

ARTÍCULOS DEL MES DE ENERO DE 2016

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

- 1 Garcia-Canedo, J. C., Cristiani-Urbina, E., Flores-Ortiz, C. M., Ponce-Noyola, T., Esparza-Garcia, F. & Canizares-Villanueva, R. O. (2016). Batch and Fed-Batch Culture of Scenedesmus Incrassatus: Effect Over Biomass, Carotenoid Profile and Concentration, Photosynthetic Efficiency and Non-Photochemical Quenching. [Algal Research-Biomass Biofuels and Bioproducts](#), 13, 41-52.
- 2 Bermudez, D. (2016). Wronskian Differential Formula for K-Confluent Susy Qm. [Annals of Physics](#), 364, 35-52.
- 3 Kravchenko, V. V., Morelos, S. & Torba, S. M. (2016). Liouville Transformation, Analytic Approximation of Transmutation Operators and Solution of Spectral Problems. [Applied Mathematics and Computation](#), 273, 321-336.
- 4 Garnica-Garza, H. M. (2016). Robotic Stereotactic Radioablation of Breast Tumors: Influence of Beam Size on the Absorbed Dose Distributions. [Applied Radiation and Isotopes](#), 107, 64-70.
- 5 Ramos-Velasco, L. E., Dominguez-Ramirez, O. A. & Parra-Vega, V. (2016). Wavenet Fuzzy Pid Controller for Nonlinear Mimo Systems: Experimental Validation on a High-End Haptic Robotic Interface. [Applied Soft Computing](#), 40, 199-205.
- 6 Fernandez-Luqueno, F., Lopez-Valdez, F., Dendooven, L., Luna-Suarez, S. & Ceballos-Ramirez, J. M. (2016). Why Wastewater Sludge Stimulates and Accelerates Removal of Pahs in Polluted Soils? [Applied Soil Ecology](#), 101, 1-4.
- 7 Munoz-Vazquez, A. J., Parra-Vega, V. & Sanchez-Orta, A. (2016). Uniformly Continuous Differintegral Sliding Mode Control of Nonlinear Systems Subject to Holder Disturbances. [Automatica](#), 66, 179-184.
- 8 Olivares-Nazario, M., Fernandez-Guasti, A. & Martinez-Mota, L. (2016). Age-Related Changes in the Antidepressant-Like Effect of Desipramine and Fluoxetine in the Rat Forced-Swim Test. [Behavioural Pharmacology](#), 27(1), 22-28.
- 9 Vazquez-Jimenez, J. G., Chavez-Reyes, J., Romero-Garcia, T., Zarain-Herzberg, A., Valdes-Flores, J., Galindo-Rosales, J. M., Rueda, A., Guerrero-Hernandez, A. & Olivares-Reyes, J. A. (2016). Palmitic Acid but Not Palmitoleic Acid Induces Insulin Resistance in a Human Endothelial Cell Line by Decreasing Serca Pump Expression. [Cellular Signalling](#), 28(1), 53-59.
- 10 Ibarra, M. N., Almanza, J. M., Cortes, D. A., Escobedo, J. C. & Martinez-Lopez, R. (2016). Chemical Interaction Between Ba-Celsian ($BaAl_2Si_2O_8$) and Molten Aluminum. [Ceramics International](#), 42(2), 3491-3496.

- 11 Martinez-Merlin, I., Guzman-Mendoza, J., Garcia-Hipolito, M., Sanchez-Resendiz, V. M., Lartundo-Rojas, L., Fragoso, R. J. & Falcony, C. (2016). Transparent and Low Surface Roughness HfO₂: Tb³⁺, Eu³⁺ Luminescent Thin Films Deposited by Usp Technique. *Ceramics International*, 42(2), 2446-2455.
- 12 Quiroz-Gonzalez, S., Rodriguez-Torres, E. E., Segura-Alegria, B., Pereira-Venegas, J., Lopez-Gomez, R. E. & Jimenez-Estrada, I. (2016). Detrended Fluctuation Analysis of Compound Action Potentials Re-Corded in the Cutaneous Nerves of Diabetic Rats. *Chaos Solitons & Fractals*, 83, 223-233.
- 13 Xiong, F. R., Schutze, O., Ding, Q. & Sun, J. Q. (2016). Finding Zeros of Nonlinear Functions Using the Hybrid Parallel Cell Mapping Method. *Communications in Nonlinear Science and Numerical Simulation*, 34, 23-37.
- 14 Brown, P. R. & Porter, R. M. (2016). Gears, Pre-gears and Related Domains. *Complex Variables and Elliptic Equations*, 61(1), 89-103.
- 15 Cruz-Olvera, D. & Calaminici, P. (2016). Investigation of Structures and Energy Properties of Molybdenum Carbide Clusters: Insight From Theory. *Computational and Theoretical Chemistry*, 1078, 55-64.
- 16 Sanchez-Escobedo, D., Castelan, M. & Smith, W. A. P. (2016). Statistical 3d Face Shape Estimation From Occluding Contours. *Computer Vision and Image Understanding*, 142, 111-124.
- 17 Garcia-Hernandez, J. J., Gomez-Flores, W. & Rubio-Loyola, J. (2016). Analysis of the Impact of Digital Watermarking on Computer-Aided Diagnosis in Medical Imaging. *Computers in Biology and Medicine*, 68, 37-48.
- 18 Tenorio-Fernandez, L., Gomez-Valdes, J., Marino-Tapia, I., Enriquez, C., Valle-Levinson, A. & Parra, S. M. (2016). Tidal Dynamics in a Frictionally Dominated Tropical Lagoon. *Continental Shelf Research*, 114, 16-28.
- 19 Bahrami, A., Soltani, N., Pech-Canul, M. I. & Gutierrez, C. A. (2016). Development of Metal-Matrix Composites From Industrial/Agricultural Waste Materials and Their Derivatives. *Critical Reviews in Environmental Science and Technology*, 46(2), 143-207.
- 20 Volovichev, I. N. & Gurevich, Y. G. (2016). Mechanisms of Charge Carriers Nonequilibrium in Transport Processes in Bipolar Semiconductors. *Current Applied Physics*, 16(2), 191-196.
- 21 Morales-Martinez, D. & Gonzalez, F. J. (2016). Reversible Reorganization of Alkyl Ester Groups Grafted on Glassy Carbon Electrode: Induction by a Redox Probe. *Electrochemistry Communications*, 62, 21-23.
- 22 Gamboa-Valero, N., Astudillo, P. D., Gonzalez-Fuentes, M. A., Leyva, M. A., Rosales-Hoz, M. D. & Gonzalez, F. J. (2016). Hydrogen Bonding Complexes in the Quinone-Hydroquinone System and the Transition to a Reversible Two-Electron Transfer Mechanism. *Electrochimica Acta*, 188, 602-610.

- 23 Zapotecas-Martinez, S. & Coello, C. A. C. (2016). Monss: a Multi-Objective Nonlinear Simplex Search Approach. [Engineering Optimization](#), 48(1), 16-38.
- 24 Mendez, M. A., Gonzalez-Horta, C., Sanchez-Ramirez, B. et al. (2016). Chronic Exposure to Arsenic and Markers of Cardiometabolic Risk: a Cross-Sectional Study in Chihuahua, Mexico. [Environmental Health Perspectives](#), 124(1), 104-111.
- 25 Perez de los Santos, A. I., Cayetano-Cruz, M., Gutierrez-Anton, M., Santiago-Hernandez, A., Plascencia-Espinosa, M., Farres, A. & Hidalgo-Lara, M. E. (2016). Improvement of Catalytical Properties of Two Invertases Highly Tolerant to Sucrose After Expression in Pichia Pastoris. Effect of Glycosylation on Enzyme Properties. [Enzyme and Microbial Technology](#), 83, 48-56.
- 26 Barba, L., Caraballo, L. E., Diaz-Banez, J. M., Fabila-Monroy, R. & Perez-Castillo, E. (2016). Asymmetric Polygons With Maximum Area. [European Journal of Operational Research](#), 248(3), 1123-1131.
- 27 Garcia-Martinez, B. A., Jaramillo-Morales, O. A., Espinosa-Juarez, J. V. et al. (2016). Antinociceptive Effects of a New Sigma-1 Receptor Antagonist (N-(2-Morpholin-4-Yl-Ethyl)-2-(1-Naphthoxy)Acetamide) in Two Types of Nociception. [European Journal of Pharmacology](#), 771, 10-17.
- 28 Centurion, D., De La Cruz, S. H., Gutierrez-Lara, E. J., Beltran-Ornelas, J. H. & Sanchez-Lopez, A. (2016). Pharmacological Evidence That Nahs Inhibits the Vasopressor Responses Induced by Stimulation of the Preganglionic Sympathetic Outflow in Pithed Rats. [European Journal of Pharmacology](#), 770, 40-45.
- 29 Armenta-Bojorquez, A. D., Roblero-Ramirez, H. R., Camacho-Baez, J. R., Mundo-Ocampo, M., Garcia-Gutierrez, C. & Armenta-Medina, A. (2016). Organic Versus Synthetic Fertilisation of Beans (*Phaseolus Vulgaris L.*) In Mexico. [Experimental Agriculture](#), 52(1), 154-162.
- 30 Clernpner, J. B. & Poznyak, A. S. (2016). Convergence Analysis for Pure Stationary Strategies in Repeated Potential Games: Nash, Lyapunov and Correlated Equilibria. [Expert Systems With Applications](#), 46, 474-484.
- 31 Tochimani, A., Vaz-Pinto, M. & Villarreal, R. H. (2016). Direct Products in Projective Segre Codes. [Finite Fields and Their Applications](#), 39, 96-110.
- 32 Valdivia-Anistro, J. A., Eguiarte-Frums, L. E., Delgado-Sapien, G., Marquez-Zacarias, P., Gasca-Pineda, J., Learned, J., Elser, J. J., Olmedo-Alvarez, G. & Souza, V. (2016). Variability of Rrna Operon Copy Number and Growth Rate Dynamics of Bacillus Isolated From an Extremely Oligotrophic Aquatic Ecosystem. [Frontiers in Microbiology](#), 6, 1486.
- 33 Lomanowska, A. M. & Melo, A. I. (2016). Deconstructing the Function of Maternal Stimulation in Offspring Development: Insights From the Artificial Rearing Model in Rats. [Hormones and Behavior](#), 77, 224-236.

- 34 Nuno-Sanchez, S. A., Ramirez-Trevino, A. & Ruiz-Leon, J. (2016). Structural Sequence Detectability in Free Choice Interpreted Petri Nets. [Ieee Transactions on Automatic Control](#), 61(1), 198-203.
- 35 Menchaca-Mendez, A. & Coello, C. A. C. (2016). Selection Mechanisms Based on the Maximin Fitness Function to Solve Multi-Objective Optimization Problems. [Information Sciences](#), 332, 131-152.
- 36 Nunez-Perez, J. C., Cardenas-Valdez, J. R., Montoya-Villegas, K., Reynoso-Hernandez, J. A., Loo-Yau, J. R., Gontrand, C. & Tlelo-Cuautle, E. (2016). Fpga-Based Test Bed for Measurement of Am/Am and Am/Pm Distortion and Modeling Memory Effects in Rf Pas. [Integration-the Vlsi Journal](#), 52, 291-300.
- 37 Gonzalez-Cuna, S., Galindez-Mayer, J., Ruiz-Ordaz, N., Murugesan, S., Pina-Escobedo, A., Garcia-Mena, J., Lima-Martinez, E. & Santoyo-Tepole, F. (2016). Aerobic Biofilm Reactor for Treating a Commercial Formulation of the Herbicides 2,4-D and Dicamba: Biodegradation Kinetics and Biofilm Bacterial Diversity. [International Biodeterioration & Biodegradation](#), 107, 123-131.
- 38 Hernandez-Garcia, S., Salazar-Montoya, J. A. & Totosaus, A. (2016). Emulsifying Properties of Food Proteins Conjugated With Glucose or Lactose by Two Methods (Spray-Drying or Freeze-Drying). [International Journal of Food Properties](#), 19(3), 526-536.
- 39 Lashkevych, I. & Gurevich, Y. G. (2016). Energy Flux in Semiconductors: Interaction of Thermal and Concentration Nonequilibriums. [International Journal of Heat and Mass Transfer](#), 92, 430-434.
- 40 Thenozhi, S. & Yu, W. (2016). Sliding Mode Control of Wind-Induced Vibrations Using Fuzzy Sliding Surface and Gain Adaptation. [International Journal of Systems Science](#), 47(6), 1258-1267.
- 41 Brigido-Gonzalez, J. D. & Rodriguez-Cortes, H. (2016). Experimental Validation of an Adaptive Total Energy Control System Strategy for the Longitudinal Dynamics of a Fixed-Wing Aircraft. [Journal of Aerospace Engineering](#), 29(1), 1061.
- 42 Valencia-Jaime, I., Sarmiento-Perez, R., Botti, S., Marques, M. A. L., Amsler, M., Goedecker, S. & Romero, A. H. (2016). Novel Crystal Structures for Lithium-Silicon Alloy Predicted by Minima Hopping Method. [Journal of Alloys and Compounds](#), 655, 147-154.
- 43 Santoshkumar, B., Kalyanaraman, S., Vettumperumal, R., Thangavel, R., Kityk, I. V. & Velumani, S. (2016). Structure-Dependent Anisotropy of the Photoinduced Optical Nonlinearity in Calcium Doped Zno Nanorods Grown by Low Cost Hydrothermal Method for Photonic Device Applications. [Journal of Alloys and Compounds](#), 658, 435-439.
- 44 Rodriguez, K. D., Enriquez-Medrano, F. J., Grande, D., Barreto, G. P., Canizo, A., Eyler, N., Merino, G. & Morales, G. (2016). Thermal Decomposition of Diethyl Ketone Triperoxide in Methyl Methacrylate: Theoretical and Experimental Study of the Initial Solvation State and Its Influence on the Polymerization Process. [Journal of Applied Polymer Science](#), 133(4), 42905.

