

ARTÍCULOS DEL MES DE ABRIL DE 2018

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

- 1 Villalobos-Gomez, F. D., Garcia-Lorenzane, M., Escobedo, G. et al. (2018). Entamoeba Histolytica L220 Induces the in Vitro Activation of Macrophages and Neutrophils and Is Modulated by Neurotransmitters. [Acta Parasitologica](#), 63(2), 270-279.
- 2 Orozco-Valencia, U., Gazquez, J. L. & Vela, A. (2018). Reactivity of Indoles Through the Eyes of a Charge-Transfer Partitioning Analysis. [Acta Physico-Chimica Sinica](#), 34(6), 692-698.
- 3 Franco-Perez, M., Gazquez, J. L., Ayers, P. W. & Vela, A. (2018). Thermodynamic Dual Descriptor. [Acta Physico-Chimica Sinica](#), 34(6), 683-691.
- 4 Argiz, C., Sanjuan, M. A., Borges, P. C. & Alvarez, E. (2018). Modeling of Corrosion Rate and Resistivity of Steel Reinforcement of Calcium Aluminate Cement Mortar. [Advances in Civil Engineering](#), 2018, 1096282.
- 5 Dong, X., Jalife, S., Vasquez-Espinal, A., Ravell, E., Pan, S., Cabellos, J. L., Liang, W. Y., Cui, Z. H. & Merino, G. (2018). Li2b12 and Li3b12: Prediction of the Smallest Tubular and Cage-Like Boron Structures. [Angewandte Chemie-International Edition](#), 57(17), 4627-4631.
- 6 Medina-Perez, G., Fernandez-Luqueno, F., Trejo-Tellez, L. I., Lopez-Valdez, F. & Pampillon-Gonzalez, L. (2018). Growth and Development of Common Bean (*Phaseolus Vulgaris* L.) Var. Pinto Saltillo Exposed to Iron, Titanium, and Zinc Oxide Nanoparticles in an Agricultural Soil. [Applied Ecology and Environmental Research](#), 16(2), 1883-1897.
- 7 Ruano-Daza, E., Cobos, C., Torres-Jimenez, J., Mendoza, M. & Paz, A. (2018). A multiobjective bilevel approach based on global-best harmony search for defining optimal routes and frequencies for bus rapid transit systems. [Applied Soft Computing](#), 67, 567-583.
- 8 Sigalotti, L. D., Cruz, F., Gabbasov, R., Klapp, J. & Ramirez-Velasquez, J. (2018). From Large-Scale Protostellar Disk Fragmentation Into Close Binary Stars. [Astrophysical Journal](#), 857(1), 40.
- 8 Quinonez-Bastidas, G. N., Pineda-Farias, J. B., Flores-Murrieta, F. J., Rodriguez-Silverio, J., Reyes-Garcia, J. G., Godinez-Chaparro, B., Granados-Soto, V. & Rocha-Gonzalez, H. I. (2018). Antinociceptive Effect of (-)-Epicatechin in Inflammatory and Neuropathic Pain in Rats. [Behavioural Pharmacology](#), 29(2-3), 270-279.
- 10 Fernandez-Ramirez, F., Hurtado-Lopez, L. M., Lopez, M. A., Martinez-Penafiel, E., Herrera-Gonzalez, N. E., Kameyama, L. & Sepulveda-Robles, O. (2018). Braf 1799t > a Mutation Frequency in Mexican Mestizo Patients With Papillary Thyroid Cancer. [Biomed Research International](#), 2018, 2582179.

- 11 Pardave-Alejandro, H. D., Alvarado-Yaah, J. E., Pompa-Mera, E. N. et al. (2018). Autodisplay of an Avidin With Biotin-Binding Activity on the Surface of Escherichia Coli. *Biotechnology Letters*, 40(3), 591-600.
- 12 Figueroa-Gonzalez, I., Moreno, G., Carrillo-Reyes, J., Sanchez, A., Quijano, G. & Buitron, G. (2018). From Mesophilic to Thermophilic Conditions: One-Step Temperature Increase Improves the Methane Production of a Granular Sludge Treating Agroindustrial Effluents. *Biotechnology Letters*, 40(3), 569-575.
- 13 Retes-Manjarrez, J. E., Hernandez-Verdugo, S., Pariaud, B., Hernandez-Espinal, L. A., Parra-Terraza, S., Trejo-Saavedra, D. L., Rivera-Bustamante, R. F. & Garzon-Tiznado, J. A. (2018). Resistance to Pepper Huasteco Yellow Vein Virus and Its Heritability in Wild Genotypes of Capsicum Annum. *Botanical Sciences*, 96(1), 52-62.
- 14 Arcega-Cabrera, F., Fargher, L., Quesadas-Rojas, M. et al. (2018). Environmental Exposure of Children to Toxic Trace Elements (Hg, Cr, as) in an Urban Area of Yucatan, Mexico: Water, Blood, and Urine Levels. *Bulletin of Environmental Contamination and Toxicology*, 100(5), 620-626.
- 15 Garcia-Pedraza, J. A., Hernandez-Abreu, O., Garcia, M., Moran, A. & Villalon, C. M. (2018). Chronic 5-HT₂ Receptor Blockade Unmasks the Role of 5-HT_{1f} Receptors in the Inhibition of Rat Cardioaccelerator Sympathetic Outflow. *Canadian Journal of Physiology and Pharmacology*, 96(4), 328-336.
- 16 Flores-Renteria, D., Curiel-Yuste, J., Valladares, F. & Rincon, A. (2018). Soil legacies determine the resistance of an experimental plant-soil system to drought. *Catena*, 166, 271-278.
- 17 Bautista, E., Zarco, N., Aguirre-Pineda, N., Lara-Lozano, M., Vergara, P., Gonzalez-Barrios, J. A., Aguilar-Roblero, R. & Segovia, J. (2018). Expression of Gas1 in Mouse Brain: Release and Role in Neuronal Differentiation. *Cellular and Molecular Neurobiology*, 38(4), 841-859.
- 18 Pan, S., Jana, G., Ravell, E., Zarate, X., Osorio, E., Merino, G. & Chattaraj, P. K. (2018). Stable Ncngnsi (Ng= Kr, Xe, Rn) Compounds With Covalently Bound C-Ng-N Unit: Possible Isomerization of Ncnsi Through the Release of the Noble Gas Atom. *Chemistry-a European Journal*, 24(12), 2879-2887.
- 19 Mesquita, T. R., Augste, G., Falcon, D. et al. (2018). Specific Activation of the Alternative Cardiac Promoter of Cacna1c by the Mineralocorticoid Receptor. *Circulation Research*, 122(7), E49-E61.
- 20 Hernandez-Perez, M. A., Del Muro-Cuellar, B., Velasco-Villa, M., Novella-Rodriguez, D. F., Garrido-Moctezuma, R. A. & Garcia-Ramirez, P. J. (2018). An Improvement on the Pi Controller for a Class of High-Order Unstable Delayed Systems: Application to a Thermal Process. *Control Engineering and Applied Informatics*, 20(1), 25-35.
- 21 Ruiz-Armenta, X. A., Zazueta-Morales, J. D., Aguilar-Palazuelos, E., Delgado-Nieblas, C. I., Lopez-Diaz, A., Camacho-Hernandez, I. L., Gutierrez-Dorado, R. & Martinez-Bustos, F. (2018). Effect of Extrusion on the Carotenoid Content, Physical and Sensory Properties of Snacks Added With Bagasse of Naranjita Fruit: Optimization Process. *Cyta-Journal of Food*, 16(1), 172-180.

