

ARTÍCULOS DEL MES DE FEBRERO DE 2014

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

- 1 Lopez, R., Diaz, T., Garcia, G. et al. (2014). Fast Formation of Surface Oxidized Zn Nanorods and Urchin-Like Microclusters. [Advances in Materials Science and Engineering](#), 2014, 257494.
- *2 Berron-Ruiz, L., Lopez-Herrera, G., Vargas-Hernandez, A., Mogica-Martinez, D., Garcia-Latorre, E., Blancas-Galicia, L., Espinosa-Rosales, F. J. & Santos-Argumedo, L. (2014). Lymphocytes and B-cell abnormalities in patients with common variable immunodeficiency (CVID). [Allergologia Et Immunopathologia](#), 42(1), 35-43.
- 3 Santamaria, R. I., Bustos, P., Sepulveda-Robles, O. et al. (2014). Narrow-Host-Range Bacteriophages That Infect Rhizobium Etli Associate With Distinct Genomic Types. [Applied and Environmental Microbiology](#), 80(2), 446-454.
- 4 Caspeta, L., Caro-Bermudez, M. A., Ponce-Noyola, T. & Martinez, A. (2014). Enzymatic Hydrolysis at High-Solids Loadings for the Conversion of Agave Bagasse to Fuel Ethanol. [Applied Energy](#), 113, 277-286.
- 5 Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Generalized synchronization via the differential primitive element. [Applied Mathematics and Computation](#), 232, 848-857.
- 6 Montes, E., Ceron, P., Montalvo, T. R., Guzman, J., Garcia-Hipolito, M., Soto-Guzman, A. B., Garcia-Salcedo, R. & Falcony, C. (2014). Thermoluminescent Characterization of HfO₂:Tb³⁺ Synthesized by Hydrothermal Route. [Applied Radiation and Isotopes](#), 83, 196-199.
- 7 Poot-Lopez, G. R., Hernandez, J. M. & Gasca-Leyva, E. (2014). Analysis of Ration Size in Nile Tilapia Production: Economics and Environmental Implications. [Aquaculture](#), 420, 198-205.
- 8 Mendoza-Aguayo, D. J., Poggi-Varaldo, H. M., Garcia-Mena, J., Ramos-Valdivia, A. C., Salgado, L. M., De La Torre-Martinez, M. & Ponce-Noyola, T. (2014). Extracellular Expression of Glucose Inhibition-Resistant Cellulomonas Flavigena Pn-120 Beta-Glucosidase by a Diploid Strain of Saccharomyces Cerevisiae. [Archives of Microbiology](#), 193(1), 25-33.
- 9 Klapp, J., Sigalotti, L. D., Zavala, M., Pena-Polo, F. & Troconis, J. (2014). Rotationally Induced Fragmentation in the Prestellar Core L1544. [Astrophysical Journal](#), 780(2), 188.
- 10 Marichal-Cancino, B. A., Altamirano-Espinoza, A. H., Manrique-Maldonado, G., Maassen Van Den Brink, A. & Villalon, C. M. (2014). Role of Pre-Junctional CB1, But not CB2, TRPV1 or GPR55 Receptors in Anandamide-Induced Inhibition of the Vasodepressor Sensory CGRPergic Outflow in Pithed Rats. [Basic & Clinical Pharmacology & Toxicology](#), 114(3), 240-247.
- 11 Robles-Molina, E., Dionisio-Vicuna, M., Guzman-Hernandez, M. L., Reyes-Cruz, G. & Vazquez-Prado, J. (2014). GBeta gamma interacts with mTOR and promotes its activation. [Biochemical and Biophysical Research Communications](#), 444(2), 218-223.