45 Cardenas-Gonzalez, M., Jacobo-Estrada, T., Rodriguez-Munoz, R., Barrera-Chimal, J., Bobadilla, N. A., Barbier, O. C. & Del Razo, L. M. (2016). Sub-Chronic Exposure to Fluoride Impacts the Response to a Subsequent Nephrotoxic Treatment With Gentamicin. [Journal of Applied Toxicology](#), 36(2), 309-319.

46 Leon, P. A. & Martinez, G. J. (2016). Describing Complex Dynamics in Life-Like Rules With De Bruijn Diagrams on Complex and Chaotic Cellular Automata. [Journal of Cellular Automata](#), 11(1), 91-112.

47 Vergara-Castaneda, H., Hernandez-Martinez, A. R., Estevez, M., Mendoza, S., Luna-Barcenas, G. & Pool, H. (2016). Quercetin Conjugated Silica Particles as Novel Biofunctional Hybrid Materials for Biological Applications. [Journal of Colloid and Interface Science](#), 466, 44-55.

48 Pan, S., Moreno, D., Ghosh, S., Chattaraj, P. K. & Merino, G. (2016). Structure and Stability of Noble Gas Bound Ex³⁺ Compounds (E = C, Ge, Sn, Pb; X = H, F, Cl, Br). [Journal of Computational Chemistry](#), 37(2), 226-236.

49 Ordaz, P. & Poznyak, A. (2016). Adaptive-Robust Stabilization of the Furuta's Pendulum Via Attractive Ellipsoid Method. [Journal of Dynamic Systems Measurement and Control-Transactions of the Asme](#), 138(2), 021005.

50 Perez-Legaspi, I. A., Ortega-Clemente, L. A., Moha-Leon, J. D., Rios-Leal, E., Gutierrez, S. C. R. & Rubio-Franchini, I. (2016). Effect of the Pesticide Lindane on the Biomass of the Microalgae Nannochloris Oculata. [Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes](#), 51(2), 103-106.

51 Garcia-Armenta, E., Tellez-Medina, D. I., Sanchez-Segura, L., Alamilla-Beltran, L., Hernandez-Sanchez, H. & Gutierrez-Lopez, G. F. (2016). Multifractal Breakage Pattern of Tortilla Chips as Related to Moisture Content. [Journal of Food Engineering](#), 168, 96-104.

52 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of Transverse Momentum Relative to Dijet Systems in Pbpb and Pp Collisions at Root S(Nn)=2.76 Tev. [Journal of High Energy Physics](#), (1), 6.

53 Alazki, H. & Poznyak, A. (2016). Robust Output Stabilization for a Class of Nonlinear Uncertain Stochastic Systems Under Multiplicative and Additive Noises: the Attractive Ellipsoid Method. [Journal of Industrial and Management Optimization](#), 12(1), 169-186.

54 Alvarez, G., Conde-Gallardo, A., Montiel, H. & Zamorano, R. (2016). About Room Temperature Ferromagnetic Behavior in BaTiO₃ Perovskite. [Journal of Magnetism and Magnetic Materials](#), 401, 196-199.

55 Pariona, N., Camacho-Aguilar, K. I., Ramos-Gonzalez, R., Martinez, A. I., Herrera-Trejo, M. & Baggio-Saitovitch, E. (2016). Magnetic and Structural Properties of Ferrihydrite/Hematite Nanocomposites. [Journal of Magnetism and Magnetic Materials](#), 406, 221-227.

- 56 Gimenez, A. J., Ramirez-Wong, D. G., Favela-Camacho, S. E., Sanchez, I. C., Yanez-Limon, J. M. & Luna-Barcenas, G. (2016). Optical Detection of Magnetic Nanoparticles in Colloidal Suspensions. *Journal of Magnetism and Magnetic Materials*, 402, 150-155.
- 57 Xotlanihua-Flores, A., Montes-Tolentino, P., Sanchez-Ruiz, S. A., Suarez-Moreno, G. V., Galvez-Ruiz, J. C., Contreras, R. & Flores-Parra, A. (2016). New N-P-Chloropropyl]-Heterocyclohexanes. Nmr Long Range Shielding Effects of Chlorine Substituent. Use of Bh3 as Freezing Conformational Agent. *Journal of Molecular Structure*, 1106, 322-330.
- 58 Jimenez-Vazquez, E. N., Diaz-Velasquez, C. E., Uribe, R. M., Arias, J. M. & Garcia, U. (2016). Molecular Cloning and Expression of a Gaba Receptor Subunit From the Crayfish Procambarus Clarkii. *Journal of Neuroscience Research*, 94(2), 190-203.
- 59 Hernandez-Cruz, M. G., Zuno-Cruz, F. J., Alvarado-Rodriguez, J. G., Rosales-Hoz, M. J., Leyva, M. A., Salazar, V. & Sanchez-Cabrera, G. (2016). Reactivity of Triruthenium Diphosphine Clusters With 3,5-Bis(Trifluoromethyl)Mercaptobenzene: Electronic and Steric Influence of Diphosphines Onto Coordination Modes of Thiolate, Capping Sulfide, and Phosphide Groups to a Ru-3 Clusters. *Journal of Organometallic Chemistry*, 801, 157-170.
- 60 Ramirez-Andrade, M., De La Cruz-Cruz, J. I., Leyva-Ramirez, M. A., Guzei, I. A. & Paz-Sandoval, M. A. (2016). Synthesis, Structure and Chemistry of Dinuclear and Trinuclear Hexamethylbenzene Ruthenium Acyl Thiolate Compounds. *Journal of Organometallic Chemistry*, 801, 171-182.
- 61 Lardizabal-Gutierrez, D., Gonzalez-Quijano, D., Bartolo-Perez, P., Escobar-Morales, B., Rodriguez-Varela, F. J. & Alonso-Lemus, I. L. (2016). Communication-Synthesis of Self-Doped Metal-Free Electrocatalysts From Waste Leather With High Orr Activity. *Journal of the Electrochemical Society*, 163(2), H15-H17.
- 62 Hernandez-Ramirez, A., Sanchez-Castro, M. E., Alonso-Lemus, I., Aruna, K. K., Karthikeyan, P., Manoharan, R. & Rodriguez-Varela, F. J. (2016). Evaluation of the Nickel Titanate-Modified Pt Nanostructured Catalyst for the Orr in Alkaline Media. *Journal of the Electrochemical Society*, 163(2), F16-F24.
- 63 Ortega-Vidals, P., Juarez-Reyes, S. A., Silva-Ortigoza, G. & Cabrera-Rosas, O. D. (2016). Internal Structure of an Optical Null Ronchi Grating Test for a Plano-Parabolic Lens. *Journal of the Optical Society of America a-Optics Image Science and Vision*, 33(1), 44-51.
- 64 Bogoya, J. M., Bottcher, A., Grudsky, S. M. & Maximenk, E. A. (2016). Eigenvectors of Hermitian Toeplitz Matrices With Smooth Simple-Loop Symbols. *Linear Algebra and Its Applications*, 493, 606-637.
- 65 Gonzalez-Herrera, S. M., Rutiaga-Quinones, O. M., Aguilar, C. N., Ochoa-Martinez, L. A., Contreras-Esquivel, J. C., Lopez, M. G. & Rodriguez-Herrera, R. (2016). Dehydrated Apple Matrix Supplemented With Agave Fructans, Inulin, and Oligofructose. *Lwt-Food Science and Technology*, 65, 1059-1065.

66 Trujillo-Vazquez, E., Pech-Canul, M. I., Guia-Tello, J. C. & Pech-Canul, M. A. (2016). Surface Chemistry Modification for Elimination of Hydrophilic Al₄c₃ in B₄c/Al Composites. [Materials & Design](#), 89, 94-101.

67 Lopez-Salazar, P., Martinez-Juarez, J., Juarez-Diaz, G., De Anda-Salazar, F., Pena-Sierra, R., Garcia-Borquez, A. & Hernandez-De la Luz, A. D. (2016). Characterization of Al_{0.047}ga_{0.953}sb Layers Grown on Gasb Using Reciprocal Space Maps. [Materials Letters](#), 166, 239-242.

68 Lopez-Calzada, G., Hernandez-Martinez, A. R., Cruz-Soto, M., Ramirez-Cardona, M., Rangel, D., Molina, G. A., Luna-Barcenas, G. & Estevez, M. (2016). Development of Meniscus Substitutes Using a Mixture of Biocompatible Polymers and Extra Cellular Matrix Components by Electrospinning. [Materials Science & Engineering C-Materials for Biological Applications](#), 61, 893-905.

69 Hamui, L., Monroy, B. M., Kim, K. H., Lopez-Suarez, A., Santoyo-Salazar, J., Lopez-Lopez, M., Cabarrocas, P. R. I. & Santana, G. (2016). Effect of Deposition Temperature on Polymorphous Silicon Thin Films by Pecvd: Role of Hydrogen. [Materials Science in Semiconductor Processing](#), 41, 390-397.

70 Santos-Cruz, D., Mayen-Hernandez, S. A., De Moure-Flores, F., Arias-Ceron, J. S. & Santos-Cruz, J. (2016). Evaporated Iron Disulfide Thin Films With Sulfurated Annealing Treatments. [Materials Science in Semiconductor Processing](#), 42, 383-389.

71 Galvan, C., Galvan, M., Arias-Ceron, J. S., Lopez-Luna, E., Vilchis, H. & Sanchez-R, V. M. (2016). Structural and Raman Studies of Ga₂O₃ Obtained on Gaas Substrate. [Materials Science in Semiconductor Processing](#), 41, 513-518.

72 Clempner, J. B. & Poznyak, A. S. (2016). Solving the Pareto Front for Multiobjective Markov Chains Using the Minimum Euclidean Distance Gradient-Based Optimization Method. [Mathematics and Computers in Simulation](#), 119, 142-160.

73 Morales, R., Segura, E., Somolinos, J. A., Nunez, L. R. & Sira-Ramirez, H. (2016). Online Signal Filtering Based on the Algebraic Method and Its Experimental Validation. [Mechanical Systems and Signal Processing](#), 66-67, 374-387.

74 Tang, J., Yu, W., Chai, T. Y., Liu, Z. & Zhou, X. J. (2016). Selective Ensemble Modeling Load Parameters of Ball Mill Based on Multi-Scale Frequency Spectral Features and Sphere Criterion. [Mechanical Systems and Signal Processing](#), 66-67, 485-504.

75 Concha, A., Alvarez-Icaza, L. & Garrido, R. (2016). Simultaneous Parameter and State Estimation of Shear Buildings. [Mechanical Systems and Signal Processing](#), 70-71, 788-810.

76 Hernandez-Como, N., Morales-Acevedo, A., Aleman, M., Mejia, I. & Quevedo-Lopez, M. A. (2016). Al-Doped Zno Thin Films Deposited by Confocal Sputtering as Electrodes in Zno-Based Thin-Film Transistors. [Microelectronic Engineering](#), 150, 26-31.

77 Estrada, M., Rivas, M., Garduno, I., Avila-Herrera, F., Cerdeira, A., Pavanello, M., Mejia, I. & Quevedo-Lopez, M. A. (2016). Temperature Dependence of the Electrical Characteristics up to 370 K of Amorphous in-Ga-Zno Thin Film Transistors. [Microelectronics Reliability](#), 56, 29-33.

78 Alvarez-Silva, M., Uribe-Salas, A., Waters, K. E. & Finch, J. A. (2016). Zeta Potential Study of Pentlandite in the Presence of Serpentine and Dissolved Mineral Species. [Minerals Engineering](#), 85, 66-71.

79 Ruiz-Fuertes, J., Gomis, O., Leon-Luis, S. F. et al. (2016). Pressure-Induced Amorphization of Y₂O₃:Eu³⁺ Nanoboxes. [Nanotechnology](#), 27(2), 025701.