- 22 Zempoalteca, R., Porras, M. G., Moreno-Perez, S. et al. (2018). Early Postnatal Development of Electrophysiological and Histological Properties of Sensory Sural Nerves in Male Rats That Were Maternally Deprived and Artificially Reared: Role of Tactile Stimulation. [Developmental Neurobiology](#), 78(4), 351-362.
- 23 Torres-Mena, J. E., Salazar-Villegas, K. N., Sanchez-Rodriguez, R., Lopez-Gabino, B., Del Pozo-Yauner, L., Arellanes-Robledo, J., Villa-Trevino, S., Gutierrez-Nava, M. A. & Perez-Carreon, J. I. (2018). Aldo-Keto Reductases as Early Biomarkers of Hepatocellular Carcinoma: a Comparison Between Animal Models and Human Hcc. [Digestive Diseases and Sciences](#), 63(4), 934-944.
- 24 Fonseca-Morales, A. & Hernandez-Lerma, O. (2018). Potential Differential Games. [Dynamic Games and Applications](#), 8(2), 254-279.
- 25 Santibanez-Aguascalientes, N. A., Borja, A., Kuk-Dzul, J. G., Montero-Munoz, J. L. & Ardisson, P. L. (2018). Assessing benthic ecological status under impoverished faunal situations: A case study from the southern Gulf of Mexico. [Ecological Indicators](#), 91, 679-688.
- 26 Clempner, J. B. & Poznyak, A. S. (2018). Computing the Transfer Pricing for a Multidivisional Firm Based on Cooperative Games. [Economic Computation and Economic Cybernetics Studies and Research](#), 52(1), 107-126.
- 27 Gonzalez-Gomez, W. S., Quintana, P., Gomez-Cornelio, S., Garcia-Solis, C., Sierra-Fernandez, A., Ortega-Morales, O. & De La Rosa-Garcia, S. C. (2018). Calcium Oxalates in Biofilms on Limestone Walls of Maya Buildings in Chichen Itza, Mexico. [Environmental Earth Sciences](#), 77(6), 230.
- 28 Ogaz-Gonzalez, R., Merida-Ortega, A., Torres-Sanchez, L., Schnaas, L., Hernandez-Alcaraz, C., Cebrian, M. E., Rothenberg, S. J., Garcia-Hernandez, R. M. & Lopez-Carrillo, L. (2018). Maternal dietary intake of polyunsaturated fatty acids modifies association between prenatal DDT exposure and child neurodevelopment: A cohort study. [Environmental Pollution](#), 238, 698-705.
- 29 Andrade-Oliva, M. A., Aztatzi-Aguilar, O. G., Garcia-Sierra, F., De Vizcaya-Ruiz, A. & Arias-Montano, J. A. (2018). Effect of in vivo exposure to ambient fine particles (PM2.5) on the density of dopamine D2-like receptors and dopamine-induced [³⁵S]-GTP+³S binding in rat prefrontal cortex and striatum membranes. [Environmental Toxicology and Pharmacology](#), 60, 58-65.
- 30 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurement of Associated Z Plus Charm Production in Proton-Proton Collisions at Root S=8tev. [European Physical Journal C](#), 78(4), 287.
- 31 Acharya, S., Adam, J., Adamova, D. et al. (2018). Pi(0) and Eta Meson Production in Proton-Proton Collisions at Root S=8 Tev. [European Physical Journal C](#), 78(3), 263.
- 32 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Study of Dijet Events With a Large Rapidity Gap Between the Two Leading Jets in Pp Collisions at Root S=7 Tev. [European Physical Journal C](#), 78(3), 242.
- 33 Quezada-Ramirez, M. A., Castaneda-Arellano, R., Perez-Sanchez, G., Hernandez-Soto, J. & Segovia, J. (2018). The Growth Arrest Specific 1 (Gas1) Gene Is Transcriptionally Regulated by Neurod1 Via Two Distal E-Boxes. [Experimental Cell Research](#), 363(2), 332-341.