- 12 Esquivel-Rios, I., Ramirez-Vargas, R., Hernandez-Martinez, G. R., Vital-Jacome, M., Ordaz, A. & Thalasso, F. (2014). A microrespirometric method for the determination of stoichiometric and kinetic parameters of heterotrophic and autotrophic cultures. [Biochemical Engineering Journal](#), 83, 70-78.
- 13 Suarez-Sanchez, R., Aguilar, A., Wagstaff, K. M. et al. (2014). Nucleocytoplasmic shuttling of the Duchenne muscular dystrophy gene product dystrophin Dp71d is dependent on the importin alpha/Beta and CRM1 nuclear transporters and microtubule motor dynein. [Biochimica Et Biophysica Acta--Molecular Cell Research](#), 1843(5), 985-1001.
- 14 Martinez-Lopez, L. A., Ochoa-Alejo, N. & Martinez, O. (2014). Dynamics of the chili pepper transcriptome during fruit development. [BMC Genomics](#), 15(1), 143.
- 15 Espinosa-Soto, C., Immink, R. G., Angenent, G. C., Alvarez-Buylla, E. R. & De Folter, S. (2014). Tetramer formation in Arabidopsis MADS domain proteins: analysis of a protein-protein interaction network. [BMC Systems Biology](#), 8, 9.
- 16 Herrera Yanez, C., Hutnik, O. & Maximenko, E. A. (2014). Vertical symbols, Toeplitz operators on weighted Bergman spaces over the upper half-plane and very slowly oscillating functions. [Comptes Rendus Mathematique](#), 352(2), 129-132.
- 17 Aichholzer, O., Fabila-Monroy, R., Hackl, T., Huemer, C., Pilz, A. & Vogtenhuber, B. (2014). Lower bounds for the number of small convex k-holes. [Computational Geometry](#), 47(5), 605-613.
- 18 Alfaro, C. A., Aydin, B., Valencia, C. E., Bullitt, E. & Ladha, A. (2014). Dimension reduction in principal component analysis for trees. [Computational Statistics & Data Analysis](#), 74, 157-179.
- 19 Rios-Cabrera, R. & Tuytelaars, T. (2014). Boosting masked dominant orientation templates for efficient object detection. [Computer Vision and Image Understanding](#), 120, 103-116.
- 20 Garcia, R., Alredo-Badillo, I., Morales-Sandoval, M., Feregrino-Uribe, C. & Cumplido, R. (2014). A compact FPGA-based processor for the Secure Hash Algorithm SHA-256: 40th-year commemorative issue. [Computers and Electrical Engineering](#), 40(1), 194-202.
- 21 Alfaro, C. A. & Valencia, C. E. (2014). Graphs with two trivial critical ideals. [Discrete Applied Mathematics](#), 167, 33-44.
- *22 Mendoza, S. V., Harvey, C. A., Saenz, J. C. et al. (2014). Consistency in Bird Use of Tree Cover Across Tropical Agricultural Landscapes. [Ecological Applications](#), 24(1), 158-168.
- 23 Rendon-Ramirez, A. L., Maldonado-Vega, M., Quintanar-Escorza, M. A., Hernandez, G., Arevalo-Rivas, B. I., Zentella-Dehesa, A. & Calderon-Salinas, J. V. (2014). Effect of vitamin E and C supplementation on oxidative damage and total antioxidant capacity in lead-exposed workers. [Environmental Toxicology and Pharmacology](#), 37(1), 45-54.
- 24 Ornelas-Tellez, F., Sanchez, E. N., Loukianov, A. G. & Rico, J. J. (2014). Robust Inverse Optimal Control for Discrete-Time Nonlinear System Stabilization. [European Journal of Control](#), 20(1), 38-44.

- 25 Arauz, J., Zarco, N., Segovia, J., Shibayama, M., Tsutsumi, V. & Muriel, P. (2014). Caffeine Prevents Experimental Liver Fibrosis by Blocking the Expression of Tgf-Beta. *European Journal of Gastroenterology & Hepatology*, 26(2), 164-173.
- 26 Carballo-Villalobos, A. I., Gonzalez-Trujano, M. E. & Lopez-Munoz, F. J. (2014). Evidence of mechanism of action of anti-inflammatory/antinociceptive activities of acacetin. *European Journal of Pain*, 18(3), 396-405.
- 27 Candalija, A., Cubi, R., Ortega, A., Aguilera, J. & Gil, C. (2014). Trk Receptors Need Neutral Sphingomyelinase Activity to Promote Cell Viability. *Febs Letters*, 588(1), 167-174.
- 28 Shahbazi, M., Jimenez, P., Martinez, L. A. & Carruth, L. L. (2014). Effects of housing condition and early corticosterone treatment on learned features of song in adult male zebra finches. *Hormones and Behavior*, 66(3), 226-237.
- 29 Mendez-Enriquez, E., Medina-Tamayo, J., Garcia-Zepeda, E. A., Soldevila, G., Fortoul, T. I., Anton, B. & Flores-Romo, L. (2014). A CCL chemokine-derived peptide (CDIP-2) exerts anti-inflammatory activity via CCR1, CCR2 and CCR3 chemokine receptors: Implications as a potential therapeutic treatment of asthma. *International Immunopharmacology*, 20(1), 1-11.
- 30 Hernandez-Moreno, A. V., Villasenor, F., Medina-Rivero, E., Perez, N. O., Flores-Ortiz, L. F., Saab-Rincon, G. & Luna-Barcenas. (2014). Kinetics and conformational stability studies of recombinant leucine aminopeptidase. *International Journal of Biological Macromolecules*, 64, 306-312.
- 31 Castillo-Atoche, A., Vega-Lizama, E. T., Maldonado-Lopez, L., Castro-Borges, P. & Diaz-Ballote, L. (2014). Use of Current and Potential Fluctuations Among Identical Electrodes to Determine the Induction Time of the Transesterification Reaction. *International Journal of Electrochemical Science*, 9(1), 249-256.
- 32 Sanchez-Madrigal, M. A., Melendez-Pizarro, C. O., Martinez-Bustos, F., Ruiz-Gutierrez, M. G., Quintero-Ramos, A., Marquez-Melendez, R., Lardizabal-Gutierrez, D. & Campos-Venegas, K. (2014). Structural, Functional, Thermal and Rheological Properties of Nixtamalised and Extruded Blue Maize (*Zea Mays L.*) Flour With Different Calcium Sources. *International Journal of Food Science and Technology*, 49(2), 578-586.
- *33 Gurubel, K. J., Alanis, A. Y., Sanchez, E. N. & Carlos-Hernandez, S. (2014). A Neural Observer With Time-Varying Learning Rate: Analysis and Applications. *International Journal of Neural Systems*, 24(1), 1450011.
- *34 Perez-Garmendia, R., Hernandez-Zimbron, L. F., Morales, M. A. et al. (2014). Identification of N-Terminally Truncated Pyroglutamate Amyloid-Beta in Cholesterol-Enriched Diet-Fed Rabbit and AD Brain. *Journal of Alzheimer's Disease*, 39(2), 441-55.
- 35 Boucard, A. A., Maxeiner, S. & Sudhof, T. C. (2014). Latrophilins Function as Heterophilic Cell-Adhesion Molecules by Binding to Teneurins Regulation by Alternative Splicing. *Journal of Biological Chemistry*, 289(1), 387-402.