80 Pech-May, N. W., Mendioroz, A. & Salazar, A. (2016). Simultaneous Measurement of the in-Plane and in-Depth Thermal Diffusivity of Solids Using Pulsed Infrared Thermography With Focused Illumination. [Ndt & E International](#), 77, 28-34.

81 Gomez, W., Pereira, W. C. A. & Infantosi, A. F. C. (2016). Evolutionary Pulse-Coupled Neural Network for Segmenting Breast Lesions on Ultrasonography. [Neurocomputing](#), 175, 877-887.

82 Herrera-Salazar, A., Garcia-Villegas, R., Aragon, J., Sanchez-Trujillo, A., Ceja, V., Martinez-Herrera, A., Merino-Jimenez, C. & Montanez, C. (2016). Overexpression of Mutant Dystrophin Dp71 Delta(78-79) Stimulates Cell Proliferation. [Neuroreport](#), 27(1), 6-11.

83 Martinez-Levy, G. A., Rocha, L., Lubin, F. D. et al. (2016). Increased Expression of Bdnf Transcript With Exon Vi in Hippocampi of Patients With Pharmaco-Resistant Temporal Lobe Epilepsy. [Neuroscience](#), 314, 12-21.

84 Quintero, H., Gomez-Montalvo, A. I. & Lamas, M. (2016). MicroRNA Changes Through Muller Glia Dedifferentiation and Early/Late Rod Photoreceptor Differentiation. [Neuroscience](#), 316, 109-121.

85 Gudino-Mendoza, B., Lopez-Mellado, E. & Alla, H. (2016). A Linear Characterization of the Switching Dynamic Behavior of Timed Continuous Petri Nets With Structural Conflicts. [Nonlinear Analysis-Hybrid Systems](#), 19, 38-59.

86 Vargas-Robles, H., Citalan-Madrid, A. F., Garcia-Ponce, A., Silva-Olivares, A., Shibayama, M., Betanzos, A., Del Valle-Mondragon, L., Nava, P. & Schnoor, M. (2016). Experimental Colitis Is Attenuated by Cardioprotective Diet Supplementation That Reduces Oxidative Stress, Inflammation, and Mucosal Damage. [Oxidative Medicine and Cellular Longevity](#), 2016, 8473242.

87 Ocadiz-Ruiz, R., Fonseca, W., Linford, A. S., Yoshino, T. P., Orozco, E. & Rodriguez, M. A. (2016). The Knockdown of Each Component of the Cysteine Proteinase-Adhesin Complex of Entamoeba Histolytica (Ehcpadh) Affects the Expression of the Other Complex Element as Well as the in Vitro and in Vivo Virulence. [Parasitology](#), 143(1), 50-59.

88 Vargas-Caamal, A., Pan, S., Ortiz-Chi, F., Cabellos, J. L., Boto, R. A., Contreras-Garcia, J., Restrepo, A., Chattaraj, P. K. & Merino, G. (2016). How Strong Are the Metallocene-Metallocene Interactions? Cases of Ferrocene, Ruthenocene, and Osmocene. [Physical Chemistry Chemical Physics](#), 18(1), 550-556.

89 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Resonant T(T)Over-Bar Production in Proton-Proton Collisions at Root S=8 Tev. [Physical Review D](#), 93(1), 012001.

- 90 Saldana-Salazar, U. J. (2016). The Flavor-Blind Principle: a Symmetrical Approach to the Gatto-Sartori-Tonin Relation. [Physical Review D](#), 93(1), 013002.
- 91 Contreras-Astorga, A., Negro, J. & Tristao, S. (2016). Confinement of an Electron in a Non-Homogeneous Magnetic Field: Integrable Vs Superintegrable Quantum Systems. [Physics Letters A](#), 380(1-2), 48-55.
- 92 Eguibar, J. R., Cortes, C., Toriz, C. G., Romero-Carbente, J. C., Gonzalez-Flores, O. & Fernandez-Guasti, A. (2016). Differential Organization of Male Copulatory Patterns in High- and Low-Yawning-Frequency Sublines Versus Outbred Sprague-Dawley Rats. [Physiology & Behavior](#), 153, 84-90.
- 93 Alos, E. & Leon, J. A. (2016). On the Short-Maturity Behaviour of the Implied Volatility Skew for Random Strike Options and Applications to Option Pricing Approximation. [Quantitative Finance](#), 16(1), 31-42.
- 94 Rangel-Mendez, J. A., Arcega-Cabrera, F. E., Fargher, L. F. & Moo-Puc, R. E. (2016). Mercury Levels Assessment and Its Relationship With Oxidative Stress Biomarkers in Children From Three Localities in Yucatan, Mexico. [Science of the Total Environment](#), 543, 187-196.
- 95 Cruz-Lopez, M., Estala-Arias, S. & Murillo-Salas, A. (2016). A Random Walk on the Profinite Completion of Z. [Statistics & Probability Letters](#), 109, 130-138.
- 96 Reyes-Rangel, G., Vargas-Caporali, J. & Juaristi, E. (2016). In Search of Diamine Analogs of the Alpha,Alpha-Diphenyl Prolinol Privileged Chiral Organocatalyst. Synthesis of Diamine Derivatives of Alpha,Alpha-Diphenyl-(S)-Prolinol and Their Application as Organocatalysts in the Asymmetric Michael and Mannich Reactions. [Tetrahedron](#), 72(3), 379-391.
- 97 Mendez-Gamboa, J. A., Castro-Rodriguez, R., Perez-Quintana, I. V., Medina-Esquivel, R. A. & Martel-Arbelo, A. (2016). A Figure of Merit to Evaluate Transparent Conductor Oxides for Solar Cells Using Photonic Flux Density. [Thin Solid Films](#), 599, 14-18.
- 98 Pacheco-Rivera, R., Fattel-Fazenda, S., Arellanes-Robledo, J. et al. (2016). Double Staining of Beta-Galactosidase With Fibrosis and Cancer Markers Reveals the Chronological Appearance of Senescence in Liver Carcinogenesis Induced by Diethylnitrosamine. [Toxicology Letters](#), 241, 19-31.
- 99 Escamilla-Rivera, V., Uribe-Ramirez, M., Gonzalez-Pozos, S., Lozano, O., Lucas, S. & De Vizcaya-Ruiz, A. (2016). Protein Corona Acts as a Protective Shield Against Fe3O4-Peg Inflammation and ROS-Induced Toxicity in Human Macrophages. [Toxicology Letters](#), 240(1), 172-184.
- 100 Zacapala-Gomez, A. E., Del Moral-Hernandez, O., Villegas-Sepulveda, N., Hidalgo-Miranda, A., Romero-Cordoba, S. L., Beltran-Anaya, F. O., Leyva-Vazquez, M. A., Alarcon-Romero, L. D. & Illades-Aguiar, B. (2016). Changes in Global Gene Expression Profiles Induced by Hpv 16 E6 Oncoprotein Variants in Cervical Carcinoma C33-a Cells. [Virology](#), 488, 187-195.
- 101 Hernandez, B. A., Sandoval-Jaime, C., Sosnovev, S. V., Green, K. Y. & Gutierrez-Escalano, A. L. (2016). Nucleolin Promotes in Vitro Translation of Feline Calicivirus Genomic Rna. [Virology](#), 489, 51-62.

102 Alcala, A. C., Medina, F., Gonzalez-Robles, A., Salazar-Villatoro, L., Fragozo-Soriano, R. J., Vasquez, C., Cervantes-Salazar, M., Del Angel, R. M. & Ludert, J. E. (2016). The Dengue Virus Non-Structural Protein 1 (Ns1) Is Secreted Efficiently From Infected Mosquito Cells. [Virology](#), 488, 278-287.

103 Leon-Juarez, M., Martinez-Castillo, M., Shrivastava, G., Garcia-Cordero, J., Villegas-Sepulveda, N., Mondragon-Castelan, M., Mondragon-Flores, R. & Cedillo-Barron, L. (2016). Recombinant Dengue Virus Protein Ns2b Alters Membrane Permeability in Different Membrane Models. [Virology Journal](#), 13, 1.

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

104 Cruz-Ortiz, B. R., Diaz-Jimenez, L. & Cortes-Hernandez, A. (2016). Characterization and Biotechnological Clean-up Process of a TiO₂ Spent Catalyst. [International Journal of Environmental Science and Development](#), 7(7), 486-489.

105 Santos-Trigo, M. & Reyes-Rodriguez, A. (2016). The Use of Digital Technology in Finding Multiple Paths to Solve and Extend an Equilateral Triangle Task. [International Journal of Mathematical Education in Science and Technology](#), 47(1), 58-81.

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

106 Quintanar, L. (2016). Sustaining Life on Planet Earth: Metalloenzymes Mastering Dioxygen and Other Chewy Gases, Metal Ions in Life Sciences, Volume 15, Guest editors: Peter M.H. Kroneck, Martha E. Sosa Torres, Series editors: Astrid Sigel, Helmut Sigel, Roland K.O. Sigel, Springer International Publishing AG, Switzerland, 2015, 329 pp. [ISSN 1559-0836; ISSN 1868-0402 (electronic); ISBN 978-3-319-12414-8; ISBN 978-3-319-12415-5 (eBook); DOI 10.1007/978-3-319-12415-5]. [Journal of Inorganic Biochemistry](#), 156, 48.

107 Alvarez, G., Montiel, H., Conde-Gallardo, A. & Zamorano, R. (2016). Non-Resonant Microwave Absorption in Terbium Powders. [Journal of Superconductivity and Novel Magnetism](#), 29(1), 15-18.

108 Pablo-Rodriguez, N., Olivera-Gomez, L. D., Auñoles-Gamboa, D. & Vega-Cendejas, M. E. (2016). Seasonal Differences in the Feeding Habits of the Antillean Manatee Population (*Trichechus manatus manatus*) in the Fluvial-Lagoon Systems of Tabasco, Mexico. [Marine Mammal Science](#), 32(1), 363-375.

109 Canas, B. C., Miranda, O. G., Parada, A., Tortola, M. & Valle, J. W. F. (2016). Updating neutrino magnetic moment constraints. [Physics Letters B](#), 753, 191-198.

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

110 Flores, G., Morales-Medina, J. C. & Diaz, A. (2016). Neuronal and brain morphological changes in animal models of schizophrenia. [Behavioural Brain Research](#), 301, 190-203.

111 Marsch-Martinez, N. & De Folter, S. (2016). Hormonal Control of the Development of the Gynoecium. [Current Opinion in Plant Biology](#), 29, 104-114.

112 Del Toro-De Leon, G., Lepe-Soltero, D. & Gillmor, C. S. (2016). Zygotic Genome Activation in Isogenic and Hybrid Plant Embryos. [Current Opinion in Plant Biology](#), 29, 148-153.

113 Gonzalez-Mariscal, G., Caba, M., Martinez-Gomez, M., Bautista, A. & Hudson, R. (2016). Mothers and offspring: The rabbit as a model system in the study of mammalian maternal behavior and sibling interactions: Parental Care. [Hormones and Behavior](#), 77, 30-41.

ARTÍCULOS DEL MES DE FEBRERO DE 2016

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

- 1 Quintanar, L., Dominguez-Calva, J. A., Serebryany, E., Rivillas-Acevedo, L., Haase-Pettingell, C., Amero, C. & King, J. A. (2016). Copper and Zinc Ions Specifically Promote Nonamyloid Aggregation of the Highly Stable Human Gamma-D Crystallin. [Acs Chemical Biology](#), 11(1), 263-272.
- 2 Rodriguez-Vazquez, R., Sanchez, S., Mena-Espino, X. & Amezcu-Allieri, M. A. (2016). Identification of the Medicinal Plant Species With the Potential for Remediation of Hydrocarbons Contaminated Soils. [Acta Physiologiae Plantarum](#), 38(1), 23.
- 3 Azcorra, H., Vazquez-Vazquez, A., Mendez, N., Salazar, J. C. & Datta-Banik, S. (2016). Maternal maya ancestry and birth weight in Yucatan, Mexico. [American Journal of Human Biology](#), 28, 436-439.
- 4 Valadez-Bustos, M. G., Aguado-Santacruz, G. A., Tiessen-Favier, A., Robledo-Paz, A., Munoz-Orozco, A., Rascon-Cruz, Q. & Santacruz-Varela, A. (2016). A Reliable Method for Spectrophotometric Determination of Glycine Betaine in Cell Suspension and Other Systems. [Analytical Biochemistry](#), 498, 47-52.
- 5 Martinez-Guerra, R., Cruz-Ancona, C. D. & Perez-Pinacho, C. A. (2016). Generalized Multi-Synchronization Viewed as a Multi-Agent Leader-Following Consensus Problem. [Applied Mathematics and Computation](#), 282, 226-236.
- 6 Yu, W., Zamora, E. & Soria, A. (2016). Ellipsoid Slam: a Novel Set Membership Method for Simultaneous Localization and Mapping. [Autonomous Robots](#), 40(1), 125-137.
- 7 Garcia, M., Garcia-Pedraza, J. A., Villalon, C. M. & Moran, A. (2016). Pharmacological Evidence That Histamine H-3 Receptors Mediate Histamine-Induced Inhibition of the Vagal Bradycardic Out-Flow in Pithed Rats. [Basic & Clinical Pharmacology & Toxicology](#), 118(2), 113-121.
- 8 Quintas-Granados, L. I., Carvajal-Gamez, B. I., Villalpando, J. L., Ortega-Lopez, J., Arroyo, R., Azuara-Liceaga, E. & Alvarez-Sanchez, M. E. (2016). Bifunctional activity of deoxyhypusine synthase/hydroxylase from Trichomonas vaginalis. [Biochimie](#), 123, 37-51.
- 9 Albores-Garcia, D., Acosta-Saavedra, L. C., Hernandez, A. J., Loera, M. J. & Calderon-Aranda, E. S. (2016). Early Developmental Low-Dose Methylmercury Exposure Alters Learning and Memory in Periadolescent but Not Young Adult Rats. [Biomed Research International](#), 2016, 6532108.
- 10 Alvarado-Serrano, C., Luna-Lozano, P. S. & Pallas-Areny, R. (2016). An algorithm for beat-to-beat heart rate detection from the BCG based on the continuous spline wavelet transform. [Biomedical Signal Processing and Control](#), 27, 96-102.