- 34 Gonzalez, M. M., Aguilar, C. H., Pacheco, F. A. D. et al. (2018). Tissue Damage, Temperature, and Ph Induced by Different Electrode Arrays on Potato Pieces (*Solanum Tuberosum L.*). *Frontiers in Oncology*, 8, 101.
- 35 Herrera-Ubaldo, H. & De Folter, S. (2018). Exploring Cell Wall Composition and Modifications During the Development of the Gynoecium Medial Domain in *Arabidopsis*. *Frontiers in Plant Science*, 9, 454.
- 36 Quintana-Rodriguez, E., Rivera-Macias, L. E., Adame-Alvarez, R. M., Molina-Torres, J. & Heil, M. (2018). Shared weapons in fungus-fungus and fungus-plant interactions? Volatile organic compounds of plant or fungal origin exert direct antifungal activity in vitro. *Fungal Ecology*, 33, 115-121.
- 37 Ramirez-Herrera, M. T., Goguitchaichvili, A., Bautista, F. et al. (2018). Application of Multiple Proxies in Mexican Tropical Coasts to Prove Evidence of Tsunami Deposits. *Geofisica Internacional*, 57(1), 9-10.
- 38 Rosales-Perez, A., Terashima-Marín, H., García, S., Herrera, F. & Coello, C. A. C. (2018). (Mcesvm)-E-2: Multiclass Classification Based on Cooperative Evolution of Support Vector Machines. *Ieee Computational Intelligence Magazine*, 13(2), 18-29.
- 39 Amaya, I., Ortiz-Bayliss, J. C., Rosales-Perez, A., Gutierrez-Rodriguez, A. E., Conant-Pablos, S. E., Terashima-Marín, H. & Coello, C. A. (2018). Enhancing Selection Hyper-Heuristics Via Feature Transformations. *Ieee Computational Intelligence Magazine*, 13(2), 30-41.
- 40 Marin-Castro, H. M., Sosa-Sosa, V. & Nuno-Maganda, M. A. (2018). Automatic Construction of Vertical Search Tools for the Deep Web. *Ieee Latin America Transactions*, 16(2), 574-584.
- 41 Morales, J. R., Uribe, F. A., Zuniga, P., Gomez, P. & Naredo, J. L. (2018). Error Images for Estimating the Accuracy of Ground-Return Impedance Models. *Ieee Transactions on Power Delivery*, 33(3), 1489-1491.
- 42 Rergis, C. M., Betancourt, R. J., Espejo, E. B. & Messina, A. R. (2018). Fourier-Series Approach to Model Order Reduction and Controller Interaction Analysis of Large-Scale Power System Models. *Iet Generation Transmission & Distribution*, 12(6), 1247-1255.
- 43 Trane, G., Mijarez, R., Guevara, R. & Baltazar, A. (2018). Guided Wave Sensor for Simple Digital Communication Through an Oil Industry Multi-Wire Cable. *Insight*, 60(4), 206-+.
- 44 Hernandez-Diez, J. E., Mendez-Barrios, C. F., Mondie, S., Niculescu, S. I. & Gonzalez-Galvan, E. J. (2018). Proportional-Delayed Controllers Design for Lti-Systems: a Geometric Approach. *International Journal of Control*, 91(4), 907-925.
- 45 Rodriguez-Mata, A. E., Gonzalez-Hernandez, I., Rangel-Peraza, J. G., Salazar, S. & Leal, R. L. (2018). Wind-Gust Compensation Algorithm Based on High-Gain Residual Observer to Control a Quadrotor Aircraft: Real-Time Verification Task at Fixed Point. *International Journal of Control Automation and Systems*, 16(2), 856-866.