- 36 Garnica-Palafox, I. M., Sanchez-Arevalo, F. M., Velasquillo, C., Garcia-Carvajal, Z. Y., Garcia-Lopez, J., Ortega-Sanchez, C., Ibarra, C., Luna-Barcenas, G. & Solis-Arrieta, L. (2014). Mechanical and Structural Response of a Hybrid Hydrogel Based on Chitosan and Poly(Vinyl Alcohol) Cross-Linked With Epichlorohydrin for Potential Use in Tissue Engineering. *Journal of Biomaterials Science-Polymer Edition*, 25(1), 32-50.
- 37 Muniasamy, G. & Perez-Guevara, F. (2014). Use of SNAREs for the immobilization of poly-3-hydroxyalkanoate polymerase type II of *Pseudomonas putida* CA-3 in secretory vesicles of *Saccharomyces cerevisiae* ATCC 9763. *Journal of Biotechnology*, 172, 77-9.
- 38 Gold-Bouchot, G., Ceja-Moreno, V., Chan-Cocom, E. & Zapata-Perez, O. (2014). Petroleum Hydrocarbons, Fluorescent Aromatic Compounds in Fish Bile and Organochlorine Pesticides From Areas Surrounding the Spill of the Kab121 Well, in the Southern Gulf of Mexico: a Case Study. *Journal of Environmental Biology*, 35(1), 147-156.
- 39 Vidal-Martinez, V. M., Aguirre-Macedo, M. L., May-Tec, A. L., Pal, P. & Lewis, J. W. (2014). Temporal variation in the dispersion patterns of metazoan parasites of a coastal fish species from the Gulf of Mexico. *Journal of Helminthology*, 88(1), 112-22.
- 40 Ramirez-Rodriguez, H., Parra-Vega, V., Sanchez-Orta, A. & Garcia-Salazar, O. (2014). Robust Backstepping Control Based on Integral Sliding Modes for Tracking of Quadrotors. *Journal of Intelligent & Robotic Systems*, 73(1-4), 51-66.
- 41 Guadarrama-Olvera, J. R., Corona-Sanchez, J. J. & Rodriguez-Cortes, H. (2014). Hard Real-Time Implementation of a Nonlinear Controller for the Quadrotor Helicopter. *Journal of Intelligent & Robotic Systems*, 73(1-4), 81-97.
- 42 Benitez-Morales, J. G., Rodriguez-Cortes, H. & Castro-Linares, R. (2014). A New Nonlinear Controller for Trajectory Tracking of the Longitudinal Dynamics of a Small Scale Helicopter. *Journal of Intelligent & Robotic Systems*, 73(1-4), 99-121.
- 43 Gonzalez, I., Salazar, S. & Lozano, R. (2014). Chattering-Free Sliding Mode Altitude Control for a Quad-Rotor Aircraft: Real-Time Application. *Journal of Intelligent & Robotic Systems*, 73(1-4), 137-155.
- 44 Munoz-Vazquez, A. J., Parra-Vega, V. & Sanchez, A. (2014). A Passive Velocity Field Control for Navigation of Quadrotors With Model-Free Integral Sliding Modes. *Journal of Intelligent & Robotic Systems*, 73(1-4), 373-385.
- 45 Aguilar-Sierra, H., Flores, G., Salazar, S. & Lozano, R. (2014). Fault Estimation for a Quad-Rotor Mav Using a Polynomial Observer. *Journal of Intelligent & Robotic Systems*, 73(1-4), 455-468.
- 46 Espinoza, E. S., Garcia, O., Lugo, I., Ordaz, P., Malo, A. & Lozano, R. (2014). Modeling and Sliding Mode Control of a Micro Helicopter-Airplane System. *Journal of Intelligent & Robotic Systems*, 73(1-4), 469-486.

