

ARTÍCULOS DEL MES DE ABRIL DE 2016

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

- 1 Nava, P. & Vidal, J. E. (2016). The Cpal System Regulates Changes of the Trans-Epithelial Resistance of Human Enterocytes During Clostridium Perfringens Type C Infection. [Anaerobe](#), 39, 143-149.
- 2 Eliason, J. K., Vega-Flick, A., Hiraiwa, M., Khanolkar, A., Gan, T., Boechler, N., Fang, N., Nelson, K. A. & Maznev, A. A. (2016). Resonant Attenuation of Surface Acoustic Waves by a Disordered Monolayer of Microspheres. [Applied Physics Letters](#), 108(6), 061907.
- 3 Gervacio-Arciniega, J. J., Flores-Ruiz, F. J., Diliegros-Godines, C. J., Broitman, E., Enriquez-Flores, C. I., Espinoza-Beltran, F. J., Siqueiros, J. & Cruz, M. P. (2016). Nanofrictional Behavior of Amorphous, Polycrystalline and Textured Y-Cr-O Films. [Applied Surface Science](#), 378, 157-162.
- 4 Mancilla-Percino, T., Trejo-Munoz, C. R., Diaz-Gandarilla, J. A., Talamas-Rohana, P., Ramirez, J. E. G., Cervantes, J. & Ortiz, A. F. (2016). Isoindoline Derivatives of Alpha-Amino Acids as Cyclooxygenase 1 and 2 Inhibitors. [Archiv Der Pharmazie](#), 349(3), 175-185.
- 5 Alarcon-Riquelme, M. E., Ziegler, J. T., Molineros, J. et al. (2016). Genome-Wide Association Study in an Amerindian Ancestry Population Reveals Novel Systemic Lupus Erythematosus Risk Loci and the Role of European Admixture. [Arthritis & Rheumatology](#), 68(4), 932-943.
- 6 Klionsky, D. J., Abdelmohsen, K., Abe, A. et al. (2016). Guidelines for the Use and Interpretation of Assays for Monitoring Autophagy (3rd Edition). [Autophagy](#), 12(1), 1-222.
- 7 Cayetano-Cruz, M., Perez de los Santos, A. I., Garcia-Huante, Y., Santiago-Hernandez, A., Pavon-Orozco, P., Lopez y Lopez, V. E. & Hidalgo-Lara, M. E. (2016). High level expression of a recombinant xylanase by *Pichia pastoris* cultured in a bioreactor with methanol as the sole carbon source: Purification and biochemical characterization of the enzyme. [Biochemical Engineering Journal](#), 112, 161-169.
- 8 Navarrete-Vazquez, G., Austrich-Olivares, A., Godinez-Chaparro, B., Hidalgo-Figueroa, S., Estrada-Soto, S., Hernandez-Nunez, E., Torres-Gomez, H., Schepmann, D. & Wunsch, B. (2016). Discovery of 2-(3,4-Dichlorophenoxy)-N-(2-Morpholin-4-Ylethyl)Acetamide: a Selective Sigma(1) Receptor Ligand With Antinociceptive Effect. [Biomedicine & Pharmacotherapy](#), 79, 284-293.
- 9 Garcia-Tejeda, Y. V., Salinas-Moreno, Y., Hernandez-Martinez, A. R. & Martinez-Bustos, F. (2016). Encapsulation of Purple Maize Anthocyanins in Phosphorylated Starch by Spray Drying. [Cereal Chemistry](#), 93(2), 130-137.
- 10 Gutierrez, D. & Ramirez-Moreno, M. A. (2016). Assessing a Learning Process With Functional Anova Estimators of Eeg Power Spectral Densities. [Cognitive Neurodynamics](#), 10(2), 175-183.

11Brule, T., Caballero-Arango, D., Renan, X. & Colas-Marrufo, T. (2016). Confirmation of Functional Hermaphroditism in Six Grouper Species (Epinephelidae: Epinephelinae) From the Gulf of Mexico. *Cybium*, 40(1), 83-92.

12Pena-Caballero, V., Aguilar-Lopez, R., Lopez-Perez, P. A. & Neria-Gonzalez, M. I. (2016). Reduction of Cr(Vi) Utilizing Biogenic Sulfide: an Experimental and Mathematical Modeling Approach. *Desalination and Water Treatment*, 57(28), 13056-13065.

13Zuniga-Zamora, A., Garcia-Mena, J. & Cervantes-Gonzalez, E. (2016). Removal of Congo Red From the Aqueous Phase by Chitin and Chitosan From Waste Shrimp. *Desalination and Water Treatment*, 57(31), 14674-14685.

14Vazquez-Arreguin, R., Aguilar-Frutis, M., Falcony-Guajardo, C., Castaneda-Galvan, A., Mariscal-Becerra, L., Gallardo-Hernandez, S., Alarcon-Flores, G. & Garcia-Rocha, M. (2016). Electrical, Optical and Structural Properties of SnO₂:Sb:F Thin Films Deposited From Sn(Acac)(2) by Spray Pyrolysis. *Ecs Journal of Solid State Science and Technology*, 5(3), Q101-Q107.

15Garrido, J., Yu, W. & Li, X. (2016). Robot trajectory generation using modified hidden Markov model and Lloyd's algorithm in joint space. *Engineering Applications of Artificial Intelligence*, 53, 32-40.

16Manzano-Leon, N., Serrano-Lomelin, J., Sanchez, B. N. et al. (2016). Tnf Alpha and IL-6 Responses to Particulate Matter in Vitro: Variation According to Pm Size, Season, and Polycyclic Aromatic Hydrocarbon and Soil Content. *Environmental Health Perspectives*, 124(4), 406-412.

17Banuelos-Cabrera, I., Cuellar-Herrera, M., Velasco, A. L., Velasco, F., Alonso-Vanegas, M., Carmona, F., Guevara, R., Arias-Montano, J. A. & Rocha, L. (2016). Pharmacoresistant Temporal Lobe Epilepsy Modifies Histamine Turnover and H-3 Receptor Function in the Human Hippocampus and Temporal Neocortex. *Epilepsia*, 57(4), E76-E80.

18Cobos-Puc, L. E., Aguayo-Morales, H., Silva-Belmares, Y., Gonzalez-Zavala, M. A. & Centurion, D. (2016). Alpha(2a)-Adrenoceptors, but Not Nitric Oxide, Mediate the Peripheral Cardiac Sympatho-Inhibition of Moxonidine. *European Journal of Pharmacology*, 782, 35-43.

19Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Event Generator Tunes Obtained From Underlying Event and Multiparton Scattering Measurements. *European Physical Journal C*, 76(3), 155.

20Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Inclusive Quarkonium Production at Forward Rapidity in Pp Collisions at Root S=8 Tev. *European Physical Journal C*, 76(4), 184.

21Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Multiplicity and Transverse Momentum Evolution of Charge-Dependent Correlations in Pp, P-Pb, and Pb-Pb Collisions at the Lhc. *European Physical Journal C*, 76(2), 86.

22Gutierrez, J. C., Lozano, A., Manzano, A. & Flores, M. S. (2016). Numerical and Experimental Analysis for Shape Improvement of a Cruciform Composite Laminates Specimen. *Fibres & Textiles in Eastern Europe*, 24(2), 89-94.

- 23Urrutia-Ortega, I. M., Garduno-Balderas, L. G., Delgado-Buenrostro, N. L. et al. (2016). Food-grade titanium dioxide exposure exacerbates tumor formation in colitis associated cancer model. [Food and Chemical Toxicology](#), 93, 20-31.
- 24Dante, R. C., Sanchez-Arevalo, F. M., Chamorro-Posada, P. et al. (2016). Synthesis and Characterization of Cu-Doped Polymeric Carbon Nitride. [Fullerenes Nanotubes and Carbon Nanostructures](#), 24(3), 171-180.
- 25Balderrama, V. S., Avila-Herrera, F., Sanchez, J. G., Pallares, J., Vigil-Galan, O., Marsal, L. F. & Estrada, M. (2016). Organic Solar Cells Toward the Fabrication Under Air Environment. [Ieee Journal of Photovoltaics](#), 6(2), 491-497.
- 26Reyes, A. & Lopez, I. (2016). Dense Correspondence Using Local Regions With Affine Transformations. [Ieee Latin America Transactions](#), 14(2), 893-898.
- 27Elizondo, J. C., Ramirez, G., Rodriguez, E. & Martinez, J. R. (2016). Multi-Robot Exploration Using Self-Biddings Under Constraints on Communication Range. [Ieee Latin America Transactions](#), 14(2), 971-982.
- 28Guerrero, E., Sira, H., Martinez, A., Linares, J. & Guzman, E. (2016). On the Robust Control of Parallel-Cascade Dc/Dc Buck Converter. [Ieee Latin America Transactions](#), 14(2), 595-601.
- 29Lopez, I., Garza, P. C., Benitez, H., Rios, R. & Duran, A. (2016). Reconfiguration Distributed Objects in an Intelligent Manufacturing Cell. [Ieee Latin America Transactions](#), 14(1), 136-146.
- 30Gutierrez, L. F., Cervantes, F., Vargas, S., Torres, G. & Ramos, F. (2016). Simplifying the Design of Interactive Simulations of Deformable Objects. [Ieee Latin America Transactions](#), 14(1), 391-397.
- 31Hernandez, I. A., Canedo, J. M., Olivares-Galvan, J. C. & Betancourt, E. (2016). Novel Technique to Compute the Leakage Reactance of Three-Phase Power Transformers. [Ieee Transactions on Power Delivery](#), 31(2), 437-444.
- 32Serna, J. A. D., Ramirez, J. M., Mendez, A. Z. & Paternina, M. R. A. (2016). Identification of Electromechanical Modes Based on the Digital Taylor-Fourier Transform. [Ieee Transactions on Power Systems](#), 31(1), 206-215.
- 33Zhermolenko, V. N. & Poznyak, A. S. (2016). Necessary and Sufficient Conditions for Stabilizability of Planar Parametrically Perturbed Control Systems. [Ima Journal of Mathematical Control and Information](#), 33(1), 53-68.
- 34Cruz-Morales, R. D., Velasco-Villa, M., Castro-Linares, R. & Palacios-Hernandez, E. R. (2016). Leader-Follower Formation for Nonholonomic Mobile Robots: Discrete-Time Approach. [International Journal of Advanced Robotic Systems](#), 13, 46.
- 35Sanz, F. A., Ramirez, J. M. & Posada, J. (2016). Statistical method for on-line voltage collapse proximity estimation. [International Journal of Electrical Power & Energy Systems](#), 82, 392-399.

- 36Puga, S., Bonilla, M., Malabre, M., Mondie, S. & Lozano, R. (2016). Singularly Perturbed Implicit Control Law for Linear Time-Varying Delay Mimo Systems. [International Journal of Robust and Nonlinear Control](#), 26(7), 1395-1421.
- 37Alburquerque, D., Troncoso, L., Denardin, J. C., Butera, A., Padmasree, K. D., Ortiz, J., Herrera, F., Marco, J. F. & Gautier, J. L. (2016). Structural and Physicochemical Properties of Nickel Manganite NiMn_2o_4 -Delta Synthesized by Sol-Gel and Ultra Sound Assisted Methods. [Journal of Alloys and Compounds](#), 672, 307-316.
- 38Jimenez-Bueno, N. G., Valenzuela-Encinas, C., Marsch, R., Ortiz-Gutierrez, D., Verhulst, N., Govaerts, B., Dendooven, L. & Navarro-Noya, Y. E. (2016). Bacterial Indicator Taxa in Soils Under Different Long-Term Agricultural Management. [Journal of Applied Microbiology](#), 120(4), 921-933.
- 39Chavez-Vargas, L., Adame-Garcia, S. R., Cervantes-Villagrana, R. D. et al. (2016). Protein Kinase a (Pka) Type I Interacts With P-Rex1, a Rac Guanine Nucleotide Exchange Factor: Effect on Pka Localization and P-Rex1 Signaling. [Journal of Biological Chemistry](#), 291(12), 6182-6199.
- 40Martinez-Aguilar, L., Lezama-Martinez, D., Orozco-Cortes, N. V., Gonzalez-Espinosa, C., Flores-Monroy, J. & Valencia-Hernandez, I. (2016). Antihypertensive Properties of a Novel Morphologic Derivative (4-Tert-Butyl-2,6-Bis(Thiomorpholine-4-Ilmethyl)Phenol). [Journal of Cardiovascular Pharmacology](#), 67(3), 246-251.
- 41Ramos, F., Flores, H., Rojas, A., Hernandez-Perez, J. M., Camarillo, E. A. & Amador, M. P. (2016). Experimental and Computational Thermochemical Study of Benzofuran, Benzothiophene and Indole Derivatives. [Journal of Chemical Thermodynamics](#), 97, 297-306.
- 42Silva, R., Mendoza, E., Marino-Tapia, I., Martinez, M. L. & Escalante, E. (2016). An Artificial Reef Improves Coastal Protection and Provides a Base for Coral Recovery. [Journal of Coastal Research](#), (SI(75)), 467-471.
- 43Gallegos, D. B. G., Marino-Tapia, I. & Levinson, A. V. (2016). Effects of Gravity Waves on Turbulence and Processes That Contribute to Mixing at a Submarine Groundwater Discharge. [Journal of Coastal Research](#), (SI(75)), 856-860.
- 44Vital-Jacome, M., Buitron, G., Moreno-Andrade, I., Garcia-Rea, V. & Thalasso, F. (2016). Microrespirometric Determination of the Effectiveness Factor and Biodegradation Kinetics of Aerobic Granules Degrading 4-Chlorophenol as the Sole Carbon Source. [Journal of Hazardous Materials](#), 313, 112-121.
- 45Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Measurement of D-S(+) Product Ion and Nuclear Modification Factor in Pb-Pb Collisions at Root S-Nn=2.76 Tev. [Journal of High Energy Physics](#), (3), 082.
- 46Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Transverse Momentum Dependence of D-Meson Production in Pb-Pb Collisions at Root S-Nn=2.76 Tev. [Journal of High Energy Physics](#), (3), 081.