- 46 Moreno-Barcenas, A., Perez-Robles, J. F., Vorobiev, Y. V., Pech-Pech, I. E. & Garcia, A. G. (2018). Facile in-Situ Reduction Method for Preparation of Go-Pd Catalysts. [International Journal of Electrochemical Science](#), 13(3), 3171-3184.
- 47 Cuevas, E., Uribe-Martinez, A. & Liceaga-Correa, M. D. (2018). A Satellite Remote-Sensing Multi-Index Approach to Discriminate Pelagic Sargassum in the Waters of the Yucatan Peninsula, Mexico. [International Journal of Remote Sensing](#), 39(11), 3608-3627.
- 48 Tirado-Mendez, J. A., Jardon-Aguilar, H., Flores-Leal, R. & Rangel-Merino, A. (2018). Multiband Reduced-Size Patch Antenna by Employing a Modified Dms-Spur-Line Combo Technique. [International Journal of Rf and Microwave Computer-Aided Engineering](#), 28(4), E21232.
- 49 Durruthy-Rodriguez, M. D., Gervacio-Arciniega, J. J., Hernandez-Garcia, M. & Yanez-Limon, J. M. (2018). Photoluminescence characteristics of soft PZT 53/47 ceramic doped at A and/or B sites. [Journal of Advanced Ceramics](#), 7(2), 109-116.
- 50 Wang, H. J., Fowler, M. I., Messenger, D. J. et al. (2018). Homoisoflavonoids Are Potent Glucose Transporter 2 (Glut2) Inhibitors: a Potential Mechanism for the Glucose-Lowering Properties of Polygonatum Odoratum. [Journal of Agricultural and Food Chemistry](#), 66(12), 3137-3145.
- 51 Reyna-Beltran, E., Iranzo, M., Calderon-Gonzalez, K. G., Mondragon-Flores, R., Labra-Barrios, M. L., Mormeneo, S. & Luna-Arias, J. P. (2018). The Candida Albicans Eno1 Gene Encodes a Transglutaminase Involved in Growth, Cell Division, Morphogenesis, and Osmotic Protection. [Journal of Biological Chemistry](#), 293(12), 4304-4323.
- 52 Lopez-Canales, O., Castillo-Hernandez, M. D., Vargas-Robles, H., Rios, A., Lopez-Canales, J. & Escalante, B. (2018). Androgens Mediate Beta-Adrenergic Vasorelaxation Impairment Using Adenylyl Cyclase. [Journal of Cardiovascular Pharmacology](#), 71(3), 147-154.
- 53 Rodriguez-Monterrosas, C., Diaz-Aragon, R., Leal-Orta, E., Cortes-Reynosa, P. & Salazar, E. P. (2018). Insulin Induces an Emt-Like Process in Mammary Epithelial Cells Mcf10a. [Journal of Cellular Biochemistry](#), 119(5), 4061-4071.
- 54 Acosta-Santoyo, G., Herrada, R. A., De Folter, S. & Bustos, E. (2018). Stimulation of the Germination and Growth of Different Plant Species Using an Electric Field Treatment With Iro2-Ta2o5 Vertical Bar Ti Electrodes. [Journal of Chemical Technology and Biotechnology](#), 93(5), 1488-1494.
- 55 Trejo, K. K., Clempner, J. B. & Poznyak, A. S. (2018). Adapting attackers and defenders patrolling strategies: A reinforcement learning approach for Stackelberg security games. [Journal of Computer and System Sciences](#), 95, 35-54.
- 56 Cantillo-Negrete, J., Carino-Escobar, R. I., Carrillo-Mora, P., Elias-Vinas, D. & Gutierrez-Martinez, J. (2018). Motor Imagery-Based Brain-Computer Interface Coupled to a Robotic Hand Orthosis Aimed for Neurorehabilitation of Stroke Patients. [Journal of Healthcare Engineering](#), 2018, 1624637.

- 57 Toledo-Peral, C. L., Gutierrez-Martinez, J., Mercado-Gutierrez, J. A., Martin-Vignon-Whaley, A. I., Vera-Hernandez, A. & Leija-Salas, L. (2018). Semg Signal Acquisition Strategy Towards Hand Fes Control. [Journal of Healthcare Engineering](#), 2018, 2350834.
- 58 Huerta, M. E., Flores, T. M., Barraza, C. & Castillejos, A. H. (2018). Air-Mist Heat Extraction and Visualization of Droplets-Surface Interactions from 60 to 1200°C under Steady-State Conditions. [Journal of Heat Transfer](#), 140(6), 062003.
- 59 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Combined Search for Electroweak Production of Charginos and Neutralinos in Proton-Proton Collisions at Root S=13 Tev. [Journal of High Energy Physics](#), (3), 160.
- 60 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurement of Differential Cross Sections in the Kinematic Angular Variable Phi* for Inclusive Z Boson Production in Pp Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (3), 172.
- 61 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurement of the Inclusive T(T)Over-Bar Cross Section in Pp Collisions Root S=5.02 Tev Using Final States With at Least One Charged Lepton. [Journal of High Energy Physics](#), (3), 115.
- 62 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for New Phenomena in Final States With Two Opposite-Charge, Same-Flavor Leptons, Jets, and Missing Transverse Momentum in Pp Collisions at Root S=13tev. [Journal of High Energy Physics](#), (3), 76.
- 63 Barreda, D., Sanchez-Galindo, M., Lopez-Flores, J., Nava-Castro, K. E., Bobadilla, K., Salgado-Aguayo, A. & Santos-Mendoza, T. (2018). Pdz Proteins Are Expressed and Regulated in Antigen-Presenting Cells and Are Targets of Influenza a Virus. [Journal of Leukocyte Biology](#), 103(4), 731-738.
- 64 Castro, A. A., Morales, F., Romero, M., Conde-Gallardo, A. & Escamilla, R. (2018). Effect of Co Partial Substitution on the Valence State of Ru in the Gd2-X Co (X) Ru2O7 Pyrochlore. [Journal of Materials Science](#), 53(11), 8067-8073.
- 65 Osuna-Ramos, J. F., Rendon-Aguilar, H., Reyes-Ruiz, J. M., Del Angel, R. M., Romero-Utrilla, A., Rios-Burgueno, E. R., Velarde-Rodriguez, I. & Velarde-Felix, J. S. (2018). The Correlation of Tnf Alpha Levels With the Lipid Profile of Dengue Patients. [Journal of Medical Virology](#), 90(6), 1160-1163.
- 66 Cruz-Navarro, A., Rivera, J. M., Duran-Hernandez, J., Castillo-Blum, S., Flores-Parra, A., Sanchez, M., Hernandez-Ahuactzi, I. & Colorado-Peralta, R. (2018). Luminescence properties and DFT calculations of lanthanide(III) complexes (Ln = La, Nd, Sm, Eu, Gd, Tb, Dy) with 2,6-bis(5-methylbenzimidazol-2-yl)pyridine. [Journal of Molecular Structure](#), 1164, 209-216.
- 67 Moreno-Barcenas, A., Perez-Robles, J. F., Vorobiev, Y. V., Ornelas-Soto, N., Mexicano, A. & Garcia, A. G. (2018). Graphene Synthesis Using a Cvd Reactor and a Discontinuous Feed of Gas Precursor at Atmospheric Pressure. [Journal of Nanomaterials](#), 2018, 3457263.

