton Type-1 Fuzzy Logic Controller for on-Line Error Compensation During Robotic Welding. [International Journal of Computers Communications & Control](#), *12*(2), 201-216.
46. Lopez, V. G. , Sanchez, E. N., Alanis, A. Y. & Rios, J. D. (2017). Real-Time Neural Inverse Optimal Control for a Linear Induction Motor. [International Journal of Control](#), *90*(4), 800-812.
47. Arvizu, M. A., Morales-Luna, M., Perez-Gonzalez, M., Campos-Gonzalez, E., Zelaya-Angel, O. & Tomas, S. A. (2017). Influence of Thermal Annealings in Argon on the Structural and Thermochromic Properties of MoO₃ Thin Films. [International Journal of Thermophysics](#), *38*(4), 51.
48. Lugo, J. M. & Oliva, A. I. (2017). Thermal Effusivity Determination of Metallic Films of Nanometric Thickness by the Electrical Micropulse Method. [International Journal of Thermophysics](#), *38*(2), 18.
49. Trujillo-Vazquez, E., Pech-Canul, M. I. & Marcazzo, J. (2017). Topaz Synthesis Using Al₂O₃, Al(OH)₃ or Al₂Si₂O₅(OH)₄ and Color Centers Promoting Its Radioluminescence Response. [Journal of Alloys and Compounds](#), *701*, 574-580.
50. Garcia-Suarez, R., Verduzco-Rosas, L. A., Del Rincon-Castro, M. C., Delano-Frier, J. P. & Ibarra, J. E. (2017). Translocation of *Bacillus thuringiensis* in *Phaseolus vulgaris* tissues and vertical transmission in *Arabidopsis thaliana*. [Journal of Applied Microbiology](#), *122*(4), 1092-1100.
51. Huang, F. Y. , Del-Rio-Navarro, B. E., Alcantara, S. T. et al. (2017). Adipokines, Asymmetrical Dimethylarginine, and Pulmonary Function in Adolescents With Asthma and Obesity. [Journal of Asthma](#), *54*(2), 153-161.
52. Castro-Munozledo, F., Meza-Aguilar, D. G., Dominguez-Castillo, R., Hernandez-Zequinely, V. & Sanchez-Guzman, E. (2017). Vimentin as a Marker of Early Differentiating, Highly Motile Corneal Epithelial Cells. [Journal of Cellular Physiology](#), *232*(4), 818-830.
53. Alabert, A. & Leon, J. A. (2017). On uniqueness for some non-Lipschitz SDE. [Journal of Differential Equations](#), *262*(12), 6047-6067.

54. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s}=8$ TeV. [Journal of High Energy Physics](#), 2017(2), 096.
55. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s}=8$ TeV using $H \rightarrow WW$ decays. [Journal of High Energy Physics](#), (3), 32.
56. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Search for Anomalous Wtb Couplings and Flavour-Changing Neutral Currents in T-Channel Single Top Quark Production in Pb Collisions at $\sqrt{s}=7$ and 8 TeV. [Journal of High Energy Physics](#), (2), 28.
57. Ruiz Vargas, J., Battilana, C., Malberti, M. et al. (2017). Search for Heavy Resonances Decaying to Tau Lepton Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. [Journal of High Energy Physics](#), (2), 048.
58. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s}=8$ TeV. [Journal of High Energy Physics](#), (2), 79.
59. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s}=7, 8,$ and 13 TeV. [Journal of High Energy Physics](#), (2), 135.
60. Adam, J., Adamova, D., Aggarwal, M. M. et al. (2017). W and Z Boson Production in P-Pb Collisions at $\sqrt{s}(NN)=5.02$ TeV. [Journal of High Energy Physics](#), (2), 77.
61. Gutierrez-Hoya, A., Lopez-Santiago, R., Vela-Ojeda, J. et al. (2017). Role of Cd8 Regulatory T Cells Versus Tc1 and Tc17 Cells in the Development of Human Graft-Versus-Host Disease. [Journal of Immunology Research](#), 2017, 1236219.