- 47Lara, V. H., Fuentes, L. G., Alvarado, O. C., Rodriguez, A. S. & Sanchez, E. G. (2016). Hot Ductility of the 17-4 Ph Stainless Steels. [Journal of Materials Engineering and Performance](#), 25(3), 1041-1046.
- 48Suarez-Moreno, G. V., Xotlanihua-Flores, A., Vela, A., Contreras, R. & Flores-Parra, A. (2016). Theoretical Approach to the Conformational Analyses of Dithiazinane, Thiadiazinane and Triazinane, Their N-Borane Adducts and N-H Cations. [Journal of Molecular Structure](#), 1113, 112-126.
- 49Mendez-Medrano, M. G., Kowalska, E., Lehoux, A. et al. (2016). Surface Modification of TiO₂ With Ag Nanoparticles and CuO Nanoclusters for Application in Photocatalysis. [Journal of Physical Chemistry C](#), 120(9), 5143-5154.
- 50Aranda, J. I., Cortes-Maldonado, I., Ramirez-Zavaleta, F. & Tututi, E. S. (2016). The Z(H) → Gamma H Decay in the Littlest Higgs Model. [Journal of Physics G-Nuclear and Particle Physics](#), 43(2), 025002.
- 51Garcia-Perez, M. C. & Lopez, M. G. (2016). Factors Affecting Fructosyltransferases and Fructan Exohydrolase Activities in Agave Tequilana Weber Var. Azul. [Journal of Plant Biochemistry and Biotechnology](#), 25(2), 147-154.
- 52Delgado-Aguinaga, J. A., Begovich, O. & Besancon, G. (2016). Exact-Differentiation-Based Leak Detection and Isolation in a Plastic Pipeline Under Temperature Variations. [Journal of Process Control](#), 42, 114-124.
- 53Minjarez, B., Calderon-Gonzalez, K. G., Rustarazo, M. L. V., Herrera-Aguirre, M. E., Labra-Barrios, M. L., Rincon-Limas, D. E., Del Pino, M. M. S., Mena, R. & Luna-Arias, J. P. (2016). Identification of Proteins That Are Differentially Expressed in Brains With Alzheimer's Disease Using iTRAQ Labeling and Tandem Mass Spectrometry. [Journal of Proteomics](#), 139, 103-121.
- 54Torres-Huitzil, C. (2016). Fpga-Based Fast Computation of Gray-Level Morphological Granulometries. [Journal of Real-Time Image Processing](#), 11(3), 547-557.
- 55Quezada-Naquid, M., Marcellin-Jimenez, R., Gonzalez-Compean, J. L. & Perez, J. C. (2016). RS-Pooling: an Adaptive Data Distribution Strategy for Fault-Tolerant and Large-Scale Storage Systems. [Journal of Supercomputing](#), 72(2), 417-437.
- 56Pfeiler, E., Laclette, M. R. L. & Markow, T. A. (2016). Butterfly Biodiversity in a Threatened Coastal Desert Ecosystem of Northwestern Mexico, With a Focus on the Life History and Ecology of Potentially Endangered Species. [Journal of the Lepidopterists Society](#), 70(1), 47-60.
- 57Broitman, E., Flores-Ruiz, F. J., Di Giulio, M., Gontad, F., Lorusso, A. & Perrone, A. (2016). Microstructural, Nanomechanical, and Microtribological Properties of Pb Thin Films Prepared by Pulsed Laser Deposition and Thermal Evaporation Techniques. [Journal of Vacuum Science & Technology a](#), 34(2), 021505.

58 Beltran-Carbajal, F., Silva-Navarro, G. & Vazquez-Gonzalez, B. (2016). Multi-Frequency Harmonic Vibration Suppression on Mass-Spring-Damper Systems Using Active Vibration Absorbers. [Journal of Vibration Engineering & Technologies](#), 4(1), 1-12.

59 Rodriguez-Andrade, M. A., Aragon-Gonzalez, G. & Aragon, J. L. (2016). The Generation of All Rational Orthogonal Matrices in Rp,Q. [Linear Algebra and Its Applications](#), 496, 101-113.

60 Garcia-Rodriguez, R., Villanueva-Cab, J., Anta, J. A. & Oskam, G. (2016). A Critical Evaluation of the Influence of the Dark Exchange Current on the Performance of Dye-Sensitized Solar Cells. [Materials](#), 9(1), 33.

61 Gomez-Pozos, H., Arredondo, E. J. L., Alvarez, A. M., Biswal, R., Kudriavtsev, Y., Perez, J. V., Casallas-Moreno, Y. L. & Amador, M. D. O. (2016). Cu-Doped ZnO Thin Films Deposited by a Sol-Gel Process Using Two Copper Precursors: Gas-Sensing Performance in a Propane Atmosphere. [Materials](#), 9(2), 87.

62 Marquez-Herrera, A., Ovando-Medina, V. M., Castillo-Reyes, B. E., Zapata-Torres, M., Melendez-Lira, M. & Gonzalez-Castaneda, J. (2016). Facile Synthesis of SrCo₃-Sr(OH)₂/Ppy Nanocomposite With Enhanced Photocatalytic Activity Under Visible Light. [Materials](#), 9(1), 30.

63 Kumar, B., Smita, K., Cumbal, L., Camacho, J., Hernandez-Gallegos, E., Chavez-Lopez, M. D., Grijalva, M. & Andrade, K. (2016). One Pot Phytosynthesis of Gold Nanoparticles Using Genipa Americana Fruit Extract and Its Biological Applications. [Materials Science & Engineering C-Materials for Biological Applications](#), 62, 725-731.

64 Gamboa, F., Lopez, A., Aviles, F., Corona, J. E. & Oliva, A. I. (2016). A Vibrating Reed Apparatus to Measure the Natural Frequency of Multilayered Thin Films. [Measurement Science and Technology](#), 27(4), 045002.

65 Hernandez, S. I. D., Puerta-Guardo, H. N., Aguilar, H. F., Mateos, S. G., Martinez, I. L., Ortiz-Navarrete, V., Ludert, J. E. & Del Angel, R. M. (2016). Primary Dengue Virus Infections Induce Differential Cytokine Production in Mexican Patients. [Memorias Do Instituto Oswaldo Cruz](#), 111(3), 161-U79.

66 Flores-Sanchez, I. J., Paniagua-Vega, D., Vera-Reyes, I., Cerda-Garcia-Rojas, C. M. & Ramos-Valdivia, A. C. (2016). Alkaloid Biosynthesis and Metabolic Profiling Responses to Jasmonic Acid Elicitation in Hamelia Patens Plants by Nmr-Based Metabolomics. [Metabolomics](#), 12(4), 66.

67 Abarca-Jimenez, G. S., Reyes-Barranca, M. A., Mendoza-Acevedo, S., Munguia-Cervantes, J. E. & Aleman-Arce, M. A. (2016). Electromechanical Modeling and Simulation by the Euler-Lagrange Method of a Mems Inertial Sensor Using a Fgmos as a Transducer. [Microsystem Technologies-Micro-and Nanosystems-Information Storage and Processing Systems](#), 22(4), 767-775.

68 Rodriguez, V. M., Limon-Pacheco, J. H., Del Razo, L. M. & Giordano, M. (2016). Effects of Inorganic Arsenic Exposure on Glucose Transporters and Insulin Receptor in the Hippocampus of C57bl/6 Male Mice. [Neurotoxicology and Teratology](#), 54, 68-77.

- 69 Mendoza-Galvan, A., Munoz-Pineda, E., Jarrendahl, K. & Arwin, H. (2016). Birefringence of Nanocrystalline Chitin Films Studied by Mueller-Matrix Spectroscopic Ellipsometry. [Optical Materials Express](#), 6(2), 671-681.
- 70 Garcia, P. & Poznyak, A. (2016). Multi-Model Lq-Constrained Min-Max Control. [Optimal Control Applications & Methods](#), 37(2), 359-380.
- 71 Vazquez-Delfin, E., Boo, G. H., Rodriguez, D., Boo, S. M. & Robledo, D. (2016). Hypnea Musciformis (Cystocloniaceae) From the Yucatan Peninsula: Morphological Variability in Relation to Life-Cycle Phase. [Phycologia](#), 55(2), 230-242.
- 72 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Centrality Dependence of the Nuclear Modification Factor of Charged Pions, Kaons, and Protons in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physical Review C](#), 93(3), 034913.
- 73 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Event-Shape Engineering for Inclusive Spectra and Elliptic Flow in Pb-Pb Collisions at Root(Nn)-N-S=2.76 Tev. [Physical Review C](#), 93(3), 034916.
- 74 Aab, A., Abreu, P., Aglietta, M. et al. (2016). Azimuthal Asymmetry in the Risetime of the Surface Detector Signals of the Pierre Auger Observatory. [Physical Review D](#), 93(7), 072006.
- 75 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of the Top Quark Mass Using Proton-Proton Data at Root(S)=7. [Physical Review D](#), 93(7), 072004.
- 76 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurements of T(T)Over-Bar Spin Correlations and Top Quark Polarization Using Dilepton Final States in Pp Collisions at Root S=8 Tev. [Physical Review D](#), 93(5), 052007.
- 77 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Dark Matter and Unparticles Produced in Association With a Z Boson in Proton-Proton Collisions at Root S=8 Tev. [Physical Review D](#), 93(5), 052011.
- 78 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2016). Study of Double Parton Interactions in Diphoton Plus Dijet Events in P<(P)Over Bar> Collisions at Root S = 1.96 Tev. [Physical Review D](#), 93(5), 052008.
- 79 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Anisotropic Flow of Charged Particles in Pb-Pb Collisions at Root S-Nn=5.02 Tev. [Physical Review Letters](#), 116(13), 132302.
- 80 Garcia-Castro, A. C., Romero, A. H. & Bousquet, E. (2016). Strain-Engineered Multiferroicity in Pnma Namnf3 Fluoroperovskite. [Physical Review Letters](#), 116(11), 117202.
- 81 Talavera-Aleman, A., Rodriguez-Garcia, G., Lopez, Y., Garcia-Gutierrez, H. A., Torres-Valencia, J. M., Del Rio, R. E., Cerda-Garcia-Rojas, C. M., Joseph-Nathan, P. & Gomez-Hurtado, M. A. (2016). Systematic Evaluation of Thymol Derivatives Possessing Stereogenic or Prostereogenic Centers. [Phytochemistry Reviews](#), 15(2), 251-277.

82Camelo-Mendez, G. A., Jara-Palacios, M. J., Escudero-Gilete, M. L., Gordillo, B., Hernanz, D., Paredes-Lopez, O., Vanegas-Espinoza, P. E., Del Villar-Martinez, A. A. & Heredia, F. J. (2016). Comparative Study of Phenolic Profile, Antioxidant Capacity, and Color-Composition Relation of Roselle Cultivars With Contrasting Pigmentation. [Plant Foods for Human Nutrition](#), 71(1), 109-114.

83Gonzalez-Brambila, C. N., Reyes-Gonzalez, L., Veloso, F. & Perez-Angon, M. A. (2016). The Scientific Impact of Developing Nations. [Plos One](#), 11(3), e0151328.

84Madera-Santana, T. J., Melendrez, R., Gonzalez-Garcia, G., Quintana-Owen, P. & Pillai, S. D. (2016). Effect of Gamma Irradiation on Physicochemical Properties of Commercial Poly(Lactic Acid) Clamshell for Food Packaging. [Radiation Physics and Chemistry](#), 123, 6-13.

85Gutierrez-Giles, A., Arteaga-Perez, M. A. & Sira-Ramirez, H. (2016). Generalized Proportional Integral Observer-Based Force Control in Robot Manipulators. [Revista Iberoamericana De Automatica E Informatica Industrial](#), 13(2), 238-246.