- 47 Brezoescu, A., Castillo, P. & Lozano, R. (2014). Wind Estimation for Accurate Airplane Path Following Applications. [Journal of Intelligent & Robotic Systems](#), 73(1-4), 823-831.
- 48 Romero-Tepal, E. M., Contreras-Blancas, E., Navarro-Noya, Y. E., Ruiz-Valdiviezo, V. M., Luna-Guido, M., Gutierrez-Miceli, F. A. & Dendooven, L. (2014). Changes in the Bacterial Community Structure in Stored Wormbed Leachate. [Journal of Molecular Microbiology and Biotechnology](#), 24(2), 105-113.
- 49 Lozada-Morales, R., Aquino-Meneses, L., Lopez-Calzada, G. et al. (2014). Studies of phase formation from the ZnO-CdO-V₂O₅ ternary system. [Journal of Non-Crystalline Solids](#), 386(0), 39-45.
- 50 Jimenez, C. C., Farfan, N., Romero-Avila, M. et al. (2014). Synthesis and chemical-optical characterization of novel two-photon fluorescent borinates derived from Schiff bases. [Journal of Organometallic Chemistry](#), 755, 33-40.
- 51 Pan, S., Moreno, D., Cabellos, J. L., Romero, J., Reyes, A., Merino, G. & Chattaraj, P. K. (2014). In Quest of Strong Be-Ng Bonds Among the Neutral Ng-Be Complexes. [Journal of Physical Chemistry A](#), 118(2), 487-494.
- 52 Fernandez, D. J. & Morales-Salgado, V. S. (2014). Supersymmetric Partners of the Harmonic Oscillator With an Infinite Potential Barrier. [Journal of Physics A-Mathematical and Theoretical](#), 47(3), 035304.
- 53 Suarez-Gonzalez, E. M., Lopez, M. G., Delano-Frier, J. P. & Gomez-Leyva, J. F. (2014). Expression of the 1-SST and 1-FFT genes and consequent fructan accumulation in Agave tequilana and A. inaequidens is differentially induced by diverse (a)biotic-stress related elicitors. [Journal of Plant Physiology](#), 171(3-4), 359-372.
- 54 Ponce-Flores, H. & Conde-Gallardo, A. (2014). Influence of the Oxygen Excess in the Synthesis of NdFeAsO_{1-x}F_x Superconductors. [Journal of Superconductivity and Novel Magnetism](#), 27(3), 673-679.
- 55 Rojas-Montes, J. C., Perez-Garibay, R. & Uribe-Salas, A. (2014). The effects of an anionic membrane on the electrodeposition of manganese ions: a kinetic and statistical study. [Journal of the Electrochemical Society](#), 161(1), D67-D72.
- 56 Harilal, M., Manikantan-Nair, V., Wariar, P. R. S., Padmasree, K. P., Yusoff, M. M. & Rajan, J. (2014). Electrical and optical properties of NdAlO₃ synthesized by an optimized combustion process. [Materials Characterization](#), 90, 7-12.
- 57 Maczka, M., Bednarkiewicz, A., Mendoza-Mendoza, E., Fuentes, A. F. & Kepinski, L. (2014). Low-temperature synthesis, phonon and luminescence properties of Eu doped Y₃Al₅O₁₂ (YAG) nanopowders. [Materials Chemistry and Physics](#), 143(3), 1039-1047.
- 58 VillaVelazquez-Mendoza, C. I., Rodriguez-Mendoza, J. L., Hodgkins, R. P., Ibarra-Galvan, V., Leal-Cruz, A. L., Lopez-Valdivieso, A. & Pech-Canul, M. I. (2014). Novel sea-urchin-like rutile

microstructures synthesized by the thermal decomposition and oxidation of K₂TiF₆. [Materials Letters](#), 121, 191-193.