62. Camacho, K. I., Pariona, N., Martinez, A. I., Baggio-Saitovitch, E., Herrera-Trejo, M. & Perry, D. L. (2017). Structural and magnetic properties of the products of the transformation of ferrihydrite: Effect of cobalt dications. [Journal of Magnetism and Magnetic Materials](#), 429, 339-347.
63. De la Lande, A., Clavaguera, C. & Koster, A. (2017). On the accuracy of population analyses based on fitted densities#. [Journal of Molecular Modeling](#), 23(4), 99.
64. Olazaran, F. E., Garcia-Perez, C. A., Bandyopadhyay, D., Balderas-Renteria, I., Reyes-Figueroa, A. D., Henschke, L. & Rivera, G. (2017). Theoretical and experimental study of polycyclic aromatic compounds as β -tubulin inhibitors. [Journal of Molecular Modeling](#), 23(3), 85.
65. Suarez-Ortiz, G. A., Cerda-Garcia-Rojas, C. M., Fragoso-Serrano, M. & Pereda-Miranda, R. (2017). Complementarity of Dft Calculations, Nmr Anisotropy, and Ecd for the Configurational Analysis of Brevipolides K-O From Hyptis Brevipes. [Journal of Natural Products](#), 80(1), 181-189.
66. Galvan, E. J. & Gutierrez, R. (2017). Target-Dependent Compartmentalization of the Corelease of Glutamate and Gaba From the Mossy Fibers. [Journal of Neuroscience](#), 37(3), 701-714.
67. Ibarra-Rodriguez, M., Munoz-Flores, B. M., Rasika-Dias, H. V., Sanchez, M., Gomez-Trevino, A., Santillan, R., Farfan, N. & Jimenez-Perez, V. M. (2017). Fluorescent Molecular Rotors of Organoboron Compounds from Schiff Bases: Synthesis, Viscosity, Reversible Thermochromism, Cytotoxicity, and Bioimaging Cells. [Journal of Organic Chemistry](#), 82(5), 2375-2385.

68. Gomez-Pozos, H., Karthik, T. V. K., Olvera, M. L., Garcia-Barrientos, A., Perez-Cortes, O., Vega-Perez, J., Maldonado, A., Perez-Hernandez, R. & Rodriguez-Lugo, V. (2017). ZnO thin films as propane sensors: Band structure models to explicate the dependence between the structural and morphological properties on gas sensitivity. [*Journal of Physics and Chemistry of Solids*, 106](#), 16-28.
69. Cardenas-Navarro, R., Castellanos-Morales, V. D. C. , Lopez-Perez, L., Pena-Cabriales, J. J., Vargas-De La Cruz, F. & Flores-Cortez, I. (2017). Nitrate Influx in Rose Plants During Day-Night Cycle. [*Journal of Plant Nutrition*, 40\(4\)](#), 486-491.
70. Gutierrez-Miceli, F. A., Garcia-Gomez, R. C., Oliva-Llaven, M. A., Montes-Molina, J. A. & Dendooven, L. (2017). Vermicomposting Leachate as Liquid Fertilizer for the Cultivation of Sugarcane (Saccharum Sp.). [*Journal of Plant Nutrition*, 40\(1\)](#), 40-49.
71. Escorcia-Garcia, J., Becerra-Garcia, D. & Mora-Ramos, M. E. (2017). Spatial Localization of Electromagnetic Modes in Noise-Like Random One-Dimensional Dielectric Heterostructures. [*Journal of the Optical Society of America B-Optical Physics*, 34\(2\)](#), 507-515.
72. Chin-Chan, M., Bautista, E., Alvarado-Cruz, I., Quintanilla-Vega, B. & Segovia, J. (2017). Inorganic mercury prevents the differentiation of SH-SY5Y cells: Amyloid precursor protein, microtubule associated proteins and ROS as potential targets. [*Journal of Trace Elements in Medicine and Biology*, 41](#), 119-128.
73. Mayen-Mondragon, R., Avila-Herrera, C. A., Herrera-Gomez, A., Yanez-Limon, J. M. & Ramirez-Bon, R. (2017). Laser Reflection as a Simple Prospect Tool for Nondestructive Quality Control of Charged Lapping Plates. [*Journal of Tribology-Transactions of the Asme*, 139\(1\)](#), 021101.