86Liu, L., Moreno, D., Osorio, E., Castro, A. C., Pan, S., Chattaraj, P. K., Heine, T. & Merino, G. (2016). Structure and Bonding of Irb12-: Converting a Rigid Boron B-12 Platelet to a Wankel Motor. [Rsc Advances](#), 6(32), 27177-27182.

87Pineda-Belmontes, C. P., Hernandez-Ramirez, R. U., Hernandez-Alcaraz, C., Cebrian, M. E. & Lopez-Carrillo, L. (2016). Genetic Polymorphisms of Ppar Gamma, Arsenic Methylation Capacity and Breast Cancer Risk in Mexican Women. [Salud Publica De Mexico](#), 58(2), 220-227.

88Zavala, G., Nebro, A. J., Luna, F. & Coello, C. A. C. (2016). Structural Design Using Multi-Objective Metaheuristics. Comparative Study and Application to a Real-World Problem. [Structural and Multidisciplinary Optimization](#), 53(3), 545-566.

89Hernandez-Hernandez, E. M., Serrano-Garcia, C., Vazquez-Roque, R. A., Diaz, A., Monroy, E., Rodriguez-Moreno, A., Floran, B. & Flores, G. (2016). Chronic Administration of Resveratrol Prevents Morphological Changes in Prefrontal Cortex and Hippocampus of Aged Rats. [Synapse](#), 70(5), 206-217.

90Oliva, M. & Montiel, S. (2016). Stakeholder Linkage in Conservation Strategies: a Qualitative Tool for Improving the Management of a Biosphere Reserve in the Yucatan Peninsula, Mexic. [Tropical Conservation Science](#), 9(1), 423-438.

91Mendez, O. & Galvan-Magana, F. (2016). Cestodes of the Blue Shark, *Prionace Glauca* (Linnaeus 1758), (Carcharhiniformes: Carcharhinidae), Off the West Coast of Baja California Sur, Mexico. [Zootaxa](#), 4085(3), 438-444.

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

92 Gallegos, E., Baltazar, A. & Treesatayapun, C. (2016). Neuro Fuzzy Force Control for Soft Dry Contact Hertzian Ultrasonic Probe. [Aip Conference Proceedings](#), 1706, 180010.

93 Ortiz-Vazquez, I. C., Perez-Robles, J. F., De La Torre-Gea, G. A., Fernandez-Loyola, R. & Perez-Brito, J. F. (2016). A Multivariable Computational Fluid Dynamics Analysis Method Based in Bayesian Networks Applied in a Biorreactor. *Journal of Applied Chemical Science International*, 6(1), 10-17.

94 Reyes, I., Iddings, A. C. D. & Feller, N. (2016). Building Relationships With Diverse Students and Families: a Funds of Knowledge Perspective. *Journal of Early Childhood Literacy*, 16(1), 8-33.

95 Norberto, C., Gonzalez-Brambila, C. N. & Matsumoto, Y. (2016). Systematic Analysis of Factors Affecting Solar Pv Deployment. *Journal of Energy Storage*, 6, 163-172.

96 Morales-Luna, M., Arvizu, M. A., Granqvist, C. G. & Niklasson, G. A. (2016). Sputter Deposited W1-X-Ynixtiyo3 Thin Films: Electrochromic Properties and Durability. *Journal of Physics Conference Series*, 682, 012021.

97 Healy, L., Ramos, E. B., Fernandes, S. & Peixoto, J. L. B. (2016). Mathematics in the Hands of Deaf Learners and Blind Learners: Visual-Gestural-Somatic Means of Doing and Expressing Mathematics. *New Icmi Study Series*, 141-162.

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

98 Alvarez-Venegas, R. & De-La-Pena, C. (2016). Editorial: Recent Advances of Epigenetics in Crop Biotechnology. *Frontiers in Plant Science*, 7, 413.

99 Levin, M., Anavy, L., Cole, A. G. et al. (2016). The Mid-Developmental Transition and the Evolution of Animal Body Plans. *Nature*, 531(7596), 637-+.

100 Muriel, P. & Gordillo, K. R. (2016). Role of Oxidative Stress in Liver Health and Disease. *Oxidative Medicine and Cellular Longevity*, 2016, 9037051.

101 Mesquita, R. D., Vionette-Amaral, R. J., Lowenberger, C. et al. (2016). Genome of Rhodnius Prolixus, an Insect Vector of Chagas Disease, Reveals Unique Adaptations to Hematophagy and Parasite Infection (Vol 112, Pg 14936, 2015). *Proceedings of the National Academy of Sciences of the United States of America*, 113(10), E1415-E1416.

102 Ramirez-Puebla, S. T., Servin-Garciduenas, L. E., Ormeno-Orrillo, E., Vera-Ponce de Leon, A., Rosenblueth, M., Delaye, L., Martinez, J. & Martinez-Romero, E. (2016). A Response to Lindsey Et Al. "Wolbachia Pipiensis Should Not Be Split Into Multiple Species: a Response to Ramirez-Puebla Et Al.". *Systematic and Applied Microbiology*, 39(3), 223-225.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

103 Azcorra, H., Dickinson, F. & Banik, S. D. (2016). Maternal Height, Children's Birth Weight and Adiposity in a Sample of 6 to 10 Years of Age. *American Journal of Human Biology*, 28(2), 268.

104 Banik, S. D., Salehabadi, S. M. & Dickinson, F. (2016). Preece Baines Model 1 to Estimate Height and Knee Height Growth in Boys and Girls From Merida, Mexico. *American Journal of Human Biology*, 28(2), 273-274.

105Vergara-Porras, B., Perez-Guevara, F. & Gracida-Rodriguez, J. N. (2016). Study of Thermal, Crystalline, Tensile and Biodegradation Properties of 70/30 Poly(Beta-Hydroxybutyrate/Poly(Epsilon-Caprolactone) Melt-Mixed Blends: the Influence of Compression Molding Conditions. [New Biotechnology](#), 33(3), 428.

106Vergara-Porras, B., Perez-Guevara, F. & Gracida-Rodriguez, J. N. (2016). Using Morphological Structure of Penicillium Funiculosum as a Bioavailability Index During the Biodegradation of Phb, Pcl and Their Blends. [New Biotechnology](#), 33(3), 411.

107Kyathanahalli, C. N., Arenas-Hernandez, M., Pancharatnam, J., Lopez, N. G. & Condon, J. C. (2016). Endoplasmic Reticulum Stress and Unfolded Protein Response Profile in Peripheral Blood Mononuclear Cells May Predict Timing of the Onset of Labor. [Reproductive Sciences](#), 23, 206A.

108Arenas-Hernandez, M., Romero, R., Furcron, A. E., Mial, T. N., Panaitescu, B., Hassan, S. S. & Gomez-Lopez, N. (2016). Human Chorionic Gonadotropin Administration Prevents Endotoxin-Induced Preterm Birth but Causes Dystocia and Fetal Compromise. [Reproductive Sciences](#), 23, 292A.

109Yu, J., Berga, S. L., Yook, G., Pan, J. C., Andrade, A. A., Johnston-Macananny, E. B. & Taylor, R. N. (2016). IL-1 Beta Disrupts Morphological and Biochemical Differentiation of Human Endometrial Stromal Cells: Potential Role in Infertility. [Reproductive Sciences](#), 23, 247A-248A.

110Ramaranarayanan, S., Arenas-Hernandez, M., Ingles, J., Gomez-Lopez, N., Jeyasuria, P. & Condon, J. C. (2016). Lps Induces Extensive Apoptosis in the Placental and Endometrial Compartment Independent of the Endoplasmic Reticulum Stress Response in Vivo. [Reproductive Sciences](#), 23, 295A.

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

111Garcia-Sanchez, J. L., Jimenez-Saab, N. G., Guerrero-Gonzalez, J., Elizalde-Barrera, C. I., Reyna-Ramirez, M. D., Rubio-Sanchez, M. E., Ledesma-Velazquez, A. & Montano-Alonso, E. A. (2016). Hyperleptinemia Associated With Ischemic Stroke (Cva). [Gaceta Medica De Mexico](#), 152(1), 78-86.

112Garcia-Galvez, A. M. & Arias-Montano, J. A. (2016). Isoforms of the Human Histamine H-3 Receptor: Generation, Expression in the Central Nervous System (Cns) and Functional Implications. [Gaceta Medica De Mexico](#), 152(1), 94-102.

113Ramirez, A., Vazquez-Sanchez, A. Y., Carrion-Robalino, N. & Camacho, J. (2016). Ion Channels and Oxidative Stress as a Potential Link for the Diagnosis or Treatment of Liver Diseases. [Oxidative Medicine and Cellular Longevity](#), 2016, 3928714.

ARTÍCULOS DEL MES DE MAYO DE 2016

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

- 1 Makhniy, V. P., Horley, P. P., Vorobiev, Y. V. & Kinzerska, O. V. (2016). Optical Properties of ZnSe(Te) With Ytterbium Impurity. [Applied Optics](#), 55(12), B1-B3.
- 2 Rincon-Lopez, J. A., Fernandez-Benavides, D. A., Giraldo-Betancur, A. L., Cruz-Munoz, B., Riascos, H. & Munoz-Saldana, J. (2016). Bi4Si3O12 Thin Films for Scintillator Applications. [Applied Physics a-Materials Science & Processing](#), 122(4), 429.
- 3 Jimenez-Perez, J. L., Pincel, P. V., Cruz-Orea, A. & Correa-Pacheco, Z. N. (2016). Thermal Characterization of a Liquid Resin for 3d Printing Using Photothermal Techniques. [Applied Physics a-Materials Science & Processing](#), 122(5), 556.
- 4 Verduzco-Castro, E. A., Michalska, K., Endres, M. et al. (2016). Co-Occurrence of Analogous Enzymes Determines Evolution of a Novel (Beta Alpha)(8)-Isomerase Sub-Family After Non-Conserved Mutations in Flexible Loop. [Biochemical Journal](#), 473(9), 1141-1152.
- 5 Perez-Pimienta, J. A., Poggi-Varaldo, H. M., Ponce-Noyola, T., Ramos-Valdivia, A. C., Chavez-Carvayar, J. A., Stavila, V. & Simmons, B. A. (2016). Fractional pretreatment of raw and calcium oxalate-extracted agave bagasse using ionic liquid and alkaline hydrogen peroxide. [Biomass and Bioenergy](#), 91, 48-55.
- 6 Alvarez-Buylla, E. R., Davila-Velderrain, J. & Martinez-Garcia, J. C. (2016). Systems Biology Approaches to Development Beyond Bioinformatics: Nonlinear Mechanistic Models Using Plant Systems. [Bioscience](#), 66(5), 371-383.
- 7 Rojas-Rejon, O. A., Poggi-Varaldo, H. M., Ramos-Valdivia, A. C., Ponce-Noyola, T., Cristiani-Urbina, E., Martinez, A. & De La Torre, M. (2016). Enzymatic Saccharification of Sugar Cane Bagasse by Continuous Xylanase and Cellulase Production From Cellulomonas Flavigena Pr-22. [Biotechnology Progress](#), 32(2), 321-326.
- 8 Hernandez-Cumplido, J., Forter, B., Moreira, X., Heil, M. & Benrey, B. (2016). Induced Floral and Extrafloral Nectar Production Affect Ant-Pollinator Interactions and Plant Fitness. [Biotropica](#), 48(3), 342-348.
- 9 Gomez-Garcia, M. D. & Ochoa-Alejo, N. (2016). Predominant Role of the L-Galactose Pathway in L-Ascorbic Acid Biosynthesis in Fruits and Leaves of the Capsicum Annum L. Chili Pepper. [Brazilian Journal of Botany](#), 39(1), 157-168.
- 10 May-Ku, M. A., Kuk-Dzul, J. G., Herrera-Dorantes, T. & Ardisson, P. L. (2016). Density and Depth Distribution of the Sympatric Species Squilla Chydaea and Squilla Empusa (Stomatopoda: Squillidae) in the Southern Gulf of Mexico. [Bulletin of Marine Science](#), 92(2), 181-190.