- 11 Ortiz, M. I., Fernandez-Martinez, E., Soria-Jasso, L. E., Lucas-Gomez, I., Villagomez-Ibarra, R., Gonzalez-Garcia, M. P., Castaneda-Hernandez, G. & Salinas-Caballero, M. (2016). Isolation, Identification and Molecular Docking as Cyclooxygenase (Cox) Inhibitors of the Main Constituents of Matricaria Chamomilla L. Extract and Its Synergistic Interaction With Diclofenac on Nociception and Gastric Damage in Rats. [Biomedicine & Pharmacotherapy](#), 78, 248-256.
- 12 Barragan-Iglesias, P., Pineda-Farias, J. B., Bravo-Hernandez, M., Cervantes-Duran, C., Price, T. J., Murbartian, J. & Granados-Soto, V. (2016). Predominant Role of Spinal P2y(1) Receptors in the Development of Neuropathic Pain in Rats. [Brain Research](#), 1636, 43-51.
- 13 Vidal-Dorsch, D. E., Bay, S. M., Moore, S. et al. (2016). Ecotoxicogenomics: Microarray Interlaboratory Comparability. [Chemosphere](#), 144, 193-200.
- 14 Romero-Nava, R., Rodriguez, J. E., Resendiz-Albor, A. A., Sanchez-Munoz, F., Ruiz-Hernandez, A., Huang, F., Hong, E. & Villafana, S. (2016). Changes in Protein and Gene Expression of Angiotensin II Receptors (At1 and At2) in Aorta of Diabetic and Hypertensive Rats. [Clinical and Experimental Hypertension](#), 38(1), 56-62.
- 15 Alcantara-Montiel, J. C., Staines-Boone, T., Lopez-Herrera, G., Espinosa-Rosales, F., Espinosa-Padilla, S. E., Hernandez-Rivas, R. & Santos-Argumedo, L. (2016). Functional Characterization of Two New Stat3 Mutations Associated With Hyper-IgE Syndrome in a Mexican Cohort. [Clinical Genetics](#), 89(2), 217-221.
- 16 Sotelo-Castanon, J., Gutierrez-Robles, J. A., Moreno, P., Galvan-Sanchez, V. A., Garcia-Sanchez, J. L. & Banuelos-Cabral, E. S. (2016). Characterization of Signals Consisting of Multiple Time-Varying Sinusoidal Components. [Compel-the International Journal for Computation and Mathematics in Electrical and Electronic Engineering](#), 35(1), 80-101.
- 17 Delgado-Aguinaga, J. A., Besancon, G., Begovich, O. & Carvajal, J. E. (2016). Multi-leak diagnosis in pipelines based on Extended Kalman Filter. [Control Engineering Practice](#), 49, 139-148.
- 18 Lopez-Valdez, H. H., Sanchez-Cruz, H. & Mascorro-Pantoja, M. C. (2016). Single chains to represent groups of objects. [Digital Signal Processing](#), 51, 73-81.
- 19 Hernandez-Leon, A., Fernandez-Guasti, A. & Gonzalez-Trujano, M. E. (2016). Rutin Antinociception Involves Opioidergic Mechanism and Descending Modulation of Ventrolateral Periaqueductal Grey Matter in Rats. [European Journal of Pain](#), 20(2), 274-283.
- 20 Pinacho-Garcia, M., Marichal-Cancino, B. A. & Villalon, C. M. (2016). Further Evidence for the Role of Histamine H-3, but Not H-1, H-2 or H-4, Receptors in Immeip-Induced Inhibition of the Rat Cardioaccelerator Sympathetic Outflow. [European Journal of Pharmacology](#), 773, 85-92.
- 21 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of Differential Cross Sections for Higgs Boson Production in the Diphoton Decay Channel in Pp Collisions at Root S=8tev. [European Physical Journal C](#), 76(1), 13.

- 22 Chaquilla-Quilca, G., Balandran-Quintana, R. R., Azamar-Barrios, J. A., Montfort, G. R. C., Mendoza-Wilson, A. M., Mercado-Ruiz, J. N., Madera-Santana, T. J., Lopez-Franco, Y. L. & Luna-Valdez, J. G. (2016). Synthesis of Tubular Nanostructures From Wheat Bran Albumins During Proteolysis With V8 Protease in the Presence of Calcium Ions. *Food Chemistry*, 200, 16-23.
- 23 Estrada-Mata, E., Navarro-Arias, M. J., Perez-Garcia, L. A., Mellado-Mojica, E., Lopez, M. G., Csonka, K., Gacser, A. & Mora-Montes, H. M. (2016). Members of the Candida Parapsilosis Complex and Candida Albicans Are Differentially Recognized by Human Peripheral Blood Mononuclear Cells. *Frontiers in Microbiology*, 6, 1527.
- 24 Gomez-Lunar, Z., Hernandez-Gonzalez, I., Rodriguez-Torres, M. D., Souza, V. & Olmedo-Alvarez, G. (2016). Microevolution Analysis of Bacillus Coahuilensis Unveils Differences in Phosphorus Acquisition Strategies and Their Regulation. *Frontiers in Microbiology*, 7, 58.
- 25 Rivera-Tapia, E. D., Fajardo, C. A., Avila-Vega, A. J., Avila, C. F., Sanchez-Arevalo, F. M., Chango-Villacis, I., Quiroz-Chavez, F. J., Santoyo-Salazar, J. & Dante, R. C. (2016). Synthesis of Boron Carbon Nitride Oxide (Bcno) From Urea and Boric Acid. *Fullerenes Nanotubes and Carbon Nanostructures*, 24(1), 8-12.
- 26 Shkvarko, Y. V., Yanez, J. I., Amao, J. A. & Del Campo, G. D. M. (2016). Radar/Sar Image Resolution Enhancement Via Unifying Descriptive Experiment Design Regularization and Wavelet-Domain Processing. *Ieee Geoscience and Remote Sensing Letters*, 13(2), 152-156.
- 27 Lin, Q. Z., Liu, Z. W., Yan, Q., Du, Z. H., Coello, C. A. C., Liang, Z. P., Wang, W. J. & Chen, J. Y. (2016). Adaptive Composite Operator Selection and Parameter Control for Multiobjective Evolutionary Algorithm. *Information Sciences*, 339, 332-352.
- 28 Baque, L., Padmasree, K. P., Reyes, M. A. C., Troiani, H., Serquis, A. & Soldati, A. (2016). Improved Sr_{0.6}La_{0.4}Co_{0.8}Fe_{0.2}O₃-Delta/Ce_{0.8}Y_{0.2}O₂-Delta Interface for It-Sofc Applications. *International Journal of Hydrogen Energy*, 41(3), 1958-1965.
- 29 Morales-Acosta, D., Rodriguez-Varela, F. J. & Benavides, R. (2016). Template-Free Synthesis of Ordered Mesoporous Carbon: Application as Support of Highly Active Pt Nanoparticles for the Oxidation of Organic Fuels. *International Journal of Hydrogen Energy*, 41(5), 3387-3398.
- 30 Lashkevych, I. & Gurevich, Y. G. (2016). Linear Electrical Conductivity of a Bipolar Semiconductor: Heating and Recombination. *International Journal of Thermophysics*, 37(1).
- 31 Ayala-Sumuano, J. T., Velez-Delvalle, C., Marsch-Moreno, M., Beltran-Langarica, A., Hernandez-Mosqueira, C. & Kuri-Harcuch, W. (2016). Retinoic Acid Inhibits Adipogenesis Modulating C/Ebp Beta Phosphorylation and Down Regulating Srebf1a Expression. *Journal of Cellular Biochemistry*, 117(3), 629-637.
- 32 Casares-Salazar, R. & Marino-Tapia, I. (2016). Influence of the Remote Forcing and Local Winds on the Barotropic Hydrodynamics of an Elongated Coastal Lagoon. *Journal of Coastal Research*, 32(1), 116-130.

- 33 Mayoral-Villa, E., Alvarado-Rodriguez, C. E., Klapp, J., Gomez-Gesteira, M. & Sigalotti, L. G. (2016). Smoothed particle hydrodynamics: Applications to migration of radionuclides in confined aqueous systems. [Journal of Contaminant Hydrology](#), 187, 65-78.
- 34 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for a Very Light Nmssm Higgs Boson Produced in Decays of the 125 Gev Scalar Boson and Decaying Into Tau Leptons in Pp Collisions at Root 8=Tev. [Journal of High Energy Physics](#), (1), 079.
- 35 Gonzalez-Dominguez, E., Dominguez-Soto, A., Nieto, C. et al. (2016). Atypical Activin a and Il-10 Production Impairs Human Cd16(+) Monocyte Differentiation Into Anti- Inflammatory Macrophages. [Journal of Immunology](#), 196(3), 1327-1337.
- 36 Salinas-Beltran, J., Salinas-Rodriguez, A., Gutierrez-Castaneda, E. & Lara, R. D. (2016). Effects of Processing Conditions on the Final Microstructure and Magnetic Properties in Non-Oriented Electrical Steels. [Journal of Magnetism and Magnetic Materials](#), 406, 159-165.
- 37 Jasso-Fuentes, H., Escobedo-Trujillo, B. A. & Mendoza-Perez, A. F. (2016). The Lagrange and the Vanishing Discount Techniques to Controlled Diffusions With Cost Constraints. [Journal of Mathematical Analysis and Applications](#), 437(2), 999-1035.
- 38 Ramos, A., Raposo, M., Mila, M. et al. (2016). Verification of Inter-Laboratorial Genotyping Consistency in the Molecular Diagnosis of Polyglutamine Spinocerebellar Ataxias. [Journal of Molecular Neuroscience](#), 58(1), 83-87.
- 39 Garcia-Lopez, M. C., Munoz-Flores, B. M., Chan-Navarro, R., Jimenez-Perez, V. M., Moggio, I., Arias, E., Rodriguez-Ortega, A. & Ochoa, M. E. (2016). Microwave-Assisted Synthesis, Third-Order Nonlinear Optical Properties, Voltammetry Cyclic and Theoretical Calculations of Organotin Compounds Bearing Push-Pull Schiff Bases. [Journal of Organometallic Chemistry](#), 806, 68-76.
- 40 Xochitiotzi-Flores, E., Islas-Mejia, A. A., Garcia-Ortega, H. et al. (2016). On the Structure of Meso-Substituted F-Bodipys and Their Assembly in Molecular Crystals: an Experimental-Theoretical Approach. [Journal of Organometallic Chemistry](#), 805, 148-157.
- 41 Rodriguez-Guerrero, L., Santos-Sanchez, O. & Mondie, S. (2016). A Constructive Approach for an Optimal Control Applied to a Class of Nonlinear Time Delay Systems. [Journal of Process Control](#), 40, 35-49.
- 42 Mejia-Garcia, C., Sanchez-Sanchez, A., Ayala-Torres, M. A., Lopez-Lopez, J. L., Paniagua-Mercado, A. M., Frutis, M. A. A. & Romero-Ibarra, J. (2016). Effect of the Al Concentration in Zinc Oxide Nanowires Hydrothermally Grown on Ito-Pet. [Journal of the Australian Ceramic Society](#), 52(1), 56-59.
- 43 Guerra-Fuentes, L., Lara, R. D., Hernandez-Rodriguez, M. A. L., Salinas-Rodriguez, A. & Garcia-Sanchez, E. (2016). Thermal Stability and Phase Transformations of a Fv535 Steel. [Journal of Thermal Analysis and Calorimetry](#), 123(1), 27-33.