74. Qin, Z. C., Xiong, F. R., Ding, Q., Hernandez, C., Fernandez, J., Schutze, O. & Sun, J. Q. (2017). Multi-Objective Optimal Design of Sliding Mode Control With Parallel Simple Cell Mapping Method. [*Journal of Vibration and Control*, 23\(1\)](#), 46-54.
75. Serrato-Millan, R., Medina-Torres, L., Calderas, F. et al. (2017). Rheology and gel point of the enzymatic hydrolysis of urea in the presence of urease. [*Korean Australia Rheology Journal*, 29\(1\)](#), 1-7.
76. Dussel, I. & Dahya, N. (2017). Introduction: Problematizing Voice and Representation in Youth Media Production. [*Learning Media and Technology*, 42\(1\)](#), 1-7.
77. Gold-Bouchot, G., Rubio-Pina, J., Montero-Munoz, J., Ramirez-Miss, N., Echeverria-Garcia, A., Patino-Suarez, V., Puch-Hau, C. A. & Zapata-Perez, O. (2017). Pollutants and biomarker responses in two reef fish species (Haemulon aurolineatum and Ocyurus chrysurus) in the Southern Gulf of Mexico. [*Marine Pollution Bulletin*, 116\(1-2\)](#), 249-257.
78. Aguirre-Chagala, Y. E., Altuzar, V., Leon-Sarabia, E., Tinoco-Magana, J. C., Yanez-Limon, J. M. & Mendoza-Barrera, C. (2017). Physicochemical properties of polycaprolactone/collagen/elastin nanofibers fabricated by electrospinning. [*Materials Science & Engineering C-Materials for Biological Applications*, 76](#), 897-907.
79. Jafari, R. & Yu, W. (2017). Fuzzy Modeling for Uncertainty Nonlinear Systems With Fuzzy Equations. [*Mathematical Problems in Engineering*, 2017](#), 8594738.
80. Flores-Figueroa, J., Ortiz-Navarrete, V., Paredes-Paredes, M., Espinosa-Lopez, F. R. & Castro-D'Franchis, L. J. (2017). Urinary Il-8 as an early diagnostic tool for nosocomial urinary tract infection. [*Medical Science Technology*, 58](#), 15-20.

81. Cuellar-Cruz, M., Lucio-Hernandez, D., Martinez-Angeles, I., Demitri, N., Polentarutti, M., Rosales-Hoz, M. J. & Moreno, A. (2017). Biosynthesis of micro- and nanocrystals of Pb (II), Hg (II) and Cd (II) sulfides in four *Candida* species: a comparative study of in-*in vivo* and in-*in vitro* approaches. [Microbial Biotechnology](#), *10*(2), 405-424.
82. Hernandez-Diaz, I., Saavedra-Gomez, H. J., Loo-Yau, J. R., Hernandez, J. A. R. & Moreno, P. (2017). An Empirical Nonlinear Rf Model for Cmos Fet Suitable for Modeling the Breakdown Region. [Microwave and Optical Technology Letters](#), *59*(3), 563-567.
83. Leyva-Hernandez, R., Tirado-Mendez, J. A., Jardon-Aguilar, H., Flores-Leal, R. & Miranda, R. L. Y. (2017). Reduced Size Elliptic Uwb Antenna With Inscribed Third Iteration Sierpinski Triangle for on-Body Applications. [Microwave and Optical Technology Letters](#), *59*(3), 635-641.
84. Lopez-Saucedo, F., Uribe-Salas, A., Davila-Pulido, G., Magallanes-Hernandez, L. & Rodriguez, J. B. (2017). Effects of Solids Concentration on Gas Dispersion in Industrial Mechanical Cells. [Minerals & Metallurgical Processing](#), *34*(1), 30-35.
85. Alfonzo-Mendez, M. A., Hernandez-Espinosa, D. A., Carmona-Rosas, G., Romero-Avila, M. T., Reyes-Cruz, G. & Garcia-Sainz, J. A. (2017). Protein kinase C activation promotes α 1B-adrenoceptor internalization and late endosome trafficking through Rab9 interaction. Role in heterologous desensitization. [Molecular Pharmacology](#), *91*(4), 296-306.