- 11 Winfield, I., Ortiz, M. & Ardisson, P. L. (2016). Two New Species (Amphipoda, Senticaudata, Corophiida) From the Continental Slope and Abyssal Plain of the Gulf of Mexico. [Bulletin of Marine Science](#), 92(2), 243-255.
- 12 Estudillo, E., Zavala, P., Perez-Sanchez, G., Ayala-Sarmiento, A. E. & Segovia, J. (2016). Gas1 Is Present in Germinal Niches of Developing Dentate Gyrus and Cortex. [Cell and Tissue Research](#), 364(2), 369-384.
- 13 Moreno-Lorenzana, D., Aviles-Vazquez, S., Sandoval-Esquivel, M. A., Alvarado-Moreno, A., Ortiz-Navarrete, V., Torres-Martinez, H., Ayala-Sanchez, M., Mayani, H. & Chavez-Gonzalez, A. (2016). CDKIs p18(INK4c) and p57(Kip2) are involved in quiescence of CML leukemic stem cells after treatment with TKI. [Cell Cycle](#), 15(9), 1276-1287.
- 14 Marquez, A., Rodriguez-Perez, M. J., Anta, J. A., Rodriguez-Gattorno, G., Bourret, G. R., Oskam, G. & Berger, T. (2016). Defects in Porous Networks of Wo₃ Particle Aggregates. [Chemelectrochem](#), 3(4), 658-667.
- 15 Ortega, A. R., Sanchez-Castellanos, M., Perez-Hernandez, N., Robles-Zepeda, R. E., Joseph-Nathan, P. & Quijano, L. (2016). Relative Stereochemistry and Absolute Configuration of Farinosin, a Eudesmanolide From Encelia Farinosa. [Chirality](#), 28(5), 415-419.
- 16 Garcia-Garcia, E., Staines-Boone, A. T., Vargas-Hernandez, A. et al. (2016). Clinical and Mutational Features of X-Linked Agammaglobulinemia in Mexico. [Clinical Immunology](#), 165, 38-44.
- 17 Cervantes, J. A., Rodriguez, L. F., Lopez, S., Ramos, F. & Robles, F. (2016). Autonomous Agents and Ethical Decision-Making. [Cognitive Computation](#), 8(2), 278-296.
- 18 Martinez-Lopez, R. & Escalante-Garcia, J. I. (2016). Alkali activated composite binders of waste silica soda lime glass and blast furnace slag: Strength as a function of the composition. [Construction and Building Materials](#), 119, 119-129.
- 19 Izaguirre-Espinosa, C., Munoz-Vazquez, A. J., Sanchez-Orta, A., Parra-Vega, V. & Sanahuja, G. (2016). Fractional attitude-reactive control for robust quadrotor position stabilization without resolving underactuation. [Control Engineering Practice](#), 53, 47-56.
- 20 Mascotte-Cruz, J. U., Rios, A. & Escalante, B. (2016). Combined Effects of Flow-Induced Shear Stress and Electromagnetic Field on Neural Differentiation of Mesenchymal Stem Cells. [Electromagnetic Biology and Medicine](#), 35(2), 161-166.
- 21 Khamkure, S., Cervantes, E. P., Melo, P. G. & Gonzalez, A. Z. (2016). Effect of Clay Soil Content on Fecal Bacteria Removal in an Intermittent Media Infiltration System. [Environmental Engineering and Management Journal](#), 15(1), 113-121.
- 22 Silva-Martinez, G. A., Rodriguez-Rios, D., Alvarado-Caudillo, Y. et al. (2016). Arachidonic and Oleic Acid Exert Distinct Effects on the Dna Methylome. [Epigenetics](#), 11(5), 321-334.

- 23 Santamaria-Herrera, M. A., Rios-Perez, E. B., De La Rosa, J. A. M., Garcia-Castaneda, M., Osornio-Garduno, D. S., Ramos-Mondragon, R., Mancilla-Percino, T. & Avila, G. (2016). Mdimp, a Novel Cardiac Ca₂₊ Channel Blocker With Atrial Selectivity. [European Journal of Pharmacology](#), 781, 218-228.
- 24 Vidal-Cantu, G. C., Jimenez-Hernandez, M., Rocha-Gonzalez, H. I., Villalon, C. M., Granados-Soto, V. & Munoz-Islas, E. (2016). Role of 5-HT_{5a} and 5-HT_{1b/1d} Receptors in the Antinociception Produced by Ergotamine and Valerenic Acid in the Rat Formalin Test. [European Journal of Pharmacology](#), 781, 109-116.
- 25 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of the T(T)Over-Bar Production Cross Section in the All-Jets Final State in Pp Collisions at Root S=8tev. [European Physical Journal C](#), 76(3), 128.
- 26 Gomez-Conde, E., Vargas-Mejia, M. A., Diaz-Orea, M. A., Hernandez-Rivas, R., Cardenas-Perea, M. E., Guerrero-Gonzalez, T., Gonzalez-Barrios, J. A. & Montiel-Jarquin, A. J. (2016). Detection of beta-tubulin in the cytoplasm of the interphasic Entamoeba histolytica trophozoites. [Experimental Parasitology](#), 167, 38-42.
- 27 Romero-Espejel, M. E., Rodriguez, M. A., Chavez-Munguia, B., Rios-Castro, E. & Olivares-Trejo, J. J. (2016). Characterization of Spbhp-37, a Hemoglobin-Binding Protein of Streptococcus pneumoniae. [Frontiers in Cellular and Infection Microbiology](#), 6, 47.
- 28 Rodriguez-Rodriguez, C., Nava-Alonso, F., Uribe-Salas, A. & Vinals, J. (2016). Pyrargyrite (Ag₃SbS₃): Silver and antimony dissolution by ozone oxidation in acid media. [Hydrometallurgy](#), 164, 15-23.
- 29 Morales-Sandoval, M. & Diaz-Perez, A. (2016). Scalable Gf(P) Montgomery Multiplier Based on a Digit-Digit Computation Approach. [Iet Computers and Digital Techniques](#), 10(3), 102-109.
- 30 Izaguirre-Espinosa, C., Munoz-Vazquez, A. J., Sanchez-Orta, A., Parra-Vega, V. & Castillo, P. (2016). Attitude Control of Quadrotors Based on Fractional Sliding Modes: Theory and Experiments. [Iet Control Theory and Applications](#), 10(7), 825-832.
- 31 David, P. E., Benjamin, S. G. L., De La Luz, S. G. M., Sonia, L. G., Delia Eaea, Julieta, L. H. & Del Carmen, V. M. M. (2016). Effect of Neem (Azadirachta Indicia A. Juss.) Leaf Extracts in Human T Lymphocytes. [Indian Journal of Traditional Knowledge](#), 15(2), 219-222.
- 32 Cespedes, C. L., Lina-Garcia, L., Kubo, I., Salazar, J. R., Ariza-Castolo, A., Alarcon, J., Aqueveque, P., Werner, E. & Seigler, D. S. (2016). Calceolaria integrifolia s.l. complex, reduces feeding and growth of Acanthoscelides obtectus, and Epilachna varivestis. A new source of bioactive compounds against dry bean pests. [Industrial Crops and Products](#), 89, 257-267.
- 33 Santillan, M. (2016). Periodic Forcing of a 555-Ic Based Electronic Oscillator in the Strong Coupling Limit. [International Journal of Bifurcation and Chaos](#), 26(3), 1630007.

- 34 Chel-Guerrero, L., Barbosa-Martin, E., Martinez-Antonio, A., Gonzalez-Mondragon, E. & Betancur-Ancona, D. (2016). Some Physicochemical and Rheological Properties of Starch Isolated From Avocado Seeds. [International Journal of Biological Macromolecules](#), 86, 302-308.
- 35 Soltani, N., Pech-Canul, M. I., Gonzalez, L. A. & Bahrami, A. (2016). Mechanism and Parameters Controlling the Decomposition Kinetics of Na₂SiF₆ Powder to SiF₄. [International Journal of Chemical Kinetics](#), 48(7), 379-395.
- 36 Meraz-Davila, S., Chavez-Urbiola, I., Perez-Garcia, C. E., Sanchez-Martinez, A., Campos-Montiel, S. A., Alvarado-Beltran, C. G., Vorobiev, Y. V. & Ramirez-Bon, R. (2016). Solution Processable P3ht/Cds Photodiodes and Their Electrical Characterization. [International Journal of Electrochemical Science](#), 11(4), 2962-2970.
- 37 Martinez-Valdez, R., Fernandez, A. R., Hernandez, A. V. & Salas, L. L. (2016). Design of a Low Power Hybrid Hifu Applicator for Haemostasis Based on Acoustic Propagation Modelling. [International Journal of Hyperthermia](#), 32(2), 121-131.
- 38 Kashina, S., Villavicencio, L. L. F., Zaina, S., Ordaz, M. B., Sabanero, G. B., Fujiyoshi, V. T. & Lopez, M. S. (2016). Activity of Extracts From Submerged Cultured Mycelium of Winter Mushroom, Flammulina Velutipes (Agaricomycetes), on the Immune System in Vitro. [International Journal of Medicinal Mushrooms](#), 18(1), 49-57.
- 39 Ochoa, R., Flores, A. & Torres, J. (2016). Effect of Magnesium on the Aluminothermic Reduction Rate of Zinc Oxide Obtained From Spent Alkaline Battery Anodes for the Preparation of Al-Zn-Mg Alloys. [International Journal of Minerals Metallurgy and Materials](#), 23(4), 458-465.
- 40 Martinez-Angeles, C. A., Wu, H. C., Dutra, I., Costa, V. S. & Buenabad-Chavez, J. (2016). Relational Learning With Gpus: Accelerating Rule Coverage. [International Journal of Parallel Programming](#), 44(3), 663-685.
- 41 Keshtkar, S. & Poznyak, A. (2016). Tethered Space Orientation Via Adaptive Sliding Mode. [International Journal of Robust and Nonlinear Control](#), 26(8), 1632-1646.
- 42 Ontiveros-Torres, M. A., Labra-Barrios, M. L., Diaz-Cintra, S. et al. (2016). Fibrillar Amyloid-Beta Accumulation Triggers an Inflammatory Mechanism Leading to Hyperphosphorylation of the Carboxyl-Terminal End of Tau Polypeptide in the Hippocampal Formation of the 3xtg-Ad Transgenic Mouse. [Journal of Alzheimers Disease](#), 52(1), 243-269.
- 43 Vergara-Porras, B., Gracida-Rodriguez, J. N. & Perez-Guevara, F. (2016). Thermal Processing Influence on Mechanical, Thermal, and Biodegradation Behavior in Poly(Beta-Hydroxybutyrate)/Poly(Epsilon-Caprolactone) Blends: a Descriptive Model. [Journal of Applied Polymer Science](#), 133(27), 43569.
- 44 Gutierrez, R. (2016). The Plastic Neurotransmitter Phenotype of the Hippocampal Granule Cells and of the Moss in Their Messy Fibers. [Journal of Chemical Neuroanatomy](#), 73, 9-20.

- 45 Mendivil-Reynoso, T., Ochoa-Landin, R., Ramirez-Rodriguez, L. P., Gutierrez-Acosta, K., Ramirez-Bon, R. & Castillo, S. J. (2016). Pbse Films by Ion Exchange of Synthetic Plumbonacrite Layers Immersed in a Selenium Ionic Solution. [Journal of Crystal Growth](#), 443, 20-24.
- 46 Lopez-Rubalcava, C. & Estrada-Camarena, E. (2016). Mexican medicinal plants with anxiolytic or antidepressant activity: Focus on preclinical research. [Journal of Ethnopharmacology](#), 186, 377-391.
- 47 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of Differential and Integrated Fiducial Cross Sections for Higgs Boson Production in the Four-Lepton Decay Channel in Pp Collisions at Root S=7 and 8 Tev. [Journal of High Energy Physics](#), (4), 005.
- 48 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of Top Quark Polarisation in T-Channel Single Top Quark Production. [Journal of High Energy Physics](#), (4), 73.
- 49 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Anomalous Single Top Quark Production in Association With a Photon in Pp Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (4), 035.
- 50 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Excited Leptons in Proton-Proton Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (3), 125.
- 51 Kumar-Krishnan, S., Hernandez-Rangel, A., Pal, U., Ceballos-Sanchez, O., Flores-Ruiz, F. J., Prokhorov, E., De Fuentes, O. A., Esparza, R. & Meyyappan, M. (2016). Surface Functionalized Halloysite Nanotubes Decorated With Silver Nanoparticles for Enzyme Immobilization and Biosensing. [Journal of Materials Chemistry B](#), 4(15), 2553-2560.
- 52 Carrillo, L., Escobar, J. A., Clempner, J. B. & Poznyak, A. S. (2016). Optimization Problems in Chemical Reactions Using Continuous-Time Markov Chains. [Journal of Mathematical Chemistry](#), 54(6), 1233-1254.
- 53 Perez, H., Kielanowski, P. & Juarez, S. R. (2016). Rephasing Invariants of the Cabibbo-Kobayashi-Maskawa Matrix. [Journal of Mathematical Physics](#), 57(3), 032302.
- 54 Noriega-Medrano, L. J., Vega-Estrada, J., Ortega-Lopez, J., Ruiz-Medrano, R., Cristiani-Urbina, E. & Montes-Horcasitas, M. C. (2016). Alternative non-chromatographic method for alcohols determination in Clostridium acetobutylicum fermentations. [Journal of Microbiological Methods](#), 126, 48-53.
- 55 Mendez-Lopez, A., Morales-Acevedo, A., Acosta-Silva, Y. J. & Ortega-Lopez, M. (2016). Synthesis and Characterization of Colloidal Cts Nanocrystals by a Hot-Injection Method. [Journal of Nanomaterials](#), 2016, 7486094.
- 56 Castelan-Martinez, O. D., Rodriguez-Islas, F., Vargas-Neri, J. L., Palomo-Colli, M. A., Lopez-Aguilar, E., Clark, P., Castaneda-Hernandez, G. & Rivas-Ruiz, R. (2016). Risk Factors for Febrile Neutropenia in Children With Solid Tumors Treated With Cisplatin-Based Chemotherapy. [Journal of Pediatric Hematology Oncology](#), 38(3), 191-196.