- 44 Victoria-Valenzuela, D., Herrera-Ordonez, J. & Luna-Barcenas, G. (2016). Toward a General Methodology for Modeling Diffusive-Controlled Reactions in Free Radical Polymerization. [Macromolecular Theory and Simulations](#), 25(1), 28-44.
- 45 Kumar-Jayaraman, V., Maldonado-Alvarez, A., Matsumoto-Kuwabara, Y., Koudriavstev, Y. & Olvera-Amador, M. L. (2016). Effect of co-doping concentration on structural, morphological, optical and electrical properties of aluminium and indium co-doped ZnO thin films deposited by ultrasonic spray pyrolysis. [Materials Science in Semiconductor Processing](#), 47, 32-36.
- 46 Enriquez-Zarate, J., Silva-Navarro, G. & Abundis-Fong, H. F. (2016). Active Vibration Suppression Through Positive Acceleration Feedback on a Building-Like Structure: an Experimental Study. [Mechanical Systems and Signal Processing](#), 72-73, 451-461.
- 47 Alvarado-Macias, G., Fuentes-Aceituno, J. C. & Nava-Alonso, F. (2016). Study of Silver Leaching With the Thiosulfate-Nitrite-Copper Alternative System: Effect of Thiosulfate Concentration and Leaching Temperature. [Minerals Engineering](#), 86, 140-148.
- 48 Chavez-Solano, M., Ibarra-Sanchez, A., Trevino, M., Gonzalez-Espinosa, C. & Lamas, M. (2016). Fyn kinase genetic ablation causes structural abnormalities in mature retina and defective Muller cell function. [Molecular and Cellular Neuroscience](#), 72, 91-100.
- 49 Rangel-Kuoppa, V. T., Tonkikh, A., Zakharov, N., Eisenschmidt, C. & Werner, P. (2016). Valence Band Offset at the Si/SiSn Interface by Applying Deep Level Transient Spectroscopy. [Nanotechnology](#), 27(7), 075705.
- 50 Lozano-Amado, D., Herrera-Solorio, A. M., Valdes, J., Aleman-Lazarini, L., Almaraz-Barrera, M. D. J., Luna-Rivera, E., Vargas, M. & Hernandez-Rivas, R. (2016). Identification of Repressive and Active Epigenetic Marks and Nuclear Bodies in Entamoeba Histolytica. [Parasites & Vectors](#), 9(1), 19.
- 51 Tzitzitlini, A. G., Pedro, S. C., Martha, P. A. E., Rodolfo, D. L. & Arturo, H. C. (2016). Modulation of Spontaneous Intracellular Ca²⁺ Fluctuations and Spontaneous Cholinergic Transmission in Rat Chromaffin Cells in Situ by Endogenous Gaba Acting on Gaba(a) Receptors. [Pflugers Archiv-European Journal of Physiology](#), 468(2), 351-365.
- 52 Cervantes-Duran, C., Vidal-Cantu, G. C., Godinez-Chaparro, B. & Granados-Soto, V. (2016). Role of Spinal 5-HT₂ Receptors Subtypes in Formalin-Induced Long-Lasting Hypersensitivity. [Pharmacological Reports](#), 68(2), 434-442.
- 53 Camargo-Martinez, J. A. & Baquero, R. (2016). Effects of Pb Doping on Structural and Electronic Properties of Bi₂sr₂ca₂cu₃o₁₀. [Physica C-Superconductivity and Its Applications](#), 521, 22-28.
- 54 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Centrality Dependence of Pion Freeze-Out Radii in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physical Review C](#), 93(2), 024905.
- 55 Ayon-Beato, E., Higuita-Borja, D. & Mendez-Zavaleta, J. A. (2016). Rotating (a)Ds Black Holes in Bigravity. [Physical Review D](#), 93(2), 024049.

- 56 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Vectorlike Charge 2/3 T Quarks in Proton-Proton Collisions at Root(S)=8 Tev. [Physical Review D](#), 93(1), 012003.
- 57 Carvente, O., Salazar-Cruz, M., Penunuri, F. & Ruiz-Suarez, J. C. (2016). Dynamic Self-Assembly of Non-Brownian Spheres Studied by Molecular Dynamics Simulations. [Physical Review E](#), 93(2), 020902.
- 58 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Study of B Meson Production in P Plus Pb Collisions at Root S(Nn)=5.02 Tev Using Exclusive Hadronic Decays. [Physical Review Letters](#), 116(3), 032301.
- 59 Garnica-Garza, H. M. (2016). Stereotactic Breast Irradiation With Kilovoltage X-Ray Beams. [Physics in Medicine and Biology](#), 61(2), 983-995.
- 60 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). A Search for Pair Production of New Light Bosons Decaying Into Muons. [Physics Letters B](#), 752, 146-168.
- 61 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2016). Precise Measurement of the Top Quark Mass in Dilepton Decays Using Optimized Neutrino Weighting. [Physics Letters B](#), 752, 18-26.
- 62 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Neutral MSSM Higgs Bosons Decaying to Mu(+) Mu(-) in Pp Collisions at Root S=7 and 8 Tev. [Physics Letters B](#), 752, 221-246.
- 63 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Search for Weakly Decaying (Λ N)Over-Bar and Lambda Lambda Exotic Bound States in Central Pb-Pb Collisions at Root S-Nn=2.76 Tev. [Physics Letters B](#), 752, 267-277.
- 64 Ventura-Aquino, E., Banos-Araujo, J., Fernandez-Guasti, A. & Paredes, R. G. (2016). An unknown male increases sexual incentive motivation and partner preference: Further evidence for the Coolidge effect in female rats. [Physiology & Behavior](#), 158, 54-59.
- 65 Pais-Morales, J., Betanzos, A., Garcia-Rivera, G., Chavez-Munguia, B., Shibayama, M. & Orozco, E. (2016). Resveratrol Induces Apoptosis-Like Death and Prevents in Vitro and in Vivo Virulence of Entamoeba Histolytica. [Plos One](#), 11(1), e0146287.
- 66 Galan-Vasquez, E., Sanchez-Osorio, I. & Martinez-Antonio, A. (2016). Transcription Factors Exhibit Differential Conservation in Bacteria With Reduced Genomes. [Plos One](#), 11(1), e0146901.
- 67 Balcazar-Lopez, E., Mendez-Lorenzo, L. H., Batista-Garcia, R. A. et al. (2016). Xenobiotic Compounds Degradation by Heterologous Expression of a *Trametes Sanguineus* Laccase in *Trichoderma Atroviride*. [Plos One](#), 11(2), e0147997.
- 68 Pech-May, N. W., Vales-Pinzon, C., Vega-Flick, A., Cifuentes, A., Oleaga, A., Salazar, A. & Alvarado-Gil, J. J. (2016). Study of the thermal properties of polyester composites loaded with oriented carbon nanofibers using the front-face flash method. [Polymer Testing](#), 50, 255-261.

69 Rojas-Trigos, J. B., Lopez-Lopez, M., Venegas, M. A., Contreras-Puente, G. S., Jimenez-Olarte, D. & Santana-Rodriguez, G. (2016). Electrical Characterization of Gan/Aln Heterostructures Grown by Molecular Beam Epitaxy on Silicon Substrates. [Revista Mexicana De Fisica](#), 62(1), 68-72.

70 Vasquez-a, M. A., Romero-Paredes, G., Andraca-Adame, J. A. & Pena-Sierra, R. (2016). Fabrication and Characterization of Zno:Zn(N(+))/Porous-Silicon/Si(P) Heterojunctions for White Light Emitting Diodes. [Revista Mexicana De Fisica](#), 62(1), 5-9.

71 Durango-Garcia, C. J., Jalife, S., Cabellos, J. L., Martinez, S. H., Jimenez-Halla, J. O. C., Pan, S., Merino, G. & Montiel-Palma, V. (2016). Back to Basics: Identification of Reaction Intermediates in the Mechanism of a Classic Ligand Substitution Reaction on Vaska's Complex. [Rsc Advances](#), 6(4), 3386-3392.

72 Sanchez-Leija, R. J., Torres-Lubian, J. R., Resendiz-Rubio, A., Luna-Barcenas, G. & Mota-Morales, J. D. (2016). Enzyme-Mediated Free Radical Polymerization of Acrylamide in Deep Eutectic Solvents. [Rsc Advances](#), 6(16), 13072-13079.

73 Cheng, J. W., Zhao, Z. C., Li, B. et al. (2016). A Comprehensive Characterization of Simple Sequence Repeats in Pepper Genomes Provides Valuable Resources for Marker Development in Capsicum. [Scientific Reports](#), 6, 18919.

74 De La Cruz, O. H., Marchat, L. A., Guillen, N. et al. (2016). Multinucleation and Polykaryon Formation Is Promoted by the Ehpc4 Transcription Factor in Entamoeba Histolytica. [Scientific Reports](#), 6, 19611.

75 Chavez-Romero, Y., Navarro-Noya, Y. E., Reynoso-Martinez, S. C., Sarria-Guzman, Y., Govaerts, B., Verhulst, N., Dendooven, L. & Luna-Guido, M. (2016). 16S metagenomics reveals changes in the soil bacterial community driven by soil organic C, N-fertilizer and tillage-crop residue management. [Soil and Tillage Research](#), 159, 1-8.

76 Velazquez-Jimenez, R., Torres-Valencia, J. M., Valdez-Calderon, A., Alvarado-Rodriguez, J. G., Hernandez-Hernandez, J. D., Roman-Marin, L. U., Cerda-Garcia-Rojas, C. M. & Joseph-Nathan, P. (2016). Absolute Configuration of Stegane Lignans by Vibrational Circular Dichroism. [Tetrahedron-Asymmetry](#), 27(4-5), 193-200.

77 Carreon-Moncada, I., Gonzalez, L. A., Rodriguez-Galicia, J. L. & Rendon-Angeles, J. C. (2016). Chemical Deposition of Cds Films by an Ammonia-Free Process With Amino Acids as Complexing Agents. [Thin Solid Films](#), 599, 166-173.

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

78 Trujillo, J., Molina-Jijon, E., Medina-Campos, O. N. et al. (2016). Curcumin Prevents Cisplatin-Induced Decrease in the Tight and Adherens Junctions: Relation to Oxidative Stress. [Food & Function](#), 7(1), 279-293.

79 Bustos-Guajardo, R. & Moukarzel, C. F. Nonequilibrium Trade-Investment Model for the Ranked Distribution of Gross Domestic Products Per-Capita. [Springer Proceedings in Physics](#), 173, 347-357

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

80 Gasbarri, A., Bert, B. & Meneses, A. (2016). Editorial: 5-HT_{2a/2b/2c} Receptors, Memory, and Neuropsychiatric Disorders. [Frontiers in Pharmacology](#), 7, 9.

81 Meneses, A. & Gasbarri, B. (2016). Editorial: Serotonin and Memory. [Frontiers in Pharmacology](#), 7, 8.

82 Meza-Rocha, A. N. & Falcony, C. (2016). Comment on Li⁺ Co-Doping Effect on the Photoluminescence Time Decay Behavior of Y₂O₃:Er³⁺ Films (J. Lumin. 154 (2014) 106). [Journal of Luminescence](#), 171, 40-41.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

83 Espinoza-Rodriguez, J. H. & Mercado-Uribe, H. (2016). Changes in BetaL-Crystallin and Ovalbumin due to Exposure to Green and Red Light. [Biophysical Journal](#), 110(3, Supplement 1), 533a.

84 Dominguez-Calva, J. A., Serebryany, E., Haase-Pettingell, C., King, J. A. & Quintanar, L. (2016). Elucidating the Coordination Features Associated to Copper and Zinc Induced Aggregation of Human gamma-D Crystallin. [Biophysical Journal](#), 110(3, Supplement 1), 388a.

85 Li, L., Ruiz-Hurtado, G., Fernandez-Velasco, M. et al. (2016). Enhanced RyR2 Channel Activity but Reduced Ca²⁺ Spark Occurrence In Failing Mice Cardiomyocytes. [Biophysical Journal](#), 110(3, Supplement 1), 267a-268a.

86 Favela-Rosales, F., Millan-Pacheco, C., Hernandez-Cobos, J., Carvajal-Tinoco, M. D. & Ortega-Blake, I. (2016). Is there a lo+ld Coexistence Phase in the POPC-chol Mixture? An Insight through Molecular Dynamics Simulations. [Biophysical Journal](#), 110(3, Supplement 1), 322a.

87 Tammineni, E. R., Carrillo, E. D., Soto, R., Angel-Ambrocio, A., Del Angel, R. M., Garcia, M. C. & Sanchez, J. A. (2016). The Beta4 Subunit of L-Type Ca²⁺ Channels Regulates Transcription of Antiviral Factors in a Heart Cell Line. [Biophysical Journal](#), 110(3, Supplement 1), 442a.