86. Baruch, I. S., Quintana, V. A. & Reynaud, E. P. (2017). Complex-Valued Neural Network Topology and Learning Applied for Identification and Control of Nonlinear Systems. [Neurocomputing](#), *233*, 104-115.
87. Castanos, F. & Franci, A. (2017). Implementing Robust Neuromodulation in Neuromorphic Circuits. [Neurocomputing](#), *233*, 3-13.
88. Pano-Azucena, A. D., Rangel-Magdaleno, J. D., Tlelo-Cuautle, E. & Quintas-Valles, A. D. (2017). Arduino-Based Chaotic Secure Communication System Using Multi-Directional Multi-Scroll Chaotic Oscillators. [Nonlinear Dynamics](#), *87*(4), 2203-2217.
89. Obregon-Zuniga, A., Milan, M. & Juaristi, E. (2017). Improving the Catalytic Performance of (S)-Proline as Organocatalyst in Asymmetric Aldol Reactions in the Presence of Solvate Ionic Liquids: Involvement of a Supramolecular Aggregate. [Organic Letters](#), *19*(5), 1108-1111.
90. Pampillon-Gozanlez, L., Luna-Guido, M., Ruiz-Valdiviezo, V. M., Franco-Hernandez, O., Fernandez-Luqueno, F., Paredes-Lopez, O., Hernandez, G. & Dendooven, L. (2017). Greenhouse Gas Emissions and Growth of Wheat Cultivated in Soil Amended with Digestate from Biogas Production. [Pedosphere](#), *27*(2), 318-327.
91. Volovichev, I. N., Titov, O. Y. & Gurevich, Y. G. (2017). Photovoltaic Effect in Unipolar Multivalley Semiconductors. [Philosophical Magazine](#), *97*(9), 683-692.
92. Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2017). Measurement of the Direct C_p Violating Charge Asymmetry in $B^{+/-} \rightarrow \mu^{+/-} \nu_{\mu} D-\mu(0)$ Decays. [Physical Review D](#), *95*(3), 031101(R).
93. Martinez-Huerta, H. & Perez-Lorenzana, A. (2017). Restrictions From Lorentz Invariance Violation on Cosmic Ray Propagation. [Physical Review D](#), *95*(6), 063001.
94. Sosa-Hernandez, J. E., Santillan, M. & Santana-Solano, J. (2017). Motility of *Escherichia coli* in a quasi-two-dimensional porous medium. [Physical Review E](#), *95*(3), 032404.

95. Godina-Nava, J. J., Torres-Vega, G., Lopez-Riquelme, G. O., Lopez-Sandoval, E., Samana, A. R., Garcia-Velasco, F., Hernandez-Aguilar, C. & Dominguez-Pacheco, A. (2017). Quantum mechanical model for the anticarcinogenic effect of extremely-low-frequency electromagnetic fields on early chemical hepatocarcinogenesis. [Physical Review E](#), *95*(2), 022416.
96. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. [Physics Letters B](#), *768*, 103-129.
97. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Observation of the Decay $B^+ \rightarrow \Psi(2s)\Phi(1020)K^+$ in Pp Collisions at $\sqrt{s}=8$ TeV. [Physics Letters B](#), *764*, 66-86.
98. Adam, J., Adamova, D., Aggarwal, M. M. et al. (2017). Phi-Meson production at forward rapidity in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV and in pp collisions at $\sqrt{s}=2.76$ TeV. [Physics Letters B](#), *768*, 203-217.
99. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. [Physics Letters B](#), *768*, 137-162.
100. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=13$ TeV and combination with 8 TeV data. [Physics Letters B](#), *768*, 57-80.
101. Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s}=8$ TeV using the $[\alpha]T$ variable. [Physics Letters B](#), *767*, 403-430.
102. Olvera-Hernandez, S., Tapia-Rodriguez, M., Swaab, D. F. & Fernandez-Guasti, A. (2017). Prenatal Administration of Letrozole Reduces Sdn and Scn Volume and Cell Number Independent of Partner Preference in the Male Rat. [Physiology & Behavior](#), *171*, 61-68.