57 Jin, Y. Y., Tian, Y. H., Kuang, X. Y., Lu, C., Cabellos, J. L., Mondal, S. & Merino, G. (2016). Structural and Electronic Properties of Ruthenium-Doped Germanium Clusters. [Journal of Physical Chemistry C](#), 120(15), 8399-8404.

58 Fernandez, D. J. & Morales-Salgado, V. S. (2016). Susy Partners of the Truncated Oscillator, Painleve Transcendents and Backlund Transformations. [Journal of Physics a-Mathematical and Theoretical](#), 49(19), 195202.

59 Sanchez-Alarcon, R. I., Oropeza-Rosario, G., Gutierrez-Villalobos, A. et al. (2016). Ultrasonic Spray-Pyrolyzed CuCr₂ Thin Films. [Journal of Physics D-Applied Physics](#), 49(17), 175102.

60 Cruz, R. A. S., Almeida, H., Fernandes, C. P., Joseph-Nathan, P., Rocha, L. & Leitao, G. G. (2016). A New Tropane Alkaloid From the Leaves of Erythroxylum Subsessile Isolated by Ph-Zone-Refining Counter-Current Chromatography. [Journal of Separation Science](#), 39(7), 1273-1277.

61 Ghommam, J., Luque-Vega, L. F., Castillo-Toledo, B. & Saad, M. (2016). Three-Dimensional Distributed Tracking Control for Multiple Quadrotor Helicopters. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 353(10), 2344-2372.

62 Lugo, J. M. & Oliva, A. I. (2016). Thermal Properties of Metallic Films at Room Conditions by the Heating Slope. [Journal of Thermophysics and Heat Transfer](#), 30(2), 452-460.

63 Climaco-Arvizu, S., Dominguez-Acosta, O., Cabanas-Cortes, M. A., Rodriguez-Sosa, M., Gonzalez, F. J., Vega, L. & Elizondo, G. (2016). Aryl Hydrocarbon Receptor Influences Nitric Oxide and Arginine Production and Alters M1/M2 Macrophage Polarization. [Life Sciences](#), 155, 76-84.

64 Deciga-Campos, M., Navarrete-Vazquez, G., Lopez-Munoz, F. J., Librowski, T., Sanchez-Recillas, A., Yanez-Perez, V. & Ortiz-Andrade, R. (2016). Pharmacological Profile of N-(2,6-Dichlorophenyl)-2-(4-Methyl-1-Piperidinyl)Acetamide, a Novel Analogue of Lidocaine. [Life Sciences](#), 155, 48-55.

65 Pablo-Rodriguez, N., Auñoles-Gamboa, D. & Montero-Munoz, J. L. (2016). Niche Overlap and Habitat Use at Distinct Temporal Scales Among the California Sea Lions (*Zalophus Californianus*) and Guadalupe Fur Seals (*Arctocephalus philippii townsendi*). [Marine Mammal Science](#), 32(2), 466-489.

66 Quinones-Galvan, J. G., Lozada-Morales, R., Jimenez-Sandoval, S., Camps, E., Castrejon-Sanchez, V. H., Campos-Gonzalez, E., Zapata-Torres, M., Perez-Centeno, A. & Santana-Aranda, M. A. (2016). Physical Properties of a Non-Transparent Cadmium Oxide Thick Film Deposited at Low Fluence by Pulsed Laser Deposition. [Materials Research Bulletin](#), 76, 376-383.

67 Duchanoy, C. A., Moreno-Armendariz, M. A. & Cruz-Villar, C. A. (2016). Optimal Redesign of a Shock Absorber Using Physical Variables and the Full Dynamics of the Suspension System. [Mechanics Based Design of Structures and Machines](#), 44(1-2), 32-42.

68 De Marco, R., Tolomelli, A., Juaristi, E. & Gentilucci, L. (2016). Integrin Ligands With Alpha/ Beta-Hybrid Peptide Structure: Design, Bioactivity, and Conformational Aspects. [Medicinal Research Reviews](#), 36(3), 389-424.

69 Castro-Cedeno, E. I., Herrera-Trejo, M., Castro-Roman, M., Castro-Uresti, F. & Lopez-Cornejo, M. (2016). Evaluation of Steel Cleanliness in a Steel Deoxidized Using Al. [Metallurgical and Materials Transactions B-Process Metallurgy and Materials Processing Science](#), 47(3), 1613-1625.

70 Longoria-Gandara, O., Parra-Michel, R., Carrasco-Alvarez, R. & Romero-Aguirre, E. (2016). Iterative Mimo Detection and Channel Estimation Using Joint Superimposed and Pilot-Aided Training. [Mobile Information Systems](#), 2016, 3723862.

71 Zuniga-Gutierrez, B. & Koster, A. M. (2016). Analytical Gga Exchange-Correlation Kernel Calculation in Auxiliary Density Functional Theory. [Molecular Physics](#), 114(7-8), 1026-1035.

72 Cruz-Martinez, H., Ortiz-Balderas, C. N., Solorza-Feria, O. & Calaminici, P. (2016). Assessment of Bomd Simulations for the Ground-State Structure Determination of Transition Metal Clusters in the Nanometer Scale. [Molecular Physics](#), 114(7-8), 1019-1025.

73 Vivar, C., Peterson, B. D. & Van Praag, H. (2016). Running Rewires the Neuronal Network of Adult-Born Dentate Granule Cells. [Neuroimage](#), 131, 29-41.

74 Miranda, O. G. & Valle, J. W. F. (2016). Neutrino Oscillations and the Seesaw Origin of Neutrino Mass. [Nuclear Physics B](#), 908, 436-455.

75 Fernandez, N. R., Castelan, M. M., Pozos, S. G. et al. (2016). A New Type of Quinoxalinone Derivatives Affects Viability, Invasion, and Intracellular Growth of Toxoplasma Gondii Tachyzoites in Vitro. [Parasitology Research](#), 115(5), 2081-2096.

76 Mondal, S., Cabellos, J. L., Pan, S., Osorio, E., Torres-Vega, J. J., Tiznado, W., Restrepo, A. & Merino, G. (2016). 10-Pi-Electron Arenes a La Carte: Structure and Bonding of the [E-(C_nH_n)-E](N-6) (E = Ca, Sr, Ba; N=6-8) Complexes. [Physical Chemistry Chemical Physics](#), 18(17), 11909-11918.

77 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of the Ratio B(B-S(0) -> J/Psi F(0)(980))/B(B-S(0) -> J/Psi Phi(1020)) in Pp Collisions at Root S=7 Tev. [Physics Letters B](#), 756, 84-102.

78 Nahampun, H. N., Lopez-Arredondo, D., Xu, X., Herrera-Estrella, L. & Wang, K. (2016). Assessment of Ptxd Gene as an Alternative Selectable Marker for Agrobacterium-Mediated Maize Transformation. [Plant Cell Reports](#), 35(5), 1121-1132.

79 Toscano-Morales, R., Xoconostle-Cazares, B., Martinez-Navarro, A. C. & Ruiz-Medrano, R. (2016). AtTCTP2 mRNA and protein movement correlates with formation of adventitious roots in tobacco. [Plant Signaling & Behavior](#), 11(3), e1071003.

80 Frixione, E., Ruiz-Zamarripa, L. & Hernandez, G. (2016). Assessing Individual Intellectual Output in Scientific Research: Mexico's National System for Evaluating Scholars Performance in the Humanities and the Behavioral Sciences. [Plos One](#), 11(5), e0155732.

81 Vizuet-De-Rueda, J. C., Florencio-Martinez, L. E., Padilla-Mejia, N. E., Manning-Cela, R., Hernandez-Rivas, R. & Martinez-Calvillo, S. (2016). Ribosomal Rna Genes in the Protozoan Parasite Leishmania Major Possess a Nucleosomal Structure. [Protist](#), 167(2), 121-135.

- 82 Ramirez-Cano, J. A. & Veleva, L. (2016). Direct Measurement of the Adsorption Kinetics of 2-Mercaptobenzothiazole on a Microcrystalline Copper Surface. [Revista De Metalurgia](#), 52(1), e064.
- 83 Martinez-Perales, L. G., Flores-Valdes, A., Salinas-Rodriguez, A., Ochoa-Palacios, R. M., Toscano-Giles, J. A. & Torres-Torres, J. (2016). Formation of Abrasion-Resistant Coatings of the Alsifexmny Intermetallic Compound Type on the Aisi 304I Alloy. [Revista De Metalurgia](#), 52(1), e061.
- 84 Garcia-Aspeitia, M. A., Ortiz, C., Lopez-Dominguez, J. C., Hinojosa-Ruiz, S. & Reyes-Ibarra, M. J. (2016). Gravitational Collapse in Brane-Worlds Revisited. [Revista Mexicana De Fisica](#), 62(3), 199-205.
- 85 Delgado, R. M., Arambula-Villa, G., Luna-Barcenas, G., Flores-Casamayor, V., Veles-Medina, J. J., Azuara, E. & Salazar, R. (2016). Acrylamide Content in Tortilla Chips Prepared From Pigmented Maize Kernels. [Revista Mexicana De Ingenieria Quimica](#), 15(1), 69-78.
- 86 Oliva, A. I., Martin-Varguez, P. E., Gonzalez-Panzo, I. J. & Gonzalez-Chan, I. J. (2016). Role of the Species Distribution Diagram in the Thin Semiconductor Layers Deposition by Chemical Bath. [Revista Mexicana De Ingenieria Quimica](#), 15(1), 209-220.
- 87 De la Rocha, C., Perez-Mojica, J. E., Zenteno-De Leon, S. et al. (2016). Associations Between Whole Peripheral Blood Fatty Acids and Dna Methylation in Humans. [Scientific Reports](#), 6, 25867.
- 88 Velez-Delvalle, C., Marsch-Moreno, M., Castro-Munozledo, F., Galvan-Mendoza, I. J. & Kuri-Harcuch, W. (2016). Epithelial Cell Migration Requires the Interaction Between the Vimentin and Keratin Intermediate Filaments. [Scientific Reports](#), 6, 24389.
- 89 Bueno, D., Munoz, R. & Marty, J. L. (2016). Fluorescence Analyzer Based on Smartphone Camera and Wireless for Detection of Ochratoxin a. [Sensors and Actuators B-Chemical](#), 232, 462-468.
- 90 Ramirez-Aparicio, J., Sanchez-Martinez, A. & Ramirez -Bon, R. (2016). Photodecolorization of Rhodamine Under Sunlight Irradiation Driven by Chabazite. [Solar Energy](#), 129, 45-53.
- 91 Avila-Herrera, F., Paz, B. C., Cerdeira, A., Estrada, M. & Pavanello, M. A. (2016). Charge-Based Compact Analytical Model for Triple-Gate Junctionless Nanowire Transistors. [Solid-State Electronics](#), 122, 23-31.
- 92 Cabrera-German, D., Gomez-Sosa, G. & Herrera-Gomez, A. (2016). Accurate Peak Fitting and Subsequent Quantitative Composition Analysis of the Spectrum of Co 2p Obtained With Al K Radiation: I: Cobalt Spinel. [Surface and Interface Analysis](#), 48(5), 252-256.
- 93 Castanos, F. & Gromov, D. (2016). Passivity-based control of implicit port-Hamiltonian systems with holonomic constraints. [Systems & Control Letters](#), 94, 11-18.
- 94 Rivera-Tello, C. D., Broitman, E., Flores-Ruiz, F. J., Jimenez, O. & Flores, M. (2016). Mechanical properties and tribological behavior at micro and macro-scale of WC/WCN/W hierarchical multilayer coatings. [Tribology International](#), 101, 194-203.

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

95 Minjarez, B., Calderon-Gonzalez, K. G., Valero-Rustarazo, M. L., Herrera-Aguirre, M. E., Labra-Barrios, M. L., Rincon-Limas, D. E., Sanchez del Pino, M. M., Mena, R. & Luna-Arias, J. P. (2016). Data set of interactomes and metabolic pathways of proteins differentially expressed in brains with Alzheimer's disease. [Data in Brief](#), 7, 1707-1719.

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

9

96 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Comparison of the Z/Gamma* + Jets to Gamma + Jets Cross Sections in Pp Collisions at Root S = 8 (Vol 10, 128, 2015). [Journal of High Energy Physics](#), (4), 010.