88 Morales-Medina, J. C., Juarez, I., Dominguez-Lopez, S., Kandimalla, R., Gobbi, G., Flores, G. & Quirion, R. (2016). The Y₂ receptor antagonist BIIE0246 reverses corticosterone-induced anxiogenic-related behavior and neuronal hypertrophy: Advances in NPY Research. [Neuropeptides](#), 55, 21.

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

89 Paul, S., Yu, W. & Li, X. O. (2016). Recent Advances in Bidirectional Modeling and Structural Control. [Shock and Vibration](#), 2016, 6275307.

ARTÍCULOS DEL MES DE MARZO DE 2016

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

- 1 Cruz-Martinez, H., Vasquez-Perez, J. M., Feria, O. S. & Calaminici, P. (2016). On the Ground State Structures and Energy Properties of Conpdn (N=1-10) Clusters. [Advances in Quantum Chemistry](#), 72, 177-199.
- 2 Hu, J. & Jimenez-Lopez, F. G. (2016). Comparison Between Teichmuller Metric and Length Spectrum Metric Under Partial Twists. [Annales Academiae Scientiarum Fennicae-Mathematica](#), 41(1), 221-234.
- 3 Kalyanasundar, B., Solorio, J., Perez, C. I., Hoyo-Vadillo, C., Simon, S. A. & Gutierrez, R. (2016). The efficacy of the appetite suppressant, diethylpropion, is dependent on both when it is given (day vs. night) and under conditions of high fat dietary restriction. [Appetite](#), 100, 152-161.
- 4 Prado, A., Bede, J. C., Cervantes-Diaz, F., Perez-Zavala, F. G., Cibrian-Jaramillo, A. & Gonzalez-Astorga, J. (2016). Transcriptome-derived microsatellite markers for Dioon (Zamiaceae) cycad species. [Applications in Plant Sciences](#), 4(2), 1500087.
- 5 Jose-Garcia, A. & Gomez-Flores, W. (2016). Automatic Clustering Using Nature-Inspired Metaheuristics: a Survey. [Applied Soft Computing](#), 41, 192-213.
- 6 Guzman-Vargas, A., Lima, E., Uriostegui-Ortega, G. A., Oliver-Tolentino, M. A. & Rodriguez, E. E. (2016). Adsorption and Subsequent Partial Photodegradation of Methyl Violet 2b on Cu/Al Layered Double Hydroxides. [Applied Surface Science](#), 363, 372-380.
- 7 Reyes-Hernandez, O. D., Palacios-Reyes, C., Chavez-Ocana, S., Cortes-Malagon, E. M., Sierra-Martinez, M., Alonso-Themann, P. G., Ramos-Cano, V. & Ramirez-Bello, J. (2016). Skeletal manifestations of Marfan syndrome associated to heterozygous R2726W FBN1 variant: sibling case report and literature review. [BMC Musculoskeletal Disorders](#), 17(1), 79.
- 8 Sadykov, R. (2016). The Weak B-Principle: Mumford Conjecture. [Canadian Journal of Mathematics-Journal Canadien De Mathematiques](#), 68(2), 463-480.
- 9 Gonzalez-Rivera, Y. A., Meza-Rocha, A. N., Aquino-Meneses, L. et al. (2016). Photoluminescent and electrical properties of novel Nd³⁺ doped ZnV₂O₆ and Zn₂V₂O₇. [Ceramics International](#), 42(7), 8425-8430.
- 10 Jalife, S., Mondal, S., Cabellos, J. L., Martinez-Guajardo, G., Fernandez-Herrera, M. A. & Merino, G. (2016). The Cubyl Cation Rearrangements. [Chemical Communications](#), 52(16), 3403-3405.
- 11 Sanchez, A., Magana, G., Partida, M. I. & Sanchez, S. (2016). Bi-dimensional sustainability analysis of a multi-feed biorefinery design for biofuels co-production from lignocellulosic residues and agro-industrial wastes. [Chemical Engineering Research and Design](#), 107, 195-217.

- 12 Castillo Sanchez, R., Gomez, R. & Perez Salazar, E. (2016). Bisphenol A Induces Migration through a GPER-, FAK-, Src-, and ERK2-Dependent Pathway in MDA-MB-231 Breast Cancer Cells. [Chemical Research in Toxicology](#), 29(3), 285-295.
- 13 Vargas-Caamal, A., Cabellos, J. L., Ortiz-Chi, F., Rzepa, H. S., Restrepo, A. & Merino, G. (2016). How Many Water Molecules Does It Take to Dissociate HCl? [Chemistry-a European Journal](#), 22(8), 2812-2818.
- 14 Schutze, O., Martin, A., Lara, A., Alvarado, S., Salinas, E. & Coello, C. A. C. (2016). The Directed Search Method for Multi-Objective Memetic Algorithms. [Computational Optimization and Applications](#), 63(2), 305-332.
- 15 Burciaga-Diaz, O., Gomez-Zamorano, L. Y. & Escalante-Garcia, J. I. (2016). Influence of the long term curing temperature on the hydration of alkaline binders of blast furnace slag-metakaolin. [Construction and Building Materials](#), 113, 917-926.
- 16 Monsreal-Vela, K., Velazquez-Abunader, I. & Poot-Lopez, G. R. (2016). Model Selection for Determining the Growth of Juveniles and Sub-Adults of Two Species of Shrimp (Decapoda, Penaeidae) in a Tropical Coastal Lagoon. [Crustaceana](#), 89(1), 29-45.
- 17 Czajkowska-Szczykowska, D., Aguilar-Granda, A., Maj, J., Wilczewska, A. Z., Witkowski, S., Santillan, R., Garcia-Garibay, M. A., Morzycki, J. W. & Rodriguez-Molina, B. (2016). Solid State Characterization of Bridged Steroidal Molecular Rotors: Effect of the Rotator Fluorination on Their Crystallization. [Crystal Growth & Design](#), 16(3), 1599-1605.
- 18 Espinosa-Juarez, J. V., Jaramillo-Morales, O. A., Corona-Ramos, J. N., Medina-Lopez, J. R. & Lopez-Munoz, F. J. (2016). Antinociceptive interactions between meloxicam and gabapentin in neuropathic pain depend on the ratio used in combination in rats. [Drug Development Research](#), 77, 134-142.
- 19 Zuniga-Silva, J. R., Chan-Cupul, W., Kuschk, P., Loera, O., Aguilar-Lopez, R. & Rodriguez-Vazquez, R. (2016). Effect of Cd+2 on Phosphate Solubilizing Abilities and Hydrogen Peroxide Production of Soil-Borne Micromycetes Isolated From Phragmites Australis-Rhizosphere. [Ecotoxicology](#), 25(2), 367-379.
- 20 Polindara-Garcia, L. A. & Juaristi, E. (2016). Synthesis of Ugi 4-Cr and Passerini 3-Cr Adducts Under Mechanochemical Activation. [European Journal of Organic Chemistry](#), (6), 1095-1102.
- 21 Gonzalez-Ramirez, A. E., Gonzalez-Trujano, M. E., Orozco-Suarez, S. A., Alvarado-Vasquez, N. & Lopez-Munoz, F. J. (2016). Nerol Alleviates Pathologic Markers in the Oxazolone-Induced Colitis Model. [European Journal of Pharmacology](#), 776, 81-89.
- 22 Paradise, R. & Robles, A. (2016). Two Mazahua (Mexican) Communities: Introducing a Collective Orientation Into Everyday School Life. [European Journal of Psychology of Education](#), 31(1), 61-77.
- 23 Andreev, V., Baghdasaryan, A., Begzsuren, K. et al. (2016). Exclusive Rho(0) Meson Photoproduction With a Leading Neutron at Hera. [European Physical Journal C](#), 76(1), 41.

- 24 Ortega-Morales, B. O., Narvaez-Zapata, J., Reyes-Estebanez, M., Quintana, P., De La Rosa-Garcia, S. D. C., Bullen, H., Gomez-Cornelio, S. & Chan-Bacab, M. J. (2016). Bioweathering Potential of Cultivable Fungi Associated With Semi-Arid Surface Microhabitats of Mayan Buildings. [Frontiers in Microbiology](#), 7, 201.
- 25 Perez-Garcia, L. A., Csonka, K., Flores-Carreon, A. et al. (2016). Role of Protein Glycosylation in Candida Parapsilosis Cell Wall Integrity and Host Interaction. [Frontiers in Microbiology](#), 7, 306.
- 26 Costa, A., Salazar-Varas, R., Ubeda, A. & Azorin, J. M. (2016). Characterization of Artifacts Produced by Gel Displacement on Non-Invasive Brain-Machine Interfaces During Ambulation. [Frontiers in Neuroscience](#), 10.
- 27 Garcia-Esquivel, M., Esquivel-Naranjo, E. U., Hernandez-Onate, M. A., Ibarra-Laclette, E. & Herrera-Estrella, A. (2016). The Trichoderma atroviride cryptochrome/photolyase genes regulate the expression of blr1-independent genes both in red and blue light. [Fungal Biology](#), 120(4), 500-512.
- 28 Vlasova, A., Capella-Gutierrez, S., Rendon-Anaya, M. et al. (2016). Genome and Transcriptome Analysis of the Mesoamerican Common Bean and the Role of Gene Duplications in Establishing Tissue and Temporal Specialization of Genes. [Genome Biology](#), 17, 32.
- 29 Aichholzer, O., Araujo-Pardo, G., Garcia-Colin, N., Hackl, T., Lara, D., Rubio-Montiel, C. & Urrutia, J. (2016). Geometric Achromatic and Pseudoachromatic Indices. [Graphs and Combinatorics](#), 32(2), 431-451.
- 30 Perez-Vargas, J. E., Muriel, P., Zarco, N., Vergara, P., Segovia, J., Shibayama, M. & Tsutsumi, V. (2016). L-Theanine prevents carbon tetrachloride-induced liver fibrosis via inhibition of nuclear factor kB and down-regulation of transforming growth factor Beta and connective tissue growth factor. [Human & Experimental Toxicology](#), 35(2), 135-146.
- 31 Alvarado-Macias, G., Fuentes-Aceituno, J. C., Nava-Alonso, F. & Lee, J. C. (2016). Silver Leaching With the Nitrite-Copper Novel System: a Kinetic Study. [Hydrometallurgy](#), 160, 98-105.
- 32 Bustos-Arriaga, J., Lopez-Gonzalez, M., Garcia-Cordero, J. et al. (2016). Soluble mediators produced by the crosstalk between microvascular endothelial cells and dengue-infected primary dermal fibroblasts inhibit dengue virus replication and increase leukocyte transmigration. [Immunologic Research](#), 64(2), 392-403.
- 33 Arcos-Lopez, T., Rivillas-Acevedo, L., Grande-Aztatzi, R. et al. (2016). Spectroscopic and Theoretical Study of Cu(I) Binding to His111 in the Human Prion Protein Fragment 106-115. [Inorganic Chemistry](#), 55(6), 2909-22.
- 34 Dias, F. A., Gandara, A. C. P., Perdomo, H. D. et al. (2016). Identification of a Selenium-Dependent Glutathione Peroxidase in the Blood-Sucking Insect Rhodnius Prolixus. [Insect Biochemistry and Molecular Biology](#), 69, 105-114.

35 Aviles-Vinas, J. F., Rios-Cabrera, R. & Lopez-Juarez, I. (2016). On-Line Learning of Welding Bead Geometry in Industrial Robots. [International Journal of Advanced Manufacturing Technology](#), 83(1-4), 217-231.

36 Torres, J. D. S., Botero, H. A., Jimenez, E., Jaramillo, O. & Loukianov, A. G. (2016). A Robust Extended State Observer for the Estimation of Concentration and Kinetics in a Cstr. [International Journal of Chemical Reactor Engineering](#), 14(1), 481-490.

37 Lopez-Perez, P. A., Neria-Gonzalez, M. I. & Aguilar-Lopez, R. (2016). Improvement of Activated Sludge Process Using a Nonlinear Pi Controller Design Via Adaptive Gain. [International Journal of Chemical Reactor Engineering](#), 14(1), 407-416.

38 Alatorre, A. G., Castillo, P. & Mondie, S. (2016). Saturations-Based Nonlinear Controllers With Integral Term: Validation in Real-Time. [International Journal of Control](#), 89(5), 879-891.

39 Mena, E., Veleva, L. & Souto, R. M. (2016). Mapping of local corrosion behavior of zinc in substitute ocean water at its initial stages by SVET. [International Journal of Electrochemical Society](#), 11, 5256-5266.

40 Aguilar-Lopez, R., Lopez-Perez, P. A., Lara-Cisneros, G. & Femat, R. (2016). Controlling a Class of Chaotic Quantum System Under Disturbances and Noisy Measurements: Application to 1d Bose-Einstein Condensate. [International Journal of Modern Physics C](#), 27(4), 1650040.

41 Rosas-Arellano, A., Vasquez-Procopio, J., Missirlis, F., Gambis, A., Steller, H., Blowes, L. M. & Mollereau, B. (2016). Ferritin Assembly in Enterocytes of *Drosophila melanogaster*. [International Journal of Molecular Sciences](#), 17(2), 27.