103. Palmeros-Suarez, P. A., Massange-Sanchez, J. A., Sanchez-Segura, L., Martinez-Gallardo, N. A., Rangel, E. E., Gomez-Leyva, J. F. & Delano-Frier, J. P. (2017). Ahdgr2, an Amaranth Abiotic Stress-Induced Duf642 Protein Gene, Modifies Cell Wall Structure and Composition and Causes Salt and Aba Hyper-Sensibility in Transgenic Arabidopsis. [Planta](#), *245*(3), 623-640.
104. Fernandez-Luqueno, F., Cabrera-Lazaro, G., Corlay-Chee, L., Lopez-Valdez, F. & Dendooven, L. (2017). Dissipation of Phenanthrene and Anthracene From Soil With Increasing Salt Content Amended With Wastewater Sludge. [Polish Journal of Environmental Studies](#), *26*(1), 29-38.
105. Ruiz-Olmedo, M. I., Gonzalez-Hernandez, I., Palomares-Alonso, F., Franco-Perez, J., Gonzalez, M. L. & Jung-Cook, H. (2017). Effect of nitazoxanide on albendazole pharmacokinetics in cerebrospinal fluid and plasma in rats. [Saudi Pharmaceutical Journal](#), *25*(3), 413-418.
106. Diss, G., Gagnon-Arsenault, I., Dion-Cote, A. M., Vignaud, H., Ascencio, D. I., Berger, C. M. & Landry, C. R. (2017). Gene Evolution Gene Duplication Can Impart Fragility, Not Robustness, in the Yeast Protein Interaction Network. [Science](#), *355*(6325), 630-633.
107. Gerardo-Nieto, O., Astorga-Espana, M. S., Mansilla, A. & Thalasso, F. (2017). Initial report on methane and carbon dioxide emission dynamics from sub-Antarctic freshwater ecosystems: A seasonal study of a lake and a reservoir. [Science of The Total Environment](#), *593-594*, 144-154.

108. Azpeitia, E., Munoz, S., Gonzalez-Tokman, D., Martinez-Sanchez, M. E., Weinstein, N., Naldi, A., Alvarez-Buylla, E. R., Rosenblueth, D. A. & Mendoza, L. (2017). The Combination of the Functionalities of Feedback Circuits Is Determinant for the Attractors' Number and Size in Pathway-Like Boolean Networks. [Scientific Reports](#), *7*, 42023.
109. Collazo-Reyes, F., Luna-Morales, M. E. & Luna-Morales, E. (2017). Change in the Publishing Regime in Latin America: From a Local to Universal Journal, *Archivos De Investigacin Medica/Archives of Medical Research (1970-2014)*. [Scientometrics](#), *110*(2), 695-709.
110. Collazo-Reyes, F., Luna-Morales, M. E., Russell, J. M. & Perez-Angon, M. A. (2017). Emergence of Modern Scientific Discourse in the American Continent: Knowledge Claims in the Discovery of Erythronium/Vanadium in Mexico (1802-1832). [Scientometrics](#), *110*(3), 1505-1521.
111. Bueno Hernandez, D., Mishra, R. K., Munoz, R. & Marty, J. L. (2017). Low cost optical device for detection of fluorescence from Ochratoxin A using a CMOS sensor. [Sensors and Actuators B-Chemical](#), *246*, 606-614.
112. Ramirez, A. , Sipahi, R., Mondie, S. & Garrido, R. (2017). An Analytical Approach to Tuning of Delay-Based Controllers for Lti-Siso Systems. [Siam Journal on Control and Optimization](#), *55*(1), 397-412.
113. Menchaca-Mendez, A. & Coello, C. A. C. (2017). An Alternative Hypervolume-Based Selection Mechanism for Multi-Objective Evolutionary Algorithms. [Soft Computing](#), *21*(4), 861-884. Rec #: 318
<http://link.springer.com/article/10.1007/s00500-015-1819-x>
114. Rimmaudo, I., Salavei, A., Artegiani, E., Menossi, D. , Giarola, M., Mariotto, G., Gasparotto, A. & Romeo, A. (2017). Improved Stability of Cdte Solar Cells by Absorber Surface Etching. [Solar Energy Materials and Solar Cells](#), *162*, 127-133.