59 Carrera-Jota, M. L., Garcia-Murillo, A., Carrillo-Romo, F., Garcia-Hernandez, M., Morales Ramirez, A. J., Velumani, S., De la Rosa-Cruz, E. & Kassiba, A. (2014). Lu₂O₃:Eu³⁺ glass ceramic films: Synthesis, structural and spectroscopic studies. [Materials Research Bulletin](#), 51, 418-425.

60 Gonzalez-Villanueva, L., Arvizu-Gomez, J. L., Hernandez-Morales, A., Aguilera-Aguirre, S. & Alvarez-Morales, A. (2014). The PhtL protein of *Pseudomonas syringae* pv. *phaseolicola* NPS3121 affects the expression of both phaseolotoxin cluster (Pht) and Non-Pht encoded genes. [Microbiological Research](#), 169(2-3), 221-231.

61 De Melo, C., Larramendi, S., Torres-Costa, V., Santoyo-Salazar, J., Behar, M., Ferraz Dias, J. & De Melo, O. (2014). Enhanced ZnTe infiltration in porous silicon by Isothermal Close Space Sublimation. [Microporous and Mesoporous Materials](#), 188, 93-98.

62 Davila-Pulido, G. I. & Uribe-Salas, A. (2014). Effect of Calcium, Sulphate and Gypsum on Copper-Activated and Non-Activated Sphalerite Surface Properties. [Minerals Engineering](#), 55, 147-153.

63 Perez-Garibay, R., Ramirez-Aguilera, N., Bouchard, J. & Rubio, J. (2014). Froth flotation of sphalerite: Collector concentration, gas dispersion and particle size effects. [Minerals Engineering](#), 57, 72-78.

64 Estrada-Capetillo, B. L., Rodriguez-Pinal, C. J., Reynaga-Hernandez, E., Corral-Fernandez, N. E., Ortiz-Perez, M. D., Salgado-Bustamante, M., Calderon-Aranda, E., Gonzalez-Amaro, R. & Portales-Perez, D. P. (2014). Arsenic and fluoride co-exposure affects the expression of apoptotic and inflammatory genes and proteins in mononuclear cells from children. [Mutation Research-Genetic Toxicology and Environmental Mutagenesis](#), 761, 27-34.

65 Chairez, I. (2014). Finite time convergent learning law for continuous neural networks. [Neural Networks](#), 50, 175-82.

66 Martinez, D., Garcia, L., Aguilera, J. & Ortega, A. (2014). An Acute Glutamate Exposure Induces Long-Term Down Regulation of Glast/Eaat1 Uptake Activity in Cultured Bergmann Glia Cells. [Neurochemical Research](#), 39(1), 142-149.

67 Osorio-Espinoza, A., Escamilla-Sanchez, J., Aquino-Jarquin, G. & Arias-Montano, J. A. (2014). Homologous Desensitization of Human Histamine H-3 Receptors Expressed in Cho-K1 Cells. [Neuropharmacology](#), 77, 387-397.

68 Gomez, M. L., Martinez-Mota, L., Estrada-Camarena, E. & Fernandez-Guasti, A. (2014). Influence of the brain sexual differentiation process on despair and antidepressant-like effect of fluoxetine in the rat forced swim test. [Neuroscience](#), 261, 11-22.

69 Jimenez-Sanchez, A., Rodriguez, M., Metivier, R., Ramos-Ortiz, G., Maldonado, J. L., Reboles, N., Farfan, N., Nakatani, K. & Santillan, R. (2014). Synthesis and Crystal Structures of a Series of