42 Oliva, A. I. & Lugo, J. M. (2016). Measurement of the Temperature Coefficient of Resistance in Metallic Films With Nano-Thickness. [International Journal of Thermophysics](#), 37(3), 35.

43 Mendez, N., Barrera-Perez, M., Palma-Solis, M., Zavala-Castro, J., Dickinson, F., Azcorra, H. & Prelip, M. (2016). Ethnicity and Income Impact on Bmi and Stature of School Children Living in Urban Southern Mexico. [Journal of Biosocial Science](#), 48(2), 143-157.

44 Figueroa-Cardenas, J. D., Escalante-Aburto, A., Veles-Medina, J. J., Hernandez-Estrada, Z. J., Rayas-Duarte, P., Simsek, S. & Ponce-Garcia, N. (2016). Viscoelastic properties of tablets from Osborne solubility fraction, pentosans, flour and bread using relaxation tests. [Journal of Cereal Science](#), 69, 207-212.

45 Gonzalez-Mozuelos, P. (2016). Effective electrostatic interactions among charged thermo-responsive microgels immersed in a simple electrolyte. [Journal of Chemical Physics](#), 144(5), 054902.

46 Escalante-Aburto, A., Ponce-Garcia, N., Ramirez-Wong, B., Torres-Chavez, P. I., Figueroa-Cardenas, J. D. & Gutierrez-Dorado, R. (2016). Specific Anthocyanin Contents of Whole Blue Maize Second-Generation Snacks: an Evaluation Using Response Surface Methodology and Lime Cooking Extrusion. [Journal of Chemistry](#), 2016, 5491693.

47 Chan-Cupul, W., Heredia-Abarca, G. & Rodriguez-Vazquez, R. (2016). Atrazine Degradation by Fungal Co-Culture Enzyme Extracts Under Different Soil Conditions. [Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes](#), 51(5), 298-308.

48 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Observation of Top Quark Pairs Produced in Association With a Vector Boson in Pp Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (1), 096.

49 Aab, A., Abreu, P., Aglietta, M. et al. (2016). Nanosecond-Level Time Synchronization of Autonomous Radio Detector Stations for Extensive Air Showers. [Journal of Instrumentation](#), 11, P01018.

50 Aab, A., Abreu, P., Aglietta, M. et al. (2016). Prototype Muon Detectors for the Amiga Component of the Pierre Auger Observatory. [Journal of Instrumentation](#), 11, P02012.

51 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Reconstruction and Identification of Tau Lepton Decays to Hadrons and Nu(Tau) at Cms. [Journal of Instrumentation](#), 11, P01019.

52 Lopez-Granados, N. M. & Salinas-Rodriguez, A. (2016). EBSD Investigation on Effect of Cooling Rate on Microstructure and Transformation Textures of High Strength Hot-rolled Steel Plates. [Journal of Iron and Steel Research, International](#), 23(3), 261-269.

53 Montes, E., Martinez-Merlin, I., Guzman-Olguin, J. C., Guzman-Mendoza, J., Martin, I. R., Garcia-Hipolito, M. & Falcony, C. (2016). Effect of pH on the optical and structural properties of HfO₂:Ln³⁺, synthesized by hydrothermal route. [Journal of Luminescence](#), 175, 243-248.

54 Aragon, J., Martinez-Herrera, A., Romo-Yanez, J. et al. (2016). Identification of Dp71 Isoforms Expressed in PC12 Cells: Subcellular Localization and Colocalization with Beta-Dystroglycan and alpha1-Syntrophin. [Journal of Molecular Neuroscience](#), 58(2), 201-9.

55 Hdz-Garcia, H. M., Munoz-Arroyo, R., Martinez, A. I., Gonzalez, M. A., Granda-Gutierrez, E. E., Acevedo-Davila, J. L., Castro-Roman, M. & Garcia-Vazquez, F. (2016). Aging Thermal Treatment in the Inconel 725 Brazed Incorporating Tungsten Nanoparticles. [Journal of Nanomaterials](#), 2016, 6535491.

56 Escamilla-Rivera, V., Uribe-Ramirez, M., Gonzalez-Pozos, S., Velumani, S., Arreola-Mendoza, L. & De Vizcaya-Ruiz, A. (2016). Cytotoxicity of semiconductor nanoparticles in A549 cells is attributable to their intrinsic oxidant activity. [Journal of Nanoparticle Research](#), 18(4), 85.

57 Ramos-Castillo, C. M., Reveles, J. U., Cifuentes-Quintal, M. E., Zope, R. R. & de Coss, R. (2016). Ti4- and Ni4-Doped Defective Graphene Nanoplatelets as Efficient Materials for Hydrogen Storage. [Journal of Physical Chemistry C](#), 120(9), 5001-5009.

58 Bernal-Correa, R., Morales-Acevedo, A., Montes-Monsalve, J. & Pulzara-Mora, A. (2016). Design of the Tco (Zno:Al) Thickness for Glass/Tco/Cds/Cigs/Mo Solar Cells. [Journal of Physics D-Applied Physics](#), 49(12), 125601.

59 Ledo, J. M., Camarillo, E. A., Flores, H., Ramos, F. & Rojas, A. (2016). Energies of Combustion and Enthalpies of Formation of 5-Methyl-5-Phenylhydantoin and 5,5-Diphenylhydantoin. [Journal of Thermal Analysis and Calorimetry](#), 123(3), 2391-2396.

60 Bautista, E., Vergara, P. & Segovia, J. (2016). Iron-Induced Oxidative Stress Activates Akt and Erk1/2 and Decreases Dyrk1b and Prmt1 in Neuroblastoma Sh-Sy5y Cells. [Journal of Trace Elements in Medicine and Biology](#), 34, 62-69.

61 Ceniceros-Ojeda, E. A., Rivera-Bustamante, R. F. & Rodriguez-Negrete, E. A. (2016). Two Populations of Viral Minichromosomes Are Present in a Geminivirus-Infected Plant Showing Symptom Remission (Recovery). [Journal of Virology](#), 90(8), 3828-38.

62 Levresse, G., Cervantes-De La Cruz, K. E., Aranda-Gomez, J. J., Davalos-Elizondo, M. G., Jimenez-Sandoval, S., Rodriguez-Melgarejo, F. & Alba-Aldave, L. A. (2016). Co₂ Fluid Inclusion Barometry in Mantle Xenoliths From Central Mexico: a Detailed Record of Magma Ascent. [Journal of Volcanology and Geothermal Research](#), 310, 72-88.

63 Jayaraman, V. K., Kuwabara, Y. M., Alvarez, A. M. & Amador, M. D. O. (2016). Importance of Substrate Rotation Speed on the Growth of Homogeneous ZnO Thin Films by Reactive Sputtering. [Materials Letters](#), 169, 1-4.

64 Huerta L., M. E., Mejia G., M. E. & Castillejos E., A. H. (2016). Heat Transfer and Observation of Droplet-Surface Interactions During Air-Mist Cooling at CSP Secondary System Temperatures. [Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science](#), 47(2), 1409-1426.

65 Gonzalez-Olvera, R., Roman-Rodriguez, V., Negron-Silva, G. E., Espinoza-Vazquez, A., Rodriguez-Gomez, F. J. & Santillan, R. (2016). Multicomponent Synthesis and Evaluation of New 1,2,3-Triazole Derivatives of Dihydropyrimidinones as Acidic Corrosion Inhibitors for Steel. [Molecules](#), 21(2), 250.

66 Lopez-Franco, M., Sanchez, E. N., Alanis, A. Y. & Lopez-Franco, C. (2016). Neural Control for Driving a Mobile Robot Integrating Stereo Vision Feedback. [Neural Processing Letters](#), 43(2), 425-444.

67 Ortiz-Lopez, L., Marquez-Valadez, B., Gomez-Sanchez, A. et al. (2016). Green tea compound epigallo-catechin-3-gallate (EGCG) increases neuronal survival in adult hippocampal neurogenesis in vivo and in vitro. [Neuroscience](#), 322, 208-220.

68 Lopez-Garcia, K., Cuevas, E., Sanchez-Garcia, O., Pacheco, P., Martinez-Gomez, M. & Castelan, F. (2016). Differential Damage and Repair Responses of Pubococcygeus and Bulbospongiosus Muscles in Multiparous Rabbits. [Neurourology and Urodynamics](#), 35(2), 180-185.

69 Coleman-Derr, D., Desgarennes, D., Fonseca-Garcia, C., Clingenpeel, S., Woyke, T., North, G., Visel, A., Partida-Martinez, L. P. & Tringe, S. G. (2016). Plant compartment and biogeography affect microbiome composition in cultivated and native Agave species. [New Phytologist](#), 209, 798-811.

70 Paredes-Trujillo, A., Velazquez-Abunader, I., Torres-Irineo, E., Vidal-Martinez, V. M. & Romero, D. (2016). Geographical distribution of protozoan and metazoan parasites of farmed Nile tilapia *Oreochromis niloticus* (L.) (Perciformes: Cichlidae) in Yucatan, Mexico. [Parasites & Vectors](#), 9(1), 66.

71 Omana-Molina, M., Vanzzini-Zago, V., Hernandez-Martinez, D., Gonzalez-Robles, A., Salazar-Villatoro, L., Ramirez-Flores, E., Oregon-Miranda, E., Lorenzo-Morales, J. & Martinez-Palomo, A. (2016). Acanthamoeba Genotypes T3 and T4 as Causative Agents of Amoebic Keratitis in Mexico. [Parasitology Research](#), 115(2), 873-878.

72 Aparicio-Ixta, L., Alba-Rosales, J. E., Ramos-Ortiz, G. et al. (2016). Two-Photon Imaging of a Cellular Line Using Organic Fluorescent Nanoparticles Synthesized by Laser Ablation. [Particle & Particle Systems Characterization](#), 33(2), 101-109.

73 Jimenez-Montano, M. A., Coronel-Brizio, H. F., Hernandez-Montoya, A. R. & Ramos-Fernandez, A. (2016). Codon information value and codon transition-probability distributions in short-term evolution. [Physica A: Statistical Mechanics and Its Applications](#), 454, 117-128.

74 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. [Physical Chemistry Chemical Physics](#), 18(4), 2303-2308.

75 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Production of Light Nuclei and Anti-Nuclei in Pp and Pb-Pb Collisions at Energies Available at the Cern Large Hadron Collider. [Physical Review C](#), 93(2), 024917.

76 Flores, L. J. & Miranda, O. G. (2016). Constant Matter Neutrino Oscillations in a Parametrization-Free Formulation. [Physical Review D](#), 93(3), 033009.

77 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Measurement of the Charge Asymmetry in Top Quark Pair Production in Pp Collisions at Root S=8 Tev Using a Template Method. [Physical Review D](#), 93(3), 034014.

78 Ayon-Beato, E. & Velazquez-Rodriguez, G. (2016). Residual Symmetries of the Gravitational Field. [Physical Review D](#), 93(4), 044040.

79 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Pair Production of First and Second Generation Leptoquarks in Proton-Proton Collisions at Root S=8 Tev. [Physical Review D](#), 93(3), 032004.

80 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Single Production of Scalar Leptoquarks in Proton-Proton Collisions at Root S=8 Tev. [Physical Review D](#), 93(3), 032005.

81 Castilla-Valdez, H., Moyotl, A., Perez, M. A. & Honorato, C. G. (2016). Sensitivity of the Decay H -> Zz* -> Zl Plus L- to the Higgs Self-Coupling Through Radiative Corrections. [Physical Review D](#), 93(5), 055001.