115. Lime, F., Avila-Herrera, F., Cerdeira, A. & Iniguez, B. (2017). A compact explicit DC model for short channel Gate-All-Around junctionless MOSFETs. [Solid-State Electronics](#), *131*, 24-29.
116. Rubio-Ponce, A. & Olguin, D. (2017). Effect of the d electrons on the electronic band structure of the valence bands of IIB-VIa reconstructed surfaces: GGA+U calculation. [Surface Science](#), *660*, 47-55.
117. Falcon-Cardona, J. G. & Coello-Coello, C. A. (2017). A new indicator-based many-objective ant colony optimizer for continuous search spaces. [Swarm Intelligence](#), *11*(1), 71-100.
118. Sanchez-Bulas, T., Cruz-Vasquez, O., Hernandez-Obregon, J. & Rojas, A. (2017). Enthalpies of fusion, vaporisation and sublimation of crown ethers determined by thermogravimetry and differential scanning calorimetry. [Thermochimica Acta](#), *650*, 123-133.
119. Avila-Bonilla, R. G., Yocupicio-Monroy, M., Marchat, L. A., De Nova-Ocampo, M. A., Del Angel, R. M. & Salas-Benito, J. S. (2017). Analysis of the miRNA profile in C6/36 cells persistently infected with dengue virus type 2. [Virus Research](#), *232*, 139-151.
120. Sotelo-Navarro, P. X., Poggi-Varaldo, H. M., Turpin-Marion, S. J., Vazquez-Morillas, A., Beltran-Villavicencio, M. & Espinosa-Valdemar, R. M. (2017). Biohydrogen production from used diapers: Evaluation of effect of temperature and substrate conditioning. [Waste Management and Research](#), *35*(3), 267-275.

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

121. Cuate, O., Derbel, B., Liefoghe, A., Talbi, E. G. & Schutze, O. (2017). An approach for the local exploration of discrete many objective optimization problems. [Lecture Notes in Computer Science](#), 10173, 135-150.
122. Deb, K., Hussein, R., Roy, P. & Toscano, G. (2017). Classifying metamodeling methods for evolutionary multi-objective optimization: First results. [Lecture Notes in Computer Science](#), 10173, 160-175.
123. Sanchez-Nungaray, A. & Vasilevski, N. (2017). Commutative algebras of toeplitz operators on a siegel domain associated with the nilpotent group of its biholomorphisms. [Operator Theory: Advances and Applications](#), 258, 275-300.
124. Alos, E. & Leon, J. A. (2017). On the short-time behaviour of the implied volatility skew for spread options and applications. [Trends in Mathematics](#), 6, 97-99.
125. Pescador-Rojas, M., Hernandez-Gomez, R., Montero, E., Rojas-Morales, N., Riff, M. C. & Coello-Coello, C. A. (2017). An overview of weighted and unconstrained scalarizing functions. [Lecture Notes in Computer Science](#), 10173, 499-513.
126. Acosta-Enriquez, E. B., Carrillo-Torres, R. C., Acosta Enriquez, M. C., Castillo Ortega, R., Zayas, M. A. E., Castillo, S. J. & Pech-Canul, M. I. (2017). Photoluminescence in nanostructured alpha-silicon nitride coatings ($[\alpha\text{-Si}_3\text{N}_4]$). [Digest Journal of Nanomaterials and Biostructures](#), 12(1), 111-117.
127. Zazueta-Beltran, L., Medina-Aymerich, L., Diaz-Triste, N. E., Chavez-Pina, A. E., Castaneda-Hernandez, G. & Cruz-Antonio, L. (2017). Evidence against the participation of a pharmacokinetic interaction in the protective effect of single-dose curcumin against gastrointestinal damage induced by indomethacin in rats. [Journal of Integrative Medicine](#), 15(2), 151-157.