97 Dai, W. T., Adhikari, S., Garcia-Castro, A. C., Romero, A. H., Lee, H., Lee, J. W., Ryu, S., Eom, C. B. & Cen, C. (2016). Tailoring LaAlO₃/SrTiO₃ Interface Metallicity by Oxygen Surface Adsorbates. [Nano Letters](#), 16(4), 2739-2743.

98 Hilario-Martinez, J. C., Zeferino-Diaz, R., Munoz-Hernandez, M. A., Hernandez-Linares, M. G., Cabellos, J. L., Merino, G., Sandoval-Ramirez, J., Jin, Z. D. & Fernandez-Herrera, M. A. (2016). Regioselective Spirostan E-Ring Opening for the Synthesis of Dihydropyran Steroidal Frameworks. [Organic Letters](#), 18(8), 1772-1775.

99 Merino, G. & Sola, M. (2016). Celebrating the 150th Anniversary of the Kekule Benzene Structure. [Physical Chemistry Chemical Physics](#), 18(17), 11587-11588.

100 Canas, B. C., Miranda, O. G., Parada, A., Tortola, M. & Valle, J. W. F. (2016). Updating Neutrino Magnetic Moment Constraints (Vol 753, Pg 191, 2016). [Physics Letters B](#), 757, 568.

101 Perez-Chi, A., Carrillo-Laguna, J., Aguilar-Figueroa, B. R., Ibanez-Cervantes, G., Lopez-Villegas, O. & Leon-Avila, G. (2016). Prevalence of Haematoloechus Pulcher Metacercariae (Digenea: Plagiorchioidea) in the Crayfish Cambarellus Montezumae in Salazar Lagoon, Estado De Mexico (Vol 86, Pg 730, 2015). [Revista Mexicana De Biodiversidad](#), 87(1), 276.

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

102 Carlos-Mancilla, M., Lopez-Mellado, E. & Siller, M. (2016). Wireless Sensor Networks Formation: Approaches and Techniques. [Journal of Sensors](#), 2016, 2081902.

ARTÍCULOS DEL MES DE JUNIO DE 2016

[ARTÍCULOS A] – ARTÍCULOS PUBLICADOS EN EXLENDO EN REVISTAS INCLUIDAS EN JCR

- 1 Nava-Cruz, N. Y., Contreras-Esquivel, J. C., Aguilar-Gonzalez, M. A., Nuncio, A., Rodriguez-Herrera, R. & Aguilar, C. N. (2016). Agave Atrovirens Fibers as Substrate and Support for Solid-State Fermentation for Cellulase Production by *Trichoderma Asperellum*. [3 Biotech](#), 6, 115.
- 2 Segura, C., Coello, C. A. C., Miranda, G. & Leon, C. (2016). Using Multi-Objective Evolutionary Algorithms for Single-Objective Constrained and Unconstrained Optimization. [Annals of Operations Research](#), 240(1), 217-250.
- 3 De la Calleja, E. M., Cervantes, F. & De la Calleja, J. (2016). Order-fractal transitions in abstract paintings. [Annals of Physics](#), 371, 313-322.
- 4 Horemans, B., Bers, K., Romero, E. R., Juan, E. P., Dunon, V., De Mot, R. & Springael, D. (2016). Functional Redundancy of Linuron Degradation in Microbial Communities in Agricultural Soil and Biopurification Systems. [Applied and Environmental Microbiology](#), 82(9), 2843-2853.
- 5 Sigalotti, L. d. G., Klapp, J., Rendon, O., Vargas, C. A. & Pena-Polo, F. (2016). On the kernel and particle consistency in smoothed particle hydrodynamics. [Applied Numerical Mathematics](#), 108, 242-255.
- 6 Fragoso, C., Leyequien, E., Garcia-Robles, M., Montero-Munoz, J. & Rojas, P. (2016). Dominance of native earthworms in secondary tropical forests derived from slash-and-burn Mayan agricultural practices (Yucatan, Mexico). [Applied Soil Ecology](#), 104, 116-124.
- 7 Singh, B., Diwan, A., Jain, V., Herrera-Gomez, A., Terry, J. & Linford, M. R. (2016). Uniqueness plots: A simple graphical tool for identifying poor peak fits in X-ray photoelectron spectroscopy. [Applied Surface Science](#), 387, 155-162.
- 8 Salazar-Cantu, A., Perez-Trevino, P., Montalvo-Parra, D., Balderas-Villalobos, J., Gomez-Vaquez, N. L., Garcia, N. & Altamirano, J. (2016). Role of SERCA and the sarcoplasmic reticulum calcium content on calcium waves propagation in rat ventricular myocytes. [Archives of Biochemistry and Biophysics](#), 604, 11-19.
- 9 Ovando-Vazquez, C., Lepe-Soltero, D. & Abreu-Goodger, C. (2016). Improving Microrna Target Prediction With Gene Expression Profiles. [Bmc Genomics](#), 17(1), 364.
- 10 Cetz-Chel, J. E., Balcazar-Lopez, E., Esquivel-Naranjo, E. U. & Herrera-Estrella, A. (2016). The Trichoderma Atroviride Putative Transcription Factor Blu7 Controls Light Responsiveness and Tolerance. [Bmc Genomics](#), 17(1), 327.
- 11 Franco, L. M., Beltran, J. Q., Tapia, J. A., Ortiz, F., Manjarrez, E. & Gutierrez, R. (2016). Differential Frequency-Dependent Antidromic Resonance of the Schaffer Collaterals and Mossy Fibers. [Brain Structure & Function](#), 221(4), 1793-1807.

- 12 Lopez, L. A. & Matias, A. E. (2016). Thermodynamic Stability of a Regular Black Hole in Nonlinear Electrodynamics. [Canadian Journal of Physics](#), 94(4), 425-430.
- 13 Ochoa, R., Flores, A., Torres, J., Guia, J. & Muniz, R. (2016). Kinetic Study on the Metallothermic Reduction of Chromite Ore Using Magnesium Scrap. [Canadian Metallurgical Quarterly](#), 55(2), 210-220.
- 14 Gomez-Suarez, M., Gutierrez-Martinez, I. Z., Hernandez-Trejo, J. A. et al. (2016). 14-3-3 Proteins Regulate Akt Thr308 Phosphorylation in Intestinal Epithelial Cells. [Cell Death and Differentiation](#), 23(6), 1060-1072.
- 15 Sanchez, J., Cortes-Hernandez, D. A., Escobedo-Bocardo, J. C., Almanza-Robles, J. M., Reyes-Rodriguez, P. Y., Jasso-Teran, R. A., Bartolo-Perez, P. & De-Leon-Prado, L. E. (2016). Sol-gel synthesis of $Mn_xGa_{1-x}Fe_2O_4$ nanoparticles as candidates for hyperthermia treatment. [Ceramics International](#), 42(12), 13755-13760.
- 16 Pineda-Leon, H. A., Gutierrez-Heredia, G., De Leon, A., Ochoa-Landin, R., Ramirez-Bon, R., Flores-Acosta, M. & Castillo, S. J. (2016). Comparative Study of Pbs Thin Films Growth by Two Different Formulations Using Chemical Bath Deposition. [Chalcogenide Letters](#), 13(4), 161-168.
- 17 Cortez-Valadez, M., Fierro, C., Farias-Mancilla, J. R., Vargas-Ortiz, A., Flores-Acosta, M., Ramirez-Bon, R., Enriquez-Carrejo, J. L., Soubervielle-Montalvo, C. & Mani-Gonzalez, P. G. (2016). Comparison of $HfCl_4$, HfI_4 , Tema-Hf, and Tdma-Hf as Precursors in Early Growing Stages of HfO_2 Films Deposited by Ald: a Dft Study. [Chemical Physics](#), 472, 81-88.
- 18 Pacheco-Kato, J. C., Del Campo, J. M., Gazquez, J. L., Trickey, S. B. & Vela, A. (2016). A Pw91-Like Exchange With a Simple Analytical Form. [Chemical Physics Letters](#), 651, 268-273.
- 19 Bach, P., Valencia-Jaime, I., Rutt, U., Gutowski, O., Romero, A. H. & Renner, F. U. (2016). Electrochemical Lithiation Cycles of Gold Anodes Observed by in Situ High-Energy X-Ray Diffraction. [Chemistry of Materials](#), 28(9), 2941-2948.
- 20 Brown, P. R. & Porter, R. M. (2016). Numerical Conformal Mapping to One-Tooth Gear-Shaped Domains and Applications. [Computational Methods and Function Theory](#), 16(2), 319-345.
- 21 Rudolph, G., Schutze, O., Grimme, C., Dominguez-Medina, C. & Trautmann, H. (2016). Optimal Averaged Hausdorff Archives for Bi-Objective Problems: Theoretical and Numerical Results. [Computational Optimization and Applications](#), 64(2), 589-618.
- 22 Porter, R. M. & Shimauchi, H. (2016). Numerical Solution of the Beltrami Equation Via a Purely Linear System. [Constructive Approximation](#), 43(3), 371-407.
- 23 Rovito, S. M. & Parra-Olea, G. (2016). Neotropical Plethodontid Biogeography: Insights From Molecular Phylogenetics. [Copeia](#), 104(1), 222-232.

- 24 Ruiz-Preciado, M. A., Bulou, A., Makowska-Janusik, M., Gibaud, A., Morales-Acevedo, A. & Kassiba, A. (2016). Nickel Titanate (Nitio3) Thin Films: Rf-Sputtering Synthesis and Investigation of Related Features for Photocatalysis. [Crystengcomm](#), 18(18), 3229-3236.
- 25 Ruelas-Santoyo, E. A., Vazquez-Lopez, J. A., Yanez-Mendiola, J., Lopez-Juarez, I. & Bravo-Barrera, C. F. (2016). Neuronal-Fuzzy System Applied to Recognize and Assessing of Damage in Carbon Steel Supported by Descriptive Statistics. [Dyna](#), 91(3), 301-308.
- 26 Blanco-Munoz, J., Lacasana, M., Lopez-Flores, I., Rodriguez-Barranco, M., Gonzalez-Alzaga, B., Bassol, S., Cebrian, M. E., Lopez-Carrillo, L. & Aguilar-Garduno, C. (2016). Association between organochlorine pesticide exposure and thyroid hormones in floriculture workers. [Environmental Research](#), 150, 357-363.
- 27 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Massive Wh Resonances Decaying Into the L Nu B(B)Over-Bar Final State at Root S=8 Tev. [European Physical Journal C](#), 76(5), 237.
- 28 Diaz-Bautista, E. & Cabrera, D. J. F. (2016). Nonlinear Supercoherent States and Geometric Phases for the Supersymmetric Harmonic Oscillator. [European Physical Journal Plus](#), 131(5).
- 29 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Particle Identification in Alice: a Bayesian Approach. [European Physical Journal Plus](#), 131(5), 168.
- 30 Torres-Vega, G. (2016). Universal Raising and Lowering Operators for a Discrete Energy Spectrum. [Foundations of Physics](#), 46(6), 689-701.
- 31 Martinez-Aguilar, K., Ramirez-Carrasco, G., Hernandez-Chavez, J. L., Barraza, A. & Alvarez-Venegas, R. (2016). Use of Baba and Ina as Activators of a Primed State in the Common Bean (*Phaseolus Vulgaris* L.). [Frontiers in Plant Science](#), 7, 653.
- 32 Czimmerer, Z., Varga, T., Kiss, M. et al. (2016). The IL-4/Stat6 Signaling Axis Establishes a Conserved Microrna Signature in Human and Mouse Macrophages Regulating Cell Survival Via Mir-342-3p. [Genome Medicine](#), 8, 63.
- 33 Rodriguez, A. E., Torres, J., Perez, J. R., Dominguez, A. R., Luna, R. & Flores, G. (2016). Robust State Estimation in Presence of Parametric Uncertainty by NI-Pi Observers. An Application to Continuous Microbial Cultures. [Ieee Latin America Transactions](#), 14(3), 1199-1205.
- 34 Garcia-Sanchez, J. L., Moreno, P., Gutierrez-Robles, J. A., Loo-Yau, J. R., Sotelo, J., Banuelos, E. S. & Galvan, V. A. (2016). Aerial Line Model for Power System Electromagnetic Transients Simulation. [Iet Generation Transmission & Distribution](#), 10(7), 1597-1604.
- 35 Castellanos-Arevalo, A. P., Camarena-Pozos, D. A., Castellanos-Arevalo, D. C., Rangel-Cordova, A. A., Pena-Cabriales, J. J., Arevalo-Rivas, B., De Pena, D. G. & Maldonado-Vega, M. (2016). Microbial Contamination in the Indoor Environment of Tanneries in Leon, Mexico. [Indoor and Built Environment](#), 25(3), 524-540.