- 68 Juaristi, E. & Notario, R. (2018). Stereoelectronic Interactions Exhibited by (1)J(C-H) One-Bond Coupling Constants and Examination of the Possible Existence of the Intramolecular Alpha-Effect in Six-Membered Oxygen-Containing Heterocycles. *Journal of Organic Chemistry*, 83(6), 3293-3298.
- 69 Avila, K. J. M., Tellez, S. C., Aguilar, J. U. B., Martinez, R. M., Becerra, L. M. & Guajardo, C. F. (2018). Luminescent Polymethyl Methacrylate Composite Films Activated Under Infrared Radiation, Useful for Engineering Applications. *Journal of Photonics for Energy*, 8(1), 014001.
- 70 Macias, J. D., Romero-Paredes, H., Gutierrez-Razo, R. A. et al. (2018). Thermal characterization of soda lime silicate glass-graphite composites for thermal energy storage. *Journal of Renewable and Sustainable Energy*, 10(2), 024701.
- 71 Vargas-Caporali, J. & Juaristi, E. (2018). Determination of Enantioselectivities by Means of Chiral Stationary Phase Hplc in Order to Identify Effective Proline-Derived Organocatalysts. *Journal of the Brazilian Chemical Society*, 29(5), 896-915.
- 72 Gallegos, J. A., Duarte-Mermoud, M. A. & Castro-Linares, R. (2018). Mixed order robust adaptive control for general linear time invariant systems. *Journal of the Franklin Institute-Engineering and Applied Mathematics*, 355(8), 3399-3422.
- 73 Machin Almeida, J., Loukianov, A. G., Canedo-Castaneda, J. M. & Rivera-Dominguez, J. (2018). Robust Sensorless Observer-Based Adaptive Sliding Modes Control of Synchronous Motors. *Journal of the Franklin Institute-Engineering and Applied Mathematics*, 355(7), 3221-3248.
- 74 Rodriguez-Angeles, A. & Vazquez-Chavez, L. F. (2018). Bio-inspired decentralized autonomous robot mobile navigation control for multi agent systems. *Kybernetika*, 54(1), 135-154.
- 75 Rodriguez-Robledo, M. C., Gonzalez-Lozano, M. A., Ponce-Pena, P. et al. (2018). Cellulose-silica nanocomposites of high reinforcing content with fungi decay resistance by one-pot synthesis. *Materials*, 11, 575.
- 76 Samaniego-Benitez, J. E., Garcia-Garcia, A. & Ramirez-Bon, R. (2018). Synthesis of coppers sulfite hexapods by simple hydrothermal route. *Materials Letters*, 221, 224-227.
- 77 Garcia-Ancona, R., Morais, J. & Porter, R. M. (2018). Contrageneric Functions on Spheroidal Domains. *Mathematical Methods in the Applied Sciences*, 41(7), 2575-2589.
- 78 Martinez-Cardenas, A., Chavez-Cabrera, C., Vasquez-Bahena, J. M. & Flores-Cotera, L. B. (2018). A Common Mechanism Explains the Induction of Aerobic Fermentation and Adaptive Antioxidant Response in Phaffia Rhodozyma. *Microbial Cell Factories*, 17(1), 53.
- 79 Tirado-Mendez, J. A., Jardon-Aguilar, H., Flores-Leal, R., Rangel-Merino, A. & Linares-Miranda, R. (2018). Multiband Microstrip Yagi-Uda Antenna Based on Drivers Stack Configuration. *Microwave and Optical Technology Letters*, 60(5), 1211-1215.