- Schiff Bases: a Photo-, Solvato- and Acidochromic Compound. [New Journal of Chemistry](#), 38(2), 730-738.
- 70 Maldonado-Dominguez, M., Arcos-Ramos, R., Romero, M., Flores-Perez, B., Farfan, N., Santillan, R., Lacroix, P. G. & Malfant, I. (2014). The Amide Bridge in Donor-Acceptor Systems: Delocalization Depends on Push-Pull Stress. [New Journal of Chemistry](#), 38(1), 260-268.
- 71 Rojas-Saenz, H., Suarez-Moreno, G. V., Ramos-Garcia, I., Duarte-Hernandez, A. M., Mijangos, E., Pena-Hueso, A., Contreras, R. & Flores-Parra, A. (2014). 1,4-Dialkyl-1,4-Diazabutadienes: Their Reactions With Aluminum and Indium Halides. [New Journal of Chemistry](#), 38(1), 391-405.
- 72 Ferra-Gonzalez, S. R., Berman-Mendoza, D., Garcia-Gutierrez, R., Castillo, S. J., Ramirez-Bon, R., Gnade, B. E. & Quevedo-Lopez, M. A. (2014). Optical and Structural Properties of Cds Thin Films Grown by Chemical Bath Deposition Doped With Ag by Ion Exchange. [Optik](#), 125(4), 1533-1536.
- 73 Cruz, J. I. D., Juarez-Saavedra, P., Paz-Michel, B., Leyva-Ramirez, M. A., Rajapakshe, A., Vannucci, A. K., Lichtenberger, D. L. & Paz-Sandoval, M. A. (2014). Phosphine-Substituted (Eta(5)-Pentadienyl) Manganese Carbonyl Complexes: Geometric Structures, Electronic Structures, and Energetic Properties of the Associative Substitution Mechanism, Including Isolation of the Slipped Eta(3)-Pentadienyl Associative Intermediate. [Organometallics](#), 33(1), 278-288.
- 74 Machucho-Cadena, R., Rivera-Rovelo, J. & Bayro-Corrochano, E. (2014). Geometric techniques for 3D tracking of ultrasound sensor, tumor segmentation in ultrasound images, and 3D reconstruction. [Pattern Recognition](#), 47(5), 1968-1987.
- 75 Alvarez-Martinez, R., Cocho, G., Rodriguez, R. F. & Martinez-Mekler, G. (2014). Birth and death master equation for the evolution of complex networks. [Physica A-Statistical Mechanics and Its Applications](#), 402, 198-208.
- 76 Barbero, C., Lopez Castro, G. & Mariano, A. (2014). One pion production in neutrino-nucleon scattering and the different parameterizations of the weak N->Delta vertex. [Physics Letters B](#), 728, 282-287.
- 77 Calderon-Perez, B., Xoconostle-Cazares, B., Lira-Carmona, R., Hernandez-Rivas, R., Ortega-Lopez, J. & Ruiz-Medrano, R. (2014). The Plasmodium Falciparum Translationally Controlled Tumor Protein (Tctp) Is Incorporated More Efficiently Into B Cells Than Its Human Homologue. [Plos One](#), 9(1), e85514.
- 78 Ambriz-Pena, X., Garcia-Zepeda, E. A., Soldevila, G. & Meza, I. (2014). Jak3 enables chemokine-dependent actin cytoskeleton reorganization by regulating cofilin and rac/rhoa GTPases activation. [PloS One](#), 9(2), e88014.
- 79 Ha, C. V., Leyva-Gonzalez, M. A., Osakabe, Y. et al. (2014). Positive Regulatory Role of Strigolactone in Plant Responses to Drought and Salt Stress. [Proceedings of the National Academy of Sciences of the United States of America](#), 111(2), 851-856.

- 80 Gasca, R. & Loman-Ramos, L. (2014). Biodiversity of Medusozoa (Cubozoa, Scyphozoa and Hydrozoa) in Mexico. [Revista Mexicana De Biodiversidad](#), 85, S154-S163.
- 81 Becerril, M., Silva-Lopez, H., Guillen-Cervantes, A. & Zelaya-Angel, O. (2014). Aluminum-Doped Zno Polycrystalline Films Prepared by Co-Sputtering of a Zno-Al Target. [Revista Mexicana De Fisica](#), 60(1), 27-31.
- 82 Camargo-Martinez, J. A., Espitia, D. & Baquero, R. (2014). First-Principles Study of Electronic Structure of Bi₂sr₂ca₂cu₃o₁₀. [Revista Mexicana De Fisica](#), 60(1), 39-45.
- 83 Guevara-Pantoja, F. J., Gomez-Galvan, F., Cipriano, I. E., Mercado-Uribe, H. & Ruiz-Suarez, J. C. (2014). Microrheology and electrical conductivity of a dilute PNIPAM suspension. [Rheologica Acta](#), 53(2), 159-164.
- 84 Aguilar-Lopez, R., Martinez-Guerra, R. & Mata-Machuca, J. L. (2014). Multisynchronization of Chaotic Oscillators Via Nonlinear Observer Approach. [Scientific World Journal](#), 2014, 935163.
- 85 Collazo-Reyes, F. (2014). Growth of the Number of Indexed Journals of Latin America and the Caribbean: the Effect on the Impact of Each Country. [Scientometrics](#), 98(1), 197-209.
- 86 Acosta-Cota, S. J., Sanchez-Lopez, A., Molina-Munoz, T., Gomez-Viquez, N. L. & Centurion, D. (2014). Evidence that chronic administration of 17Beta-oestradiol decreases the vasopressor responses to adrenergic system stimulation in streptozotocin-diabetic female rats. [Steroids](#), 83, 1-9.
- 87 Soto-Castro, D., Magana-Vergara, N. E., Farfan, N. & Santillan, R. (2014). Synthesis of steroidal dendrimers modified by 'click' chemistry with PAMAM dendrons as unimolecular micelles. [Tetrahedron Letters](#), 55(5), 1014-1019.
- 88 Lopez-Vera, E. E., Nelson, S., Singh, R. P. et al. (2014). Resistance to Stem Rust Ug99 in Six Bread Wheat Cultivars Maps to Chromosome 6ds. [Theoretical and Applied Genetics](#), 127(1), 231-239.
- 89 Hernandez-Valdes, A., Zarate, R. A., Martinez, A. I., Pech-Canul, M. I., Garcia-Lobato, M. A. & Villaroel, R. (2014). The role of solvents on the physical properties of sprayed iron oxide films. [Vacuum](#), 105, 26-32.