128. Osorio, D. M., Caicedo, J. C., Aperador, W., Benitez-Castro, A. M., Giraldo-Betancur, A. L., Munoz-Saldana, J., Yanez-Limon, J. M., Sanchez, O. & Zambrano, G. (2017). Characterization of mechanical properties and electrochemical behaviour in a Hank's solution of 316L/Cr1-xAlxN system. [Journal of Physics: Conference Series](#), 786(1), 012037.
129. Torres-Vega, G. (2017). Some real, periodic stationary solutions of the one-dimensional nonlinear Schrodinger equation for constant potentials. [Journal of Physics: Conference Series](#), 792, 012054.
130. Lopez-Buenfil, J. A., Ramirez-Pool, J. A., Ruiz-Medrano, R., Montes-Horcasitas, M. C., Chavarin-Palacio, C., Moya-Hinojosa, J., Trujillo-Arriaga, F. J., Lira-Carmona, R. & Xoconostle-Cazares, B. (2017). Dynamics of huanglongbing-associated bacterium candidatus liberibacter asiaticus in citrus aurantifolia Swingle (Mexican lime). [Pakistan Journal of Biological Sciences](#), 20(3), 113-123.
131. Andreuccetti, C., Galicia-Garcia, T., Gonzalez-Nunez, R., Martinez-Bustos, F. & Grosso, C. R. F. (2017). Native and modified gelatin films produced by casting, extrusion, and blowing extrusion processes. [Polymers From Renewable Resources](#), 8(1), 11-26.
132. Castaneda-Olvera, R., Leon-Silva, S., Robles-Belmont, E. & Lau, E. Z. (2017). Review of nanotechnology value chain for water treatment applications in Mexico. [Resource-Efficient Technologies](#), 3(1), 1-11.

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

133. Rodriguez-Callejas, J. D., Fuchs, E. & Perez-Cruz, C. (2017). Evidence of Tau Hyperphosphorylation and Dystrophic Microglia in the Common Marmoset (Vol 8, 315, 2016). [Frontiers in Aging Neuroscience](#), 9, 32.
134. Reyes-Gordillo, K., Shah, R. & Muriel, P. (2017). Oxidative Stress and Inflammation in Hepatic Diseases: Current and Future Therapy. [Oxidative Medicine and Cellular Longevity](#), 2017, 3140673.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

135. Gonzalez, O. H., Sotelo, J., Martinez-Palomo, A., Espinoza, M., Ordonez, G., Pineda, B. & Flores, J. (2017). Morphological Analysis of Varicella Zoster Virus-Like Particles in Fibroblast Cultures Inoculated With Csf From Patients With Relapsing-Remitting Multiple Sclerosis. [Multiple Sclerosis Journal](#), 23(1), 146 .

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

136. Morin, J. P., Rodriguez-Duran, L. F., Guzman-Ramos, K., Perez-Cruz, C., Ferreira, G., Diaz-Cintra, S. & Pacheco-Lopez, G. (2017). Palatable Hyper-Caloric Foods Impact on Neuronal Plasticity. [Frontiers in Behavioral Neuroscience](#), 11, 19.
137. Duran-Medina, Y., Diaz-Ramirez, D. & Marsch-Martinez, N. (2017). Cytokinins on the Move. [Frontiers in Plant Science](#), 8, 146.
138. Rashed, M. H., Bayraktar, E., Helal, G. K., Abd-Ellah, M. F., Amero, P., Chavez-Reyes, A. & Rodriguez-Aguayo, C. (2017). Exosomes: From garbage bins to promising therapeutic targets. [International Journal of Molecular Sciences](#), 18(3), 538.
139. Drago-Serrano, M. E., Campos-Rodriguez, R., Carrero, J. C. & Delagarza, M. (2017). Lactoferrin: Balancing ups and downs of inflammation due to microbial infections. [International Journal of Molecular Sciences](#), 18(3), 501.
140. Cruz-Martinez, H., Ruiz-Vega, J., Matadamas-Ortiz, P. T., Cortes-Martinez, C. I. & Rosas-Diaz, J. (2017). Formulation of Entomopathogenic Nematodes for Crop Pest Control - a Review. [Plant Protection Science](#), 53(1), 15-24.