- 80 Guerrero-Flores, A. D., Uribe-Salas, A., Davila-Pulido, G. I. & Flores-Alvarez, J. M. (2018). Simultaneous removal of calcium and sulfate ions from flotation water of complex sulfides. *Minerals Engineering*, 123, 28-34.
- 81 Ventura-Aquino, E., Fernandez-Guasti, A. & Paredes, R. G. (2018). Hormones and the Coolidge effect. *Molecular and Cellular Endocrinology*, 467, 42-48.
- 82 Becerril-Esquivel, C., Penuelas-Urquides, K., Blancas-Sanchez, E., Zapata-Benavides, P., Silva-Ramirez, B., Chavez-Reyes, A., Castorena-Torres, F., Cisneros, B. & De Leon, M. B. (2018). The Polyaromatic Hydrocarbon -Naphthoflavone Alters Binding of Yy1, Sp1, and Sp3 Transcription Factors to the Dp71 Promoter in Hepatic Cells. *Molecular Medicine Reports*, 17(4), 6150-6155.
- 83 Martinez-Levy, G. A., Rocha, L., Rodriguez-Pineda, F. et al. (2018). Increased Expression of Brain-Derived Neurotrophic Factor Transcripts I and VI, Camp Response Element Binding, and Glucocorticoid Receptor in the Cortex of Patients With Temporal Lobe Epilepsy. *Molecular Neurobiology*, 55(5), 3698-3708.
- 84 Bryson Jr., R. W., Zarza, E., Grummer, J. A., Parra-Olea, G., Flores-Villela, O., Klicka, J. & McCormack, J. E. (2018). Phylogenomic insights into the diversification of salamanders in the *Isthmura bellii* group across the Mexican highlands. *Molecular Phylogenetics and Evolution*, 125, 78-84.
- 85 Celis-Arias, V., Loera-Serna, S., Beltran, H. I., Alvarez-Zeferino, J. C., Garrido, E. & Ruiz-Ramos, R. (2018). The Fungicide Effect of Hkust-1 on Aspergillus Niger, Fusarium Solani and Penicillium Chrysogenum. *New Journal of Chemistry*, 42(7), 5570-5579.
- 86 Acharya, S., Adamova, D., Adolfsson, J. et al. (2018). Production of He-4 and $(4)\langle\text{He}\rangle$ Over Bar in Pb-Pb Collisions at Root(Nn)-N-S=2.76 TeV at the Lhc. *Nuclear Physics A*, 971, 1-20.
- 87 Latha, M., Devi, R. A. & Velumani, S. (2018). Hot injection synthesis of Cu(In, Ga)Se₂ nanocrystals with tunable bandgap. *Optical Materials*, 79, 450-456.
- 88 Ramos-Tovar, E., Hernandez-Aquino, E., Casas-Grajales, S., Buendia-Montano, L. D., Galindo-Gomez, S., Camacho, J., Tsutsumi, V. & Muriel, P. (2018). Stevia prevents acute and chronic liver injury induced by carbon tetrachloride by blocking oxidative stress through Nrf2 upregulation. *Oxidative Medicine and Cellular Longevity*, 2018, 3823426.
- 89 Mirasol-Melendez, E., Brieba, L. G., Diaz-Quezada, C., Lopez-Hidalgo, M., Figueroa-Angulo, E. E., Avila-Gonzalez, L., Arroyo-Verastegui, R. & Benitez-Cardoza, C. G. (2018). Characterization of multiple enolase genes from *Trichomonas vaginalis*. Potential novel targets for drug and vaccine design. *Parasitology International*, 67(4), 444-453.
- 90 Rosentsveig, R., Yadgarov, L., Feldman, Y. et al. (2018). Doping of Fullerene-Like MoS₂ Nanoparticles With Minute Amounts of Niobium. *Particle & Particle Systems Characterization*, 35(3), 1700165.

- 91 Mendoza-Barraza, S. S., Villavelazquez-Mendoza, C. I., Levy-Padilla, M. I. et al. (2018). In Situ Reinforcement of Particulate Sic Porous Samples With -Si₃n₄-Nanofibers Synthesized by the Cvi Method Without Catalytic Precursors. [Particulate Science and Technology](#), 36(3), 263-269.
- 92 Cruz-Hernandez, H. & De la Fraga, L. G. (2018). A fiducial tag invariant to rotation, translation, and perspective transformations. [Pattern Recognition](#), 81, 213-223.
- 93 Nigenda-Morales, S. F., Harrigan, R. J. & Wayne, R. K. (2018). Playing by the Rules? Phenotypic Adaptation to Temperate Environments in an American Marsupial. [PeerJ](#), 6, 4512.
- 94 Gomez-Lojero, C., Leyva-Castillo, L. E., Herrera-Salgado, P., Barrera-Rojas, J., Rios-Castro, E. & Gutierrez-Cirlos, E. B. (2018). Leptolyngbya Ccm 4, a Cyanobacterium With Far-Red Photoacclimation From Cuatro Cienegas Basin, Mexico. [Photosynthetica](#), 56(1), 342-353.
- 95 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurement of the Lambda(B) Polarization and Angular Parameters in Lambda(B) → J/Psi Lambda Decays From pp Collisions at Root S=7 and 8 Tev. [Physical Review D](#), 97(7), 072010.
- 96 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Massive Resonances Decaying Into Ww, Wz, Zz, Qw, and Qz With Dijet Final States at Root S=13 Tev. [Physical Review D](#), 97(7), 072006.
- 97 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Vectorlike Light-Flavor Quark Partners in Proton-Proton Collisions at Root S=8 Tev. [Physical Review D](#), 97(7), 072008.
- 98 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurement of the Splitting Function in pp and Pb-Pb Collisions at Root s_{NN}=5.02 Tev. [Physical Review Letters](#), 120(14), 142302.
- 99 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Suppression of Excited Gamma States Relative to the Ground State in Pb-Pb Collisions at Root S(Nn)=5.02 Tev. [Physical Review Letters](#), 120(14), 142301.
- 100 Acharya, S., Adamova, D., Adolfsson, J. et al. (2018). First measurement of +Pc 0 production in pp collisions at root s=7 TeV. [Physics Letters B](#), 781, 8-19.
- 101 Acharya, S., Adam, J., Adamova, D. et al. (2018). Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at root s_{NN}=2.76 TeV. [Physics Letters B](#), 781, 20-32.
- 102 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurement of quarkonium production cross sections in pp collisions at root s=13TeV. [Physics Letters B](#), 780, 251-272.
- 103 Acharya, S., Adamova, D., Adolfsson, J. et al. (2018). Measurement of Z0-boson production at large rapidities in Pb-Pb collisions at root s_{NN}=5.02TeV. [Physics Letters B](#), 780, 372-383.
- 104 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at root s=13TeV. [Physics Letters B](#), 781, 244-269.

