

## ARTÍCULOS DEL MES DE ENERO DE 2016

### **[ARTÍCULOS A]** - ARTÍCULOS PUBLICADOS EN EXTENSO 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 Incrassatulus*: 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 Differentiable 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<sub>2</sub>Si<sub>2</sub>O<sub>8</sub>) 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, Pregears 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 Nohs 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 Clermpner, 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-Frutos, 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 Nonequilibria. [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  $BaTiO_3$  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-Guitierrez, 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 Al<sub>4</sub>c<sub>3</sub> in B<sub>4</sub>c/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<sub>0.047</sub>ga<sub>0.953</sub>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 Ga<sub>2</sub>o<sub>3</sub> 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 Zn Thin Films Deposited by Confocal Sputtering as Electrodes in Zn-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-Zn 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 Yvo4: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 Pharmacologic-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 Fe<sub>3</sub>O<sub>4</sub>-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., Sosnovtsev, S. V., Green, K. Y. & Gutierrez-Escolano, 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., Fragoso-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 EXTENSO EN OTRAS REVISTAS ESPECIALIZADAS (INCLUIDO 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 TiO<sub>2</sub> 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., Auriolos-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.

Última actualización: marzo 22, 2017 11:02 a.m.