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

- 90 Cisneros-Mejorado, A., Hernandez-Soberanis, L., Islas-Carbajal, M. C. & Sanchez, D. (2014). Capacitation and Ca²⁺ Influx in Spermatozoa: Role of Cng Channels and Protein Kinase G. [Andrology](#), 2(1), 145-154.

- 91 Meza-Rocha, A. N., Zaleta-Alejandro, E., Cabanas-Moreno, J. G., Gallardo-Hernandez, S., Rivera-Alvarez, Z., Aguilar-Frutis, M. & Falcony, C. (2014). Characterization of lanthanum-aluminum oxide thin films deposited by spray pyrolysis. [ECS Journal of Solid State Science and Technology](#), 3(2), N1-N6.
- 92 Albor-Aguilera, M. L., Flores-Marquez, J. M., Gonzalez-Trujillo, M. A., Matsumoto-Kuwahara, Y., Rueda-Morales, G. & Vigil-Galan, O. (2014). Influence of CdS Thin Films Growth Related with the Substrate Properties and Conditions Used on CBD Technique. [Energy Procedia](#), 44, 111-117.
- 93 Gutierrez, R. M. P., Ahuatzi, D. M., Horcacitas, M. D. C., Baez, E. G., Victoria, T. C. & Mota-Flores, J. M. (2014). Ameliorative Effect of Hexane Extract of Phalaris Canariensis on High Fat Diet-Induced Obese and Streptozotocin-Induced Diabetic Mice. [Evidence-Based Complementary and Alternative Medicine](#), 2014, 145901.
- 94 Hernandez-Almanza, A., Montanez, J. C., Aguilar-Gonzalez, M. A., Martinez-Avila, C., Rodriguez-Herrera, R. & Aguilar, C. N. (2014). Rhodotorula glutinis as source of pigments and metabolites for food industry. [Food Bioscience](#), 5, 64-72.
- 95 Datta-Banik, S. (2014). Inbreeding effects on palmar dermatoglyphic characters in three endogamous social groups of West Bengal, India. [Homo-Journal of Comparative Human Biology](#), 65(1), 75-83.
- 96 Lopez-Sauri, D. A., Veleva, L. & Perez, G. (2014). Analysis of nonlinear galvanostatic oscillations in Ag-Cd alloys electrodeposition. [International Journal of Electrochemical Science](#), 9(3), 1102-1116.
- 97 Quiroz-Gonzalez, S., Segura-Alegria, B., Guadarrama-Olmos, J. C. & Jimenez-Estrada, I. (2014). Cord dorsum potentials evoked by electroacupuncture applied to the hind limbs of rats. [Journal of Acupuncture and Meridian Studies](#), 7(1), 25-32.
- 98 Elyukhin, V. A. (2014). The (0001)A surface phase diagram. [Physica Status Solidi C: Current Topics in Solid State Physics](#), 11(2), 244-248.

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

- 99 Heil, M., Barajas-Barron, A., Orona-Tamayo, D., Wielsch, N. & Svatos, A. (2014). Partner Manipulation Stabilises a Horizontally Transmitted Mutualism. [Ecology Letters](#), 17(2), 185-192.

- 100 Gonzalez-Mariscal, G., Gonzalez-Flores, O. & Komisaruk, B. R. (2014). In Memoriam: Carlos Beyer, Ph.d. (Mexico City, February 25, 1934-Mexico City, October 22, 2013). [Hormones and Behavior](#), 65(1), 40-41.

- 101 Estrada-Alvarez, C. D., Lopez-Sanchez, E., Perez-Angel, G., Gonzalez-Mozuelos, P., Mendez-Alcaraz, J. M. & Castaneda-Priego, R. (2014). Note: Depletion Potentials in Non-Additive Asymmetric Binary Mixtures of Hard-Spheres. [Journal of Chemical Physics](#), 140(2), 026101.