- 36 De la Rosa, E. & Yu, W. (2016). Randomized algorithms for nonlinear system identification with deep learning modification. [Information Sciences](#), 364-365, 197-212.
- 37 Delfin, J., Becerra, H. M. & Arechavaleta, G. (2016). Visual Servo Walking Control for Humanoids With Finite-Time Convergence and Smooth Robot Velocities. [International Journal of Control](#), 89(7), 1342-1358.
- 38 Lua, C. A., Castillo-Toledo, B., Cespi, R. & Di Gennaro, S. (2016). Nonlinear Observer-Based Active Control of Ground Vehicles With Non Negligible Roll Dynamics. [International Journal of Control Automation and Systems](#), 14(3), 743-752.
- 39 Dominguez, R. D., Alarcon-Flores, G., Aguilar-Frutis, M., Sanchez-Alarcon, R. I., Falcony, C., Dorantes-Rosales, H. J., Gonzalez-Velazquez, J. L. & Rivas-Lopez, D. I. (2016). Effect on the stabilization of the anatase phase and luminescent properties of samarium-doped TiO₂ nanocrystals prepared by microwave irradiation. [Journal of Alloys and Compounds](#), 687, 121-129.
- 40 Torres-Cruz, F. M., Rodriguez-Cruz, F., Escobar-Herrera, J., Barragan-Andrade, N., Basurto-Islas, G., Ripova, D., Avila, J. & Garcia-Sierra, F. (2016). Expression of Tau Produces Aberrant Plasma Membrane Blebbing in Glial Cells Through Rhoa-Rock-Dependent F-Actin Remodeling. [Journal of Alzheimers Disease](#), 52(2), 463-482.
- 41 Ruiz-Martinez, G., Marino-Tapia, I., Baldwin, E. G. M., Casarin, R. S. & Ortiz, C. E. E. (2016). Identifying Coastal Defence Schemes Through Morphodynamic Numerical Simulations Along the Northern Coast of Yucatan, Mexico. [Journal of Coastal Research](#), 32(3), 651-669.
- 42 Reyes-Mendoza, O., Marino-Tapia, I., Herrera-Silveira, J., Ruiz-Martinez, G., Enriquez, C. & Largier, J. L. (2016). The Effects of Wind on Upwelling Off Cabo Catoche. [Journal of Coastal Research](#), 32(3), 638-650.
- 43 Calla-Choque, D., Nava-Alonso, F. & Fuentes-Aceituno, J. C. (2016). Acid decomposition and thiourea leaching of silver from hazardous jarosite residues: Effect of some cations on the stability of the thiourea system. [Journal of Hazardous Materials](#), 317, 440-448.
- 44 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Correlations Between Jets and Charged Particles in Pbpb and Pp Collisions at Root S(Nn)=2.76 Tev. [Journal of High Energy Physics](#), (2), 156.
- 45 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for a Massive Resonance Decaying Into a Higgs Boson and a W or Z Boson in Hadronic Final States in Proton-Proton Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (2), 145.
- 46 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for W' → Tb in Proton-Proton Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (2), 122.
- 47 Mondragon-Solorzano, G., Sierra-Alvarez, R., Lopez-Honorato, E. & Barroso-Flores, J. (2016). In Silico Design of Calixarene-Based Arsenic Acid Removal Agents. [Journal of Inclusion Phenomena and Macrocyclic Chemistry](#), 85(1-2), 169-174.

48 Escalante, R., Pourjafari, D., Reyes-Coronado, D. & Oskam, G. (2016). Dye-Sensitized Solar Cell Scale-up: Influence of Substrate Resistance. [Journal of Renewable and Sustainable Energy](#), 8(2), 023704.

49 Hernandez-Garcia, Y. I., Chamizo, J. A., Kleiche-Dray, M. & Russell, J. M. (2016). The Scientific Impact of Mexican Steroid Research 1935-1965: a Bibliometric and Historiographic Analysis. [Journal of the Association for Information Science and Technology](#), 67(5), 1245-1256.

50 Espinoza-Figueroa, J. A., Mendez-Garcia, V. H., Vidal, M. A., Cruz-Hernandez, E., Lopez-Lopez, M. & Gallardo-Hernandez, S. (2016). Effects of Growth Temperature on the Incorporation of Nitrogen in Ganas Layers. [Journal of Vacuum Science & Technology B](#), 34(2), 02L111.

51 Trejo, K. K., Clempner, J. B. & Poznyak, A. S. (2016). An Optimal Strong Equilibrium Solution for Cooperative Multi-Leader-Follower Stackelberg Markov Chains Games. [Kybernetika](#), 52(2), 258-279.

52 Torres-Munoz, J. A., Gutierrez, I. & Dominguez-Bocanegra, A. R. (2016). Optimal Control From Inoculation on a Continuous Microalgae Culture. [Kybernetika](#), 52(2), 224-240.

53 Gomez- Acata, E. S., Valencia-Becerril, I., Valenzuela-Encinas, C. et al. (2016). Deforestation and cultivation with maize (*Zea mays L.*) has a profound effect on the bacterial community structure in soil. [Land Degradation & Development](#), 27, 1122-1130.

54 Flores-Sierra, J., Arredondo-Guerrero, M., Cervantes-Paz, B. et al. (2016). The Trans Fatty Acid Elaidate Affects the Global Dna Methylation Profile of Cultured Cells and in Vivo. [Lipids in Health and Disease](#), 15, 75.

55 Hernandez-Rodriguez, F. & Castelan, M. (2016). A Photometric Sampling Method for Facial Shape Recovery. [Machine Vision and Applications](#), 27(4), 483-497.

56 Vigil-Galan, O., Pulgarin, F. A., Cruz-Gandarilla, F., Courel, M., Villarreal-Ruiz, G., Sanchez, Y., Jimenez-Olarte, D. & Saucedo, E. (2016). Optimization of Cbd-Cds Physical Properties for Solar Cell Applications Considering a Mis Structure. [Materials & Design](#), 99, 254-261.

57 Cruz-Gandarilla, F., Salcedo-Garrido, A. M., Bolmaro, R. E., Baudin, T., De Vincentis, N. S., Avalos, M., Cabanas-Moreno, J. G. & Mendoza-Leon, H. (2016). Microstructural evolution and mechanical properties on an ARB processed IF steel studied by X-ray diffraction and EBSD. [Materials Characterization](#), 118, 332-339.

58 Orozco-Gonzalez, P., Castro-Roman, M., Muniz-Valdez, R., Luna-Alvarez, S., Equihua-Guillen, F., Hernandez-Rodriguez, A., Baltazar-Hernandez, V. H. & Alvarado-Hernandez, F. (2016). Formation and crystal structure of the - $\ddot{\sigma}$ phase in the Al-Fe-Mn-Si system. [Materials Letters](#), 180, 277-279.

59 Jayaraman, V. K., Maldonado-Alvarez, A., Jimenez-Gonzalez, A. E. & Olvera-Amador, M. L. (2016). Influence of precursor ball milling in enhancing the structural, morphological, optical and electrical properties of AlZO thin films. [Materials Letters](#), 181, 52-55.

- 60 Dominguez-Calderon, A., Avila-Flores, A., Ponce, A. et al. (2016). Zo-2 Silencing Induces Renal Hypertrophy Through a Cell Cycle Mechanism and the Activation of Yap and the Mtor Pathway. *Molecular Biology of the Cell*, 27(10), 1581-1595.
- 61 Mourino-Perez, R. R., Riquelme, M., Callejas-Negrete, O. A. & Galvan-Mendoza, J. I. (2016). Microtubules and Associated Molecular Motors in Neurospora Crassa. *Mycologia*, 108(3), 515-527.
- 62 Villalobos-Escobedo, J. M., Herrera-Estrella, A. & Carreras-Villasenor, N. (2016). The Interaction of Fungi With the Environment Orchestrated by Rnai. *Mycologia*, 108(3), 556-571.
- 63 Aquino-Miranda, G., Escamilla-Sanchez, J., Gonzalez-Pantoja, R., Bueno-Nava, A. & Arias-Montano, J. A. (2016). Histamine H3 receptor activation inhibits dopamine synthesis but not release or uptake in rat nucleus accumbens: Histamine Receptors. *Neuropharmacology*, 106, 91-101.
- 64 Xochitiotzi-Flores, E., Jimenez-Sanchez, A., Garcia-Ortega, H., Sanchez-Puig, N., Romero-Avila, M., Santillan, R. & Farfan, N. (2016). Optical Properties of Two Fluorene Derived Bodipy Molecular Rotors as Fluorescent Ratiometric Viscosity Probes. *New Journal of Chemistry*, 40(5), 4500-4512.
- 65 Carmona, I. G. & Collado, J. (2016). Control of a Two Wired Hammerhead Tower Crane. *Nonlinear Dynamics*, 84(4), 2137-2148.
- 66 Medina-Aguilar, R., Marchat, L. A., Ocampo, E. A., Gariglio, P., Mena, J. G., Sepulveda, N. V., Castillo, M. M. & Lopez-Camarillo, C. (2016). Resveratrol Inhibits Cell Cycle Progression by Targeting Aurora Kinase a and Polo-Like Kinase 1 in Breast Cancer Cells. *Oncology Reports*, 35(6), 3696-3704.
- 67 Horley, P., Vorobiev, Y. V., Makhniy, V. P. & Sklyarchuk, V. M. (2016). Optoelectronic properties of Ni-GaP diodes with a modified surface. *Physica E: Low-Dimensional Systems and Nanostructures*, 83, 227-231.
- 68 Bermudez, D. & Leonhardt, U. (2016). Hawking Spectrum for a Fiber-Optical Analog of the Event Horizon. *Physical Review a*, 93(5), 053820.
- 69 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Multipion Bose-Einstein Correlations in Pp, P-Pb, and Pb-Pb Collisions at Energies Available at the Cern Large Hadron Collider. *Physical Review C*, 93(5), 054908.
- 70 Manko, V. S. & Ruiz, E. (2016). Exterior Field of Slowly and Rapidly Rotating Neutron Stars: Rehabilitating Spacetime Metrics Involving Hyperextreme Objects. *Physical Review D*, 93(10), 104051.
- 71 Lami, A., Portoles, J. & Roig, P. (2016). Lepton Flavor Violation in Hadronic Decays of the Tau Lepton in the Simplest Little Higgs Model. *Physical Review D*, 93(7), 076008.
- 72 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2016). Measurement of the Forward-Backward Asymmetries in the Production of Xi and Omega Baryons in P(P)Over-Bar Collisions. *Physical Review D*, 93(11), 112001.

73 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of the Top Quark Mass Using Charged Particles in Pp Collisions at Root S=8 Tev. [Physical Review D](#), 93(9), 092006.

74 Celada, M., Gonzalez, D. & Montesinos, M. (2016). Plebanski-Like Action for General Relativity and Anti-Self-Dual Gravity. [Physical Review D](#), 93(10), 104058.

75 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Supersymmetry in Pp Collisions at Root S=8 Tev in Final States With Boosted W Bosons and B Jets Using Razor Variables. [Physical Review D](#), 93(9), 092009.

76 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at Root(Nn)-N-S=5.02 Tev. [Physical Review Letters](#), 116(22), 222302.

77 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Measurement of an Excess in the Yield of J/Psi at Very Low P(T) in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physical Review Letters](#), 116(22), 222301.

78 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of Long-Range Near-Side Two-Particle Angular Correlations in Pp Collisions at Root S=13 Tev. [Physical Review Letters](#), 116(17), 172302.

79 Molina-Valdovinos, S. & Gurevich, Y. G. (2016). Nonlinear Charge Transport in Bipolar Semiconductors Due to Electron Heating. [Physics Letters a](#), 380(24), 2021-2024.

80 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Inclusive and Differential Measurements of the T(T)Over-Bar Charge Asymmetry in Pp Collisions at Root S=8 Tev. [Physics Letters B](#), 757, 154-179.

81 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2016). Measurement of Spin Correlation Between Top and Antitop Quarks Produced in P(P)Over-Bar Collisions at Root S=1.96 Tev. [Physics Letters B](#), 757, 199-206.

82 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of the Cp-Violating Weak Phase Phi(S) and the Decay Width Difference Delta Gamma(S) Using the B-S(0) -> J/Psi Phi (1020) Decay Channel in Pp Collisions at Root S=8 Tev. [Physics Letters B](#), 757, 97-120.

83 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for New Phenomena in Monophoton Final States in Proton-Proton Collisions at Root S=8 Tev. [Physics Letters B](#), 755, 102-124.

84 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Supersymmetry in Events With a Photon, a Lepton, and Missing Transverse Momentum in Pp Collisions at Root S=8 Tev. [Physics Letters B](#), 757, 6-31.

85 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for W' Decaying to Tau Lepton and Neutrino in Proton-Proton Collisions at Root S=8 Tev. [Physics Letters B](#), 755, 196-216.