- 105 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for excited quarks of light and heavy flavor in gamma + jet final states in proton-proton collisions at root s = 13 Tev. [Physics Letters B](#), 781, 390-411.
- 106 Ortega-Robles, E., Cruz-Orea, A. & Elias-Vinas, D. (2018). Simple and Portable Low Frequency Lock-in Amplifier Designed for Photoacoustic Measurements and Its Application to Thermal Effusivity Determination in Liquids. [Review of Scientific Instruments](#), 89(3), 034904.
- 107 Valerio-Lizarraga, C. A., Duarte-Galvan, C., Valenzuela, D. C., Cuna Ghim, Medina, L., Hernandez-Chahin, K. G., Canton, G. G. & Yee-Rendon, B. (2018). Study of the First Mexican Rf Linear Accelerator. [Revista Mexicana De Fisica](#), 64(2), 116-121.
- 108 Santillan, M. (2018). Synchronization Dynamics of Two Mutually Coupled 555-Ic Based Electronic Oscillators. [Revista Mexicana De Fisica](#), 64(2), 107-115.
- 109 Sepulveda-Jauregui, A., Hoyos-Santillan, J., Martinez-Cruz, K., Walter-Anthony, K. M., Casper, P., Belmonte-Izquierdo, Y. & Thalasso, F. (2018). Eutrophication exacerbates the impact of climate warming on lake methane emission. [Science of The Total Environment](#), 636, 411-419.
- 110 Fuentes-Garcia, J. A., Diaz-Cano, A. I., Guillen-Cervantes, A. & Santoyo-Salazar, J. (2018). Magnetic Domain Interactions of Fe₃O₄ Nanoparticles Embedded in a SiO₂ Matrix. [Scientific Reports](#), 8, 5096.
- 111 Elizondo-Quiroga, D., Medina-Sanchez, A., Sanchez-Gonzalez, J. M. et al. (2018). Zika Virus in Salivary Glands of Five Different Species of Wild-Caught Mosquitoes from Mexico. [Scientific Reports](#), 8(1), 809.
- 112 Abundis-Fong, H. F., Enriquez-Zarate, J., Cabrera-Amado, A. & Silva-Navarro, G. (2018). Optimum Design of a Nonlinear Vibration Absorber Coupled to a Resonant Oscillator: a Case Study. [Shock and Vibration](#), 2018, 2107607.
- 113 Collazo-Reyes, F., Garcia-Compean, H., Perez-Angon, M. A. & Russell, J. M. (2018). Scientific Eponyms in Latin America: the Case of Jerzy Plebanski in the Area of Mathematical Physics. [Social Epistemology](#), 32(1), 63-74.
- 114 Chacon-Cortes, L. F. & Zuniga-Galindo, W. A. (2018). Heat Traces and Spectral Zeta Functions for P-Adic Laplacians. [St Petersburg Mathematical Journal](#), 29(3), 529-544.
- 115 Chavez-Portillo, M., Alvarado-Pulido, J., Gallardo-Hernandez, S., Soto-Cruz, B. S., Alcantara-Iniesta, S., Gutierrez-Perez, R. & Portillo-Moreno, O. (2018). Voc enhancement of a solar cell with doped Li+-PbS as the active layer. [Superlattices and Microstructures](#), 118, 137-144.
- 116 Munoz-Vazquez, A. J., Parra-Vega, V., Sanchez-Orta, A. & Romero-Galvan, G. (2018). Quadratic Lyapunov functions for stability analysis in fractional-order systems with not necessarily differentiable solutions. [Systems & Control Letters](#), 116, 15-19.

- 117 Martinez-Jarquin, S., Herrera-Ubaldo, H., De Folter, S. & Winkler, R. (2018). In vivo monitoring of nicotine biosynthesis in tobacco leaves by low-temperature plasma mass spectrometry. [Talanta](#), 185, 324-327.
- 118 Gamboa, J. U. S., Cardona, M. R., Landaverde, M. A. H. & Sandoval, S. J. J. (2018). Structure and Electrical Properties of Sputtered Cu₂-Xte Films (0 <= X <= 1). [Thin Solid Films](#), 653, 143-150.
- 119 Garcia-Lara, L., Morales-Martinez, A., Angeles-Lopez, Q. D., Pedraza-Espitia, H., Perez-Neri, I., Rodriguez-Balderas, C. A. & Perez-Severiano, F. (2018). Establishment and Maintenance of an R6/1 Transgenic Mouse Colony and Validation of Its Progressive Neurological Phenotype to Study Huntington's Disease. [Veterinaria Mexico](#), 5(1), 487.
- 120 Isaac-Marquez, A. P., Talamas-Rohana, P., Galindo-Sevilla, N., Gaitan-Puch, S. E., Diaz-Diaz, N. A., Hernandez-Ballina, G. A. & Lezama-Davila, C. M. (2018). Decanethiol Functionalized Silver Nanoparticles Are New Powerful Leishmanicidals in Vitro. [World Journal of Microbiology & Biotechnology](#), 34(3), 38.

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

- 121 Nunez-Betancourt, L., Pitones, Y. & Villarreal, R. H. (2018). Footprint and Minimum Distance Functions. [Communications of the Korean Mathematical Society](#), 33(1), 85-101.
- 122 Moreno-Armella, L., Brady, C. & Elizondo-Ramirez, R. (2018). Dynamic Hyperbolic Geometry: Building Intuition and Understanding Mediated by a Euclidean Model. [International Journal of Mathematical Education in Science and Technology](#), 49(4), 594-612.
- 123 Gomez-Pech, E. H., Barrasa-Garcia, S. & Garcia-De Fuentes, A. (2018). Coastal landscape of bacalar lagoon (Quintana Roo, Mexico): Land occupation and production of the imaginarium for tourism. [Investigaciones Geograficas](#), 95, 59532.
- 124 Chakraborty, D., Lopez, C. M. & Sarkar, P. (2018). Disk Encryption: Do We Need to Preserve Length? [Journal of Cryptographic Engineering](#), 8(1), 49-69.
- 125 Razvarz, S., Jafari, R., Granmo, O. C. & Gegov, A. (2018). Solution of Dual Fuzzy Equations Using a New Iterative Method. [Lecture Notes in Artificial Intelligence](#), 10752, 245-255.
- 126 Reyes-Aguirre, L. I., Quintero, H., Estrada-Leyva, B. & Lamas, M. (2018). In vitro assays for mouse Muller cell phenotyping through microRNA profiling in the damaged retina. [Methods in Molecular Biology](#), 1753, 305-315.
- 127 Rozenblum, G. & Vasilevski, N. (2018). Toeplitz operators via sesquilinear forms: Operator Theory. [Operator Theory: Advances and Applications](#), 262, 287-304.
- 128 Torresblanca-Badillo, A. & Zuniga-Galindo, W. A. (2018). Non-Archimedean Pseudodifferential Operators and Feller Semigroups. [P-Adic Numbers Ultrametric Analysis and Applications](#), 10(1), 57-73.