102 Sanchez-Cabrera, G., Zuno-Cruz, F. J., Lopez-Ruiz, H., Rosales-Hoz, M. J., Leyva, M. A. & Rodriguez, J. A. (2014). The Synthesis and Structural Characterization of C-3 Symmetry "Star-Like" Cluster [{Os-3(Mu-H)(Co)(10)}(3){1,3,5-(Mu-Sch2)(3)C6h3}]. *Journal of Organometallic Chemistry*, 751, 826-829.

103 Lesage, J. J. & Lopez-Mellado, E. (2014). Special section on the IFAC Workshop on Discrete Event Systems-WODES'12. *Nonlinear Analysis-Hybrid Systems*, 12, 2.

104 Cortes-Malagon, E. M., Bonilla-Delgado, J., Diaz-Chavez, J. et al. (2014). Corrigendum to "Gene expression profile regulated by the HPV16 E7 oncoprotein and estradiol in cervical tissue" [Virology 447 (2013) 155-165]. *Virology*, 450-451, 1.

ARTÍCULOS G1 – RESÚMENES PUBLICADOS EN REVISTAS

105 Favela-Rosales, F., Carbajal-Tinoco, M. D. & Ortega-Blake, I. (2014). Liquid-Ordered Phase Formation in Cholesterol-Popc Bilayers: All-Atom Molecular Dynamics Simulations. *Biophysical Journal*, 106(2, Supplement 1), 80a.

106 Villada-Balbuena, M., Taxilaga-Zetina, O. & Carbajal-Tinoco, M. D. (2014). Predicting the 3D Secondary Structure of RNA Molecules. *Biophysical Journal*, 106(2, Supplement 1), 283a.

107 Miranda-Saturnino, M. J., De Alba-Aguayo, D. R., Mercado-Morales, M., Guerrero-Hernandez, A. & Rueda, A. (2014). Increased Serca Pump Expression is Associated with Slow Termination of Calcium Sparks and Delayed Local Recovery in Vascular Smooth Muscle Cells of Hyperthyroid Rats. *Biophysical Journal*, 106(2, Supplement 1), 321a.

108 Jimenez-Vazquez, E. N., Arias, J. M. & Garcia, U. (2014). Molecular Cloning of a GABA Receptor Subunit from Crayfish and Voltage-Clamp Analysis of Homo-Oligomeric Receptor Expressed in Hek Cells. *Biophysical Journal*, 106(2, Supplement 1), 547a.

109 Cuaxospa, M., Fiorentino, R. & Garcia, U. (2014). Acute Effects of Beta-Amyloid (1-42) Oligomers on Rat Pyramidal Entorhinal Neurons. *Biophysical Journal*, 106(2, Supplement 1), 548a.

110 Sierra-Valdez, F. J. & Ruiz-Suarez, J. C. (2014). Physical Aspects of the Cut-Off Effect of N-Alcohols in Pure Lipid Membranes. *Biophysical Journal*, 106(2, Supplement 1), 702a.

*111 Cruz-Hurtado, M., Lopez-Gonzalez, M. L., Escobar-Wilches, D. C. & Sierra-Santoyo, A. (2014). Urinary Metabolic Pattern of Vinclozolin in Adult Male Rat. *Drug Metabolism Reviews*, 45, 52-53.

*112 Torres, N. A., Acosta, L., Luna, A. L. & Calderon, E. S. (2014). Effect of P, P-Dde on Proliferation and Differentiation of Promyelocytic Cells HL-60. *Drug Metabolism Reviews*, 45, 235.

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

- 113 Sanchez-Cabrera, G., Zuno-Cruz, F. J. & Rosales-Hoz, M. J. (2014). Reactivity of Alkyne-Substituted Transition Metal Clusters: an Overview. [Journal of Cluster Science](#), 25(1), 51-82.
- 114 Gonzalez-Arenas, A., Pina-Medina, A. G., Gonzalez-Flores, O., Galvan-Rosas, A., Gomora-Arrati, P. & Camacho-Arroyo, I. (2014). Sex Hormones and Expression Pattern of Cytoskeletal Proteins in the Rat Brain Throughout Pregnancy. [Journal of Steroid Biochemistry and Molecular Biology](#), 139, 154-158.
- 115 Luque-Contreras, D., Carvajal, K., Toral-Rios, D., Franco-Bocanegra, D. & Campos-Pena, V. (2014). Oxidative Stress and Metabolic Syndrome: Cause or Consequence of Alzheimer's Disease? [Oxidative Medicine and Cellular Longevity](#), 2014, 497802.
- 116 Guzman, P. (2014). Atls and Btls, Plant-Specific and General Eukaryotic Structurally-Related E3 Ubiquitin Ligases. [Plant Science](#), 215, 69-75.