86 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Searches for a Heavy Scalar Boson H Decaying to a Pair of 125 GeV Higgs Bosons Hh or for a Heavy Pseudoscalar Boson a Decaying to Z_h, in the Final States With H → Tau Tau. [Physics Letters B](#), 755, 217-244.

87 Guzman-Lopez, J. A., Abraham-Juarez, M. J., Lozano-Sotomayor, P., De Folter, S. & Simpson, J. (2016). Arabidopsis Thaliana Gonidialess a/Zuotin Related Factors (Glsa/Zrf) Are Essential for Maintenance of Meristem Integrity. [Plant Molecular Biology](#), 91(1-2), 37-51.

88 Rodriguez-Linan, G. M., Nahmad-Molinari, Y. & Perez-Angel, G. (2016). Clustering-Induced Attraction in Granular Mixtures of Rods and Spheres. [Plos One](#), 11(5), e0156153.

89 Merino-Jimenez, C., Aragon, J., Ceja, V., Rodriguez-Martinez, G., Cazares-Raga, F. E., Chardonnet, S., Pionneau, D., Rendon, A. & Montanez, C. (2016). Dp71 Delta(78-79) Dystrophin Mutant Stimulates Neurite Outgrowth in PC12 Cells Via Upregulation and Phosphorylation of Hspb1. [Proteomics](#), 16(9), 1331-1340.

90 Garrido, R. & Diaz, A. (2016). Cascade closed-loop control of solar trackers applied to HCPV systems. [Renewable Energy](#), 97, 689-696.

91 Matadamas-Martinez, F., Castillo, R., Hernandez-Campos, A., Mendez-Cuesta, C., De Souza, W., Gadelha, A. P., Nogueda-Torres, B., Hernandez, J. M. & Yepez-Mulia, L. (2016). Proteomic and Ultrastructural Analysis of the Effect of a New Nitazoxanide-N-Methyl-1h-Benzimidazole Hybrid Against Giardia Intestinalis. [Research in Veterinary Science](#), 105, 171-179.

92 Gonzalez-Garza, B. I., Sanchez-Teyer, L. F. & Zapata-Perez, O. (2016). Sea Turtle Hatchling Carapace as a Source of High Quantity and Quality DNA. [Revista De Biología Marina Y Oceanografía](#), 51(1), 217-222.

93 Lizama-Tzec, F. I., Garcia-Rodriguez, R., Rodriguez-Gattorno, G. et al. (2016). Influence of Morphology on the Performance of ZnO-Based Dye-Sensitized Solar Cells. [Rsc Advances](#), 6(44), 37424-37433.

94 Pena-Martinez, R., Munoz-Viveros, A. L., Bujanos-Muniz, R., Luevano-Borroel, J., Tamayo-Mejia, F. & Cortez-Mondaca, E. (2016). Sexual Forms of Sorghum Aphid Complex Melanaphis Sacchari/Sorghii in Mexico. [Southwestern Entomologist](#), 41(1), 127-131.

95 Galvan-Reyes, C., Fuentes-Aceituno, J. C. & Salinas-Rodriguez, A. (2016). The Role of Alkalizing Agent on the Manganese Phosphating of a High Strength Steel Part 1: the Individual Effect of NaOH and NH₄OH. [Surface & Coatings Technology](#), 271, 179-188.

96 Medeiros, M., Valverde, S., Del Moral, I., Velasquez-Jones, L., Hernandez, A. M., Castaneda-Hernandez, G., Reyes, H. & Filler, G. (2016). Are Tacrolimus Pharmacokinetics Affected by Nephrotic Stage? [Therapeutic Drug Monitoring](#), 38(3), 288-292.

97 Carrasco-Torres, G., Fattel-Fazenda, S., Lopez-Alvarez, G. S., Garcia-Roman, R., Villa-Trevino, S. & Vasquez-Garzon, V. R. (2016). The Transmembrane Transporter ABCC3 Participates in Liver Cancer Progression and Is a Potential Biomarker. [Tumor Biology](#), 37(2), 2007-2014.

98 Geudtner, G., Calaminici, P. & Koster, A. M. (2016). First Principle Investigation of (Bi₂O₃)(N) Clusters With N=6-9. [Zeitschrift Fur Physikalische Chemie-International Journal of Research in Physical Chemistry & Chemical Physics](#), 230(5-7), 991-1003.

**[ARTÍCULOS_B] – ARTÍCULOS PUBLICADOS EN EXTENO EN OTRAS REVISTAS ESPECIALIZADAS
(INCLUÍDO EL ÍNDICE DE REVISTAS MEXICANAS DE INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA)**

99 Lopez-Perez, P. A., Neria-Gonzalez, M. I., Perez-Garcia, M. R. & Aguilar-Lopez, R. (2016). Concentrations monitoring via software sensor for bioreactors under model parametric uncertainty: Application to cadmium removal in an anaerobic process. [Alexandria Engineering Journal](#), 55(2), 1893-1902.

100 Rellan-Alvarez, R., Lobet, G. & Dinneny, J. R. (2016). Environmental Control of Root System Biology. [Annual Review of Plant Biology](#), 67, 619-642.

101 Alfonso, B. G., De Montpellier, O. F. M. & Del Rincon, M. C. (2016). Teaching Models for Algorithms of Fraction's Division. [Avances De Investigacion En Educacion Matematica](#), (9), 43-63.

102 Becerra-Sagredo, J., Mandujano, F., Malaga, C., Klapp, J. & De Teresa, I. (2016). A Template for Scalable Continuum Dynamic Simulations in Multiple Gpus. [Communications in Computer and Information Science](#), 595, 473-484.

103 Cabello, U., Rodriguez, J. & Meneses-Viveros, A. (2016). An Open MpI Extension for Supporting Task Based Parallelism in Heterogeneous Cpu-Gpu Clusters. [Communications in Computer and Information Science](#), 595, 144-155.

104 Wang, J. C., Tepfenhart, B. & Li, X. O. (2016). Analysis of Minimum Workflow Resource Requirement. [Communications in Computer and Information Science](#), 602, 53-66.

105 Ramirez, M. & Collado, J. (2016). Calculation of the Stability Zones of Hill's Equation With a Gpu on Matlab. [Communications in Computer and Information Science](#), 595, 225-239.

106 Alvarado-Rodriguez, C. E., Klapp, J., Mayoral, E. & Dominguez, J. M. (2016). Gpu Simulations of Fluid and Composition Dispersion in a Porous Media With Smoothed Particle Hydrodynamics. [Communications in Computer and Information Science](#), 595, 485-494.

107 Weinstein, N., Pedroza-Rios, K. G., Nathal, E., Sigalotti, L. D., Gitler, I. & Klapp, J. (2016). Modeling the Blood Vessels of the Brain. [Communications in Computer and Information Science](#), 595, 535-554.

108 Areu-Rangel, O. S., Tolentino, D., Mendoza-Sanchez, I., Alvarado-Rodriguez, C. E., Klapp, J. & Bonasia, R. (2016). Numerical Simulations of a Dam Overflowing. Case Study: "La Esperanza" Dam in Hidalgo, Mexico. Implications for Risk Evaluation. [Communications in Computer and Information Science](#), 595, 285-295.

109 Zaragoza-Martinez, C. C. & Gutierrez, D. (2016). New Perspectives on the Use of Spatial Filters in Magnetoencephalographic Array Processing. [Computacion Y Sistemas](#), 20(1), 115-125.

110 Sagols, F., Morales-Luna, G. & Buitron-Damaso, I. (2016). Trajectory Graphs Appearing From the Skein Problems at the Hypercube. [Computacion Y Sistemas](#), 20(1), 81-87.

111 Cardenas-Guerra, R. E., Ortega-Lopez, J. & Arroyo, R. (2016). Aggregation kinetic dataset to determine the stability of the purified and refolded recombinant ppTvCP4 protein of Trichomonas vaginalis. [Data in Brief](#), 8, 320-323.

112 Perez-Campillo, Y. & Chamizo-Guerrero, J. A. (2016). Curricular teaching chemistry analysis in Mexico in pre-university levels. Part II: The high school education. [Educacion Quimica](#), 27(3), 182-194.

113 Rivera-Figueroa, A. & Rivera-Rebolledo, J. M. (2016). A New Method to Solve the Second-Order Linear Difference Equations With Constant Coefficients. [International Journal of Mathematical Education in Science and Technology](#), 47(4), 636-649.

114 Aguilar-Lopez, R., Gomez-Acata, R. V., Lara-Cisneros, G. & Femat, R. (2016). Nonlinear and Robust Control Strategy Based on Chemotherapy to Minimize the Hiv Concentration in Blood Plasma. [Journal of Control Science and Engineering](#), 2016, 6284574.

115 Guerrero-Ortiz, C., Mejia-Velasco, H. R. & Camacho-Machin, M. (2016). Representations of a Mathematical Model as a Means of Analysing Growth Phenomena. [Journal of Mathematical Behavior](#), 42, 109-126.

116 Espinoza-Rivas, A. M., Perez-Guzman, M. A., Ortega-Amaya, R., Santoyo-Salazar, J., Gutierrez-Lazos, C. D. & Ortega-Lopez, M. (2016). Synthesis and Magnetic Characterization of Graphite-Coated Iron Nanoparticles. [Journal of Nanotechnology](#), 2016, 6571643.

117 Vazquez-Victorio, G., Gonzalez-Espinosa, C., Espinosa-Riquer, Z. P. & Macias-Silva, M. (2016). Gpcrs and Actin-Cytoskeleton Dynamics. [Methods in Cell Biology](#), 132, 165-188.

118 Hernandez-Mondragon, A. C., Herrera-Estrella, L. & Kuri-Harcuch, W. (2016). Legislative environment and others factors that inhibit transfer of Mexican publicly funded research into commercial ventures. [Technology in Society](#), 46, 100-108.

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

119 Berliner, D., Phillips, D., Zeidner, M., De Corte, E., Shavelson, R., De Ibarrola, M. & Clark, R. (2016). Gavriel Salomon: in Memoriam. [Educational Psychology Review](#), 28(2), 207-213.

120 Matos, T., Urena-Lopez, L. A. & Miranda, G. (2016). Wormhole Cosmic Censorship. [General Relativity and Gravitation](#), 48(5), 61.

121 De Folter, S. (2016). Auxin Is Required for Valve Margin Patterning in Arabidopsis After All. [Molecular Plant](#), 9(6), 768-770.

122 Saleh, A., Al-Abdallat, A., Ndamukong, I., Alvarez-Venegas, R. & Avramova, Z. (2016). The Arabidopsis Homologs of Trithorax (Atx1) and Enhancer of Zeste (Clf) Establish 'bivalent Chromatin Marks' at the Silent Agamous Locus (Vol 35, Pg 6290, 2007). [Nucleic Acids Research](#), 44(7), 3475-3476.

123 Villanueva-Cab, J., Anta, J. A. & Oskam, G. (2016). The Effect of Recombination Under Short-Circuit Conditions on the Determination of Charge Transport Properties in Nanostructured Photoelectrodes (Vol 18, Pg 2303, 2016). [Physical Chemistry Chemical Physics](#), 18(20), 14139.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

124 Villamarin-Gallegos, D., Oviedo-Pereira, D., Sepulveda-Jimenez, G., Evangelista-Lozano, S., Molina-Torres, J. & Rodriguez-Monroy, M. (2016). Micropropagation of Stevia Rebaudiana Bertoni in a Temporary Immersion Bioreactor; Phytochemicals Analysis of Plants. [In Vitro Cellular & Developmental Biology-Animal](#), 52, S57-S58.

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

125 Pineda, C., Hernandez, G. C., Jacobs, I. A., Alvarez, D. F. & Carini, C. (2016). Assessing the Immunogenicity of Biopharmaceuticals. [Biodrugs](#), 30(3), 195-206.

126 Romero-Arcos, M., Garnica-Romo, M. G., Martinez-Flores, H. E., Vazquez-Marrufo, G., Ramirez-Bon, R., Gonzalez-Hernandez, J. & Barbosa-Canovas, G. V. (2016). Enzyme Immobilization by Amperometric Biosensors With Tio2 Nanoparticles Used to Detect Phenol Compounds. [Food Engineering Reviews](#), 8(2), 235-250.

127 Yam-Puc, J. C., Cedillo-Barron, L., Aguilar-Medina, E. M., Ramos-Payan, R., Escobar-Gutierrez, A. & Flores-Romo, L. (2016). The Cellular Bases of Antibody Responses During Dengue Virus Infection. [Frontiers in Immunology](#), 7, 218.

128 Garcia-Cordero, J. L. & Maerkl, S. J. (2016). Mechanically Induced Trapping of Molecular Interactions and Its Applications. [Jala](#), 21(3), 356-367.

129 Davila-Velderrain, J., Martinez-Garcia, J. C. & Alvarez-Buylla, E. R. (2016). Dynamic Network Modelling to Understand Flowering Transition and Floral Patterning. [Journal of Experimental Botany](#), 67(9), 2565-2572.