- 129 Kriscautzky, M. & Ferreiro, E. (2018). Evaluar la confiabilidad de la informacion en Internet: como enfrentan el reto los nuevos lectores de 9 a 12 anos. [Perfiles Educativos](#), 40(159), 16-34.
- 130 Olivera-Castillo, L., Grant, G., Kantun-Moreno, N. et al. (2018). Sea cucumber (*Isostichopus badionotus*) body-wall preparations exert anti-inflammatory activity in vivo. [PharmaNutrition](#), 6(2), 74-80.
- 131 Perez, G. M., Gomez-Galindo, A. A. & Galli, L. G. (2018). Teaching of evolution: Fundamentals for the design of a didactic proposal based on modeling and metacognition on epistemological obstacles. [Revista Eureka](#), 15(2), 2102.
- 132 Alfaro, C. A. & Valencia, C. E. (2018). Small Clique Number Graphs With Three Trivial Critical Ideals. [Special Matrices](#), 6(1), 122-154.

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

- 133 Lopez-Luna, A., Hernandez-Melchor, D. & Lopez-Bayghen, E. (2018). Is it really necessary to analyze hundreds of genes to determine the window of implantation? [Journal of Gynecology and Women's Health](#), 9(3), 555761.
- 134 Alanis, A. Y., Hernandez-Vargas, E. A., Chen, G., Sanchez, E. N., Hong, Y. & Celikovsky, S. (2018). Special issue on new trends on complex systems: Adaptation and control. [Kybernetika](#), 54(1), 1-2.
- 135 Castaneda, L., Maldonado, A., Vega-Perez, J., Olvera, M. L. & Torres-Torres, C. (2018). Retraction notice to Electrical and optical properties of nanostructured indium doped zinc oxide thin films deposited by ultrasonic chemical spray technique, starting from zinc acetylacetone and indium chloride Materials Science in Semiconductor Processing, Volume 26, October 2014, Pages 288-293. [Materials Science in Semiconductor Processing](#), 79, 171.
- 136 Garcia-Mena, J., Murugesan, S., Perez-Munoz, A. A. et al. (2018). Airborne Bacterial Diversity From the Low Atmosphere of Greater Mexico City (Vol 72, Pg 70, 2016). [Microbial Ecology](#), 75(3), 819.
- 137 Cantoral, R. (2018). Comparative Education in Latin America. The Case of Alternative Education in Oaxaca: Mathematics and Social Practice. [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 21(1), 5-10.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

- 138 Fernandez-Valverde, S. L. & Degnan, B. M. (2018). Early Evolution of Gene Regulatory Networks in Metazoan Development. [Integrative and Comparative Biology](#), 58, E63.

- 139 Luna, A., Herrera-Cogco, E., Lopez-Bayghen, B., Hernandez-Melchor, D. & Bayghen, E. L. (2018). Effect of Endocrine Disruptors in Mtdna Content of Cumulus Granulosa Cells (Cgcs). *Reproductive Sciences*, 25, 173A-174A.

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

- 140 Murugesan, S., Nirmalkar, K., Hoyo-Vadillo, C., Garcia-Espitia, M., Ramirez-Sanchez, D. & Garcia-Mena, J. (2018). Gut Microbiome Production of Short-Chain Fatty Acids and Obesity in Children. *European Journal of Clinical Microbiology & Infectious Diseases*, 37(4), 621-625.
- 141 Martinez-Alarcon, D., Blanco-Labra, A. & Garcia-Gasca, T. (2018). Expression of Lectins in Heterologous Systems. *International Journal of Molecular Sciences*, 19(2), 616.
- 142 Ahmadi, S., Herrera, L. B., Chehelamirani, M., Hostas, J., Jalife, S. & Salahub, D. R. (2018). Multiscale Modeling of Enzymes: Qm-Cluster, Qm/Mm, and Qm/Mm/Md: a Tutorial Review. *International Journal of Quantum Chemistry*, 118(9), e25558.
- 143 Chazaro-Olvera, S., Winfield, I., Abarca-Avila, M., Ortiz, M. & Lozano-Aburto, M. (2018). Coral Reef Tanaidacean Assemblages Along the Sw and Se Gulf of Mexico: Biodiversity, Geographic Distribution and Community Structure. *Journal of Natural History*, 52(17-18), 1091-1113.
- 144 Quintana-Rodriguez, E., Duran-Flores, D., Heil, M. & Camacho-Coronel, X. (2018). Damage-associated molecular patterns (DAMPs) as future plant vaccines that protect crops from pests. *Scientia Horticulturae*, 237, 207-220.

Última actualización: Junio 28, 2018. 10:57 a.m.