- 82 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2016). Evidence for Simultaneous Production of J/Psi and Upsilon Mesons. [Physical Review Letters](#), 116(8), 082002.
- 83 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at Root S=13 Tev. [Physical Review Letters](#), 116(7), 071801.
- 84 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). (3)(Lambda)Hand (3)((Lambda)Over-Bar)(H)Over-Bar Production in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physics Letters B](#), 754, 360-372.
- 85 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Centrality Evolution of the Charged-Particle Pseudorapidity Density Over a Broad Pseudorapidity Range in Pb-Pb Collisions at Root S(Nn)=2.76tev. [Physics Letters B](#), 754, 373-385.
- 86 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Direct Photon Production in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physics Letters B](#), 754, 235-248.
- 87 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2016). Measurement of Electrons From Heavy-Flavour Hadron Decays in P-Pb Collisions at Root S(Nn)=5.02 Tev. [Physics Letters B](#), 754, 81-93.
- 88 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2016). Transverse Momentum Spectra of Inclusive B Jets in Ppb Collisions Atv Root S(Nn)=5.02 Tev. [Physics Letters B](#), 754, 59-80.
- 89 Ordonez-Gomez, J. D., Cristobal-Azkarate, J., Arroyo-Rodriguez, V., Santillan-Doherty, A. M., Valdez, R. A. & Romano, M. C. (2016). Proximal and Distal Predictors of the Spider Monkey's Stress Levels in Fragmented Landscapes. [Plos One](#), 11(2), e0149671.
- 90 Alcaraz, L. D., Martinez-Sanchez, S., Torres, I., Ibarra-Laclette, E., Ibarra-Laclette, E. & Herrera-Estrella, L. (2016). The Metagenome of Utricularia gibba's Traps: Into the Microbial Input to a Carnivorous Plant. [Plos One](#), 11(2), e0148979.
- 91 Anastasiadi, M., Mwangi, P. M., Ordaz-Ortiz, J. J., Redfern, S. P., Berry, M., Simmonds, M. S. J. & Terry, L. A. (2016). Tissue biochemical diversity of 20 gooseberry cultivars and the effect of ethylene supplementation on postharvest life. [Postharvest Biology and Technology](#), 117, 141-151.
- 92 Nguyen, K. H., Van Ha, C., Nishiyama, R. et al. (2016). Arabidopsis Type B Cytokinin Response Regulators Arr1, Arr10, and Arr12 Negatively Regulate Plant Responses to Drought. [Proceedings of the National Academy of Sciences of the United States of America](#), 113(11), 3090-3095.
- 93 Kumar-Krishnan, S., Chakaravarthy, S., Hernandez-Rangel, A., Prokhorov, E., Luna-Barcenas, G., Esparza, R. & Meyyappan, M. (2016). Chitosan Supported Silver Nanowires as a Platform for Direct Electrochemistry and Highly Sensitive Electrochemical Glucose Biosensing. [Rsc Advances](#), 6(24), 20102-20108.
- 94 Fernandez-Valverde, S. L. & Degnan, B. M. (2016). Bilaterian-Like Promoters in the Highly Compact Amphimedon queenslandica Genome. [Scientific Reports](#), 6, 22496.

95 Oza, G., Ravichandran, M., Merupo, V. I., Shinde, S., Mewada, A., Ramirez, J. T., Velumani, S., Sharon, M. & Sharon, M. (2016). Camphor-Mediated Synthesis of Carbon Nanoparticles, Graphitic Shell Encapsulated Carbon Nanocubes and Carbon Dots for Bioimaging. [Scientific Reports](#), 6, 21286.

96 Guillen-Bonilla, H., Flores-Martinez, M., Rodriguez-Betancourt, V. M., Guillen-Bonilla, A., Reyes-Gomez, J., Gildo-Ortiz, L., Amador, M. D. O. & Santoyo-Salazar, J. (2016). A Novel Gas Sensor Based on Mg₂SiO₆ Nanorods to Indicate Variations in Carbon Monoxide and Propane Concentrations. [Sensors](#), 16(2), 177.

97 Suaste-Gomez, E., Rodriguez-Roldan, G., Reyes-Cruz, H. & Teran-Jimenez, O. (2016). Developing an Ear Prosthesis Fabricated in Polyvinylidene Fluoride by a 3D Printer with Sensory Intrinsic Properties of Pressure and Temperature. [Sensors](#), 16(3), 332.

98 Hernandez-Rodriguez, E., Rejon, V., Mis-Fernandez, R. & Pena, J. L. (2016). Application of sputtered TiO₂ thin films as HRT buffer layer for high efficiency CdS/CdTe solar cells. [Solar Energy](#), 132, 64-72.

99 Pacheco, C. G. (2016). A random matrix from a stochastic heat equation. [Statistics & Probability Letters](#), 113, 71-78.

100 Choudhury, A., Aguirre-Macedo, M. L., Curran, S. S., De Nunez, M. O., Overstreet, R. M., De Leon, G. P. P. & Santos, C. P. (2016). Trematode Diversity in Freshwater Fishes of the Globe II: 'new World'. [Systematic Parasitology](#), 93(3), 271-282.

101 Gomez-Acata, R. V., Neria-Gonzalez, M. I. & Aguilar-Lopez, R. (2016). Robust software sensor design for the state estimation in a sulfate-reducing bioreactor. [Theoretical Foundations of Chemical Engineering](#), 50(1), 67-75.

102 Rubio-Cisneros, N. T., Aburto-Oropeza, O. & Ezcurra, E. (2016). Small-scale fisheries of lagoon estuarine complexes in northwest Mexico. [Tropical Conservation Science](#), 9(1), 78-134.

103 Chavez-Calvillo, G., Contreras-Paredes, C. A., Mora-Macias, J., Noa-Carrazana, J. C., Serrano-Rubio, A. A., Dinkova, T. D., Carrillo-Tripp, M. & Silva-Rosales, L. (2016). Antagonism or Synergism Between Papaya Ringspot Virus and Papaya Mosaic Virus in Carica Papaya Is Determined by Their Order of Infection. [Virology](#), 489, 179-191.

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

104 Porter, R. M. (2016). On Sturm-Liouville Equations With Several Spectral Parameters. [Boletin De La Sociedad Matematica Mexicana](#), 22(1), 141-163.

105 Valencia, C. E. & Vargas, M. C. (2016). Optimum Matchings in Weighted Bipartite Graphs. [Boletin De La Sociedad Matematica Mexicana](#), 22(1), 1-12.

106 Merupo, V. I., Velumani, S., Oza, G., Tabellout, M., Bizarro, M., Coste, S. & Kassiba, A. H. (2016). High energy ball-milling synthesis of nanostructured Ag-doped and BiVO₄-based photocatalysts. *Chemistry Select*, 6, 1278-1286.

107 Cibrian-Jaramillo, A. & Barona-Gomez, F. (2016). Increasing Metagenomic Resolution of Microbiome Interactions Through Functional Phylogenomics and Bacterial Sub-Communities. *Frontiers in Genetics*, 7, 4.

108 Rodriguez-Santana, B. G., Viveros, A. M., Carvajal-Gamez, B. E. & Trejo-Osorio, D. C. (2016). Mobile Computation Offloading Architecture for Mobile Augmented Reality, Case Study: Visualization of Cetacean Skeleton. *International Journal of Advanced Computer Science and Applications*, 7(1), 665-671.

109 Xenia, M. E. & Refugio, R. V. (2016). Microorganisms metabolism during bioremediation of oil contaminated soils. *Journal of Bioremediation & Biodegradation*, 7, 2.

110 Rozenblum, G. & Vasilevski, N. (2016). Toeplitz operators defined by sesquilinear forms: Bergman space case. *Journal of Mathematical Sciences*, 213(4), 582-609.

111 Montano-Zetina, L. M. & Villalobos-Mora, O. (2016). A Basic Positron Emission Tomography System Constructed to Locate a Radioactive Source in a Bi-dimensional Space. *Journal of Visualized Experiments : JoVE*, (108), e52272.

112 Avila-Rodriguez, D., Paisano-Ceron, K., Valdovinos-Ramirez, I., Solano-Agama, C., Mendoza-Garrido, M. E. & Ortiz-Plata, A. (2016). Three-dimensional Alginate-bead Culture of Human Pituitary Adenoma Cells. *Journal of Visualized Experiments : JoVE*, (108), e53637.

113 Rios-Velasco, C., Caro-Cisneros, J. M., Berlanga-Reyes, D. I., Ruiz-Cisneros, M. F., Ornelas-Paz, J. J., Salas-Marina, M. A., Villalobos-Perez, E. & Guerrero-Prieto, V. M. (2016). Identification and antagonistic activity in vitro of *Bacillus* spp. and *Trichoderma* spp. isolates against common phytopathogenic fungi. *Revista Mexicana De Fitopatologia*, 34(1), 84-99.

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

114 Winkler, R. (2016). Popper and the Omics. *Frontiers in Plant Science*, 7, 195.

115 Herrera-Gomez, A., Aguirre-Tostado, F. S. & Pianetta, P. (2016). Formation of Si¹⁺ in the early stages of the oxidation of the Si[001] 2 -> 1 surface. *Journal of Vacuum Science & Technology, A: Vacuum, Surfaces, and Films*, 34(2), 020601.

116 Schnoor, M., Alcaide, P., Voisin, M. B. & Van Buul, J. D. (2016). Recruitment of Immune Cells Into Inflamed Tissues: Consequences for Endothelial Barrier Integrity and Tissue Functionality. *Mediators of Inflammation*, 2016, 1561368.

117 Mendoza-Cruz, R., Bazan-Diaz, L., Reyes-Gasga, J. et al. (2016). Helical Growth of Ultrathin Gold-Copper Nanowires. *Nano Letters*, 16(3), 1568-73.

118 Jalife, S., Mondal, S., Osorio, E., Cabellos, J. L., Martinez-Guajardo, G., Fernandez-Herrera, M. A. & Merino, G. (2016). Nonclassical 21-Homododecahedryl Cation Rearrangement Revisited. [Organic Letters](#), 18(5), 1140-1142.

119 Kumar-Krishnan, S., Chakaravarthy, S., Hernandez-Rangel, A., Prokhorov, E., Luna-Barcenas, G., Esparza, R. & Meyyappan, M. (2016). Chitosan Supported Silver Nanowires as a Platform for Direct Electrochemistry and Highly Sensitive Electrochemical Glucose Biosensing (Vol 6, Pg 20102, 2016). [Rsc Advances](#), 6(27), 22950.

[ARTÍCULOS GI] – RESÚMENES PUBLICADOS EN REVISTAS

120 Quintanar, L., Dominguez-Calva, J. A., Serebryany, E., Haasse-Pettingell, C. & King, J. (2016). Metal-induced aggregation of human gamma-D crystallin: Insights into the bioinorganic chemistry of cataracts disease. Abstracts of Papers of the American Chemical Society, INOR-520.

121 Tiburcio, J. (2016). Steric and electrostatic effects on the dynamic processes of rotaxane-like complexes. Abstracts of Papers of the American Chemical Society, INOR-675.

122 Missirlis, F. & Rosas-Arellano, A. (2016). Ferritin Assembly in the Intestines of Drosophila Melanogaster. [American Journal of Hematology](#), 91(3), E207.

123 Llorens, J., Metzendorf, C., Missirlis, F. & Lind, M. (2016). Mitoferrin Deficiency Provokes an Ecdysone Synthesis Impairment and an Immune System Overreaction. [American Journal of Hematology](#), 91(3), E199.

124 Contreras, P. S., Blanco, A. E., Moreno-Estrada, A. et al. (2016). Genomic Identification of Recent Positive Selection in Populations From Andean Highlands and South-Central Chile. [American Journal of Physical Anthropology](#), 159, 121.

125 De La Fuente, C., Avila-Arcos, M., Carpenter, M. L. et al. (2016). Insight Into the Population History of the Chilean Patagonia Through the Analysis of Ancient and Modern Genomic Data. [American Journal of Physical Anthropology](#), 159, 127.

126 Avila-Arcos, M. C., Moreno-Estrada, A., Sandoval-Mendoza, K., Feldman, M. W. & Bustamante, C. D. (2016). The Third Root of Mexico: Genetic Structure of Mexicans of African Descent. [American Journal of Physical Anthropology](#), 159, 84.

127 Lopez-Cuellar, M. R., Vergara-Porras, B., Marsch, R. & Perez-Guevara, F. (2016). Recombinant PhaC2-synthase in Cupriavidus necator for PHA production. [New Biotechnology](#), 33(3), 432.

128 Almonte-Becerril, M., Costell-Rosello, M. & Kouri, J. (2016). Changes in the chondrocyte-extracellular matrix relationship during OA pathogenesis: Abstracts from the 2016 OARSI World Congress on OsteoarthritisPromoting Clinical and Basic Research in Osteoarthritis. [Osteoarthritis and Cartilage](#), 24, Supplement 1, S155.

129 Parra-Torres, N. M., Kouri, J. & Cazares, F. (2016). Identification of latexin by a proteomic study of osteoarthritic cartilage and its possible role at early stages of osteoarthritis. [Osteoarthritis and Cartilage](#), 24, Supplement 1, S156.

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

130 Arauz, J., Ramos-Tovar, E. & Muriel, P. (2016). Redox state and methods to evaluate oxidative stress in liver damage: From bench to bedside. [Annals of Hepatology](#), 15(2), 160-73.

131 Hoffman, K. L. (2016). New dimensions in the use of rodent behavioral tests for novel drug discovery and development. [Expert Opinion on Drug Discovery](#), 11(4), 343-53.

132 Huerta-Cantillo, J. & Navarro-Garcia, F. (2016). Properties and design of antimicrobial peptides as potential tools against pathogens and malignant cells. [Investigacion En Discapacidad](#), 5(2), 96-115.

133 Di Cerbo, A., Palmieri, B., Aponte, M., Morales-Medina, J. C. & Iannitti, T. (2016). Mechanisms and Therapeutic Effectiveness of Lactobacilli. [Journal of Clinical Pathology](#), 69(3), 187-203.

134 Schmoll, M., Dattenböck, Ch., Rodriguez-Iglesias, A. et al. (2016). The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three Trichoderma Species. [Microbiology and Molecular Biology Reviews](#), 80(1), 205-327.