

## ARTÍCULOS DEL MES DE JUNIO DE 2019

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

- 1 Vazquez-Gomez, A., Azcorra, H., Dickinson, F., Avila-Escalante, M. L. & Varela-Silva, M. I. (2019). Body proportionality and adiposity are not related in 6- to 8-year-old Yucatec Maya children. [American Journal of Human Biology](#), 2019: e23254.
- 2 Ruz-Hernandez, J. A., Matsumoto, Y., Arellano-Valmana, F., Pitalua-Diaz, N., Cabanillas-Lopez, R. E., Abril-Garcia, J. H., Herrera-Lopez, E. J. & Velazquez-Contreras, E. F. (2019). Meteorological Variables' Influence on Electric Power Generation for Photovoltaic Systems Located at Different Geographical Zones in Mexico. [Applied Sciences-Basel](#), 9(8): 1649.
- 3 Obregon, S., Vazquez, A., Ruiz-Gomez, M. A. & Rodriguez-Gonzalez, V. (2019). SBA-15 assisted preparation of mesoporous g-C<sub>3</sub>N<sub>4</sub> for photocatalytic H<sub>2</sub> production and Au3+ fluorescence sensing. [Applied Surface Science](#), 488: 205-212.
- 4 Aguilar-Ibanez, C., Sira-Ramirez, H., Suarez-Castanon, M. S. & Garrido, R. (2019). Robust Trajectory-Tracking Control of a Pvtol Under Crosswind. [Asian Journal of Control](#), 21(3): 1293-1306.
- 5 Beltran-Carbajal, F. & Silva-Navarro, G. (2019). Generalized Nonlinear Stiffness Identification on Controlled Mechanical Vibrating Systems. [Asian Journal of Control](#), 21(3): 1281-1292.
- 6 Jimenez-Rodriguez, E., Sanchez-Torres, J. D., Gomez-Gutierrez, D. & Loukinanov, A. G. (2019). Variable Structure Predefined-Time Stabilization of Second-Order Systems. [Asian Journal of Control](#), 21(3): 1179-1188.
- 7 Gomez, M. A., Michiels, W. & Mondie, S. (2019). Design of delay-based output-feedback controllers optimizing a quadratic cost function via the delay Lyapunov matrix. [Automatica](#), 107: 146-153.
- 8 Gamarra, M., Zurek, E., Escalante, H. J., Hurtado, L. & San Juan-Vergara, H. (2019). Split and merge watershed: A two-step method for cell segmentation in fluorescence microscopy images. [Biomedical Signal Processing and Control](#), 53: 101575.
- 9 Pena-Romo, A., Rios, A., Escalante, B. A. & Rodriguez-Gonzalez, J. (2019). Abnormal synchronization patterns in the electrical stimulation-contractile response coupling decrease with noise. [BioSystems](#), 180: 63-70.
- 10 De Dios, E. A., Delaye, L. & Simpson, J. (2019). Transcriptome Analysis of Bolting in A. Tequilana Reveals Roles for Florigen, Mads, Fructans and Gibberellins. [Bmc Genomics](#), 20: 473.

- 11 Morley, S. A., Peralta-Castro, A., Brieba, L. G., Miller, J., Ong, K. L., Ridge, P. G., Oliphant, A., Aldous, S. & Nielsen, B. L. (2019). Arabidopsis Thaliana Organelles Mimic the T7 Phage Dna Replisome With Specific Interactions Between Twinkle Protein and Dna Polymerases Pol1a and Pol1b. [Bmc Plant Biology](#), 19: 241.
- 12 Kassouf, T., Larive, R. M., Morel, A., Urbach, S., Bettache, N., Marcial-Medina, M. C., Merezegue, F., Freiss, G., Peter, M., Boissiere-Michot, F., Solassol, J., Montcourrier, P. & Coopman, P. (2019). The syk kinase promotes mammary epithelial integrity and inhibits breast cancer invasion by stabilizing the e-cadherin/catenin complex. [Cancers](#), 11(12): 1974.
- 13 Fitch-Vargas, P. R., Camacho-Hernandez, I. L., Carrillo-Canedo, K. I. et al. (2019). Mechanical, physical and microstructural properties of acetylated starch-based biocomposites reinforced with acetylated sugarcane fiber. [Carbohydrate Polymers](#), 219: 378-386.
- 14 Reyes-Rodriguez, J. L., Velazquez-Osorio, A., Bahena-Uribe, D., Soto-Guzman, A. B., Leyva, M. A., Rodriguez-Castellanos, A., Citalan-Cigarroa, S. & Solorza-Feria, O. (2019). Tailoring the morphology of Ni-Pt nanocatalysts through the variation of oleylamine and oleic acid: a study on oxygen reduction from synthesis to fuel cell application. [Catalysis Science & Technology](#), 9(10): 2630-2650.
- 15 Castillo, A., Ortuno-Pineda, C., Flores-Maldonado, C. et al. (2019). Ouabain Modulates the Adherens Junction in Renal Epithelial Cells. [Cellular Physiology and Biochemistry](#), 52(6): 1381-1397.
- 16 Valdespino, D., Rojas-George, G., Munoz-Saldana, J., Moreno-Murguia, B. & Cruz-Jauregui, M. (2019). Controlling micro-porous size in TiO<sub>2</sub> pellets processed by sol-gel and rapid liquid phase sintering. [Ceramics International](#), 45(12): 14510-14516.
- 17 Liang, W.-Y., Dong, X., Cui, Z.-H., Barroso, J., Jalife, S., Orozco-Ic, M., Merino, G. & Zarate, X. (2019). B10M2 (M = Rh, Ir): finally a stable boron-based icosahedral cluster. [Chemical Communications](#), 55(52): 7490-7493.
- 18 Li, Z., Rao, F., Song, S., Uribe-Salas, A. & Lopez-Valdivieso, A. (2019). Effects of common ions on adsorption and flotation of malachite with salicylaldoxime. [Colloids and Surfaces A: Physicochemical and Engineering Aspects](#), 577: 421-428.
- 19 Sotelo-Castanon, J., Gutierrez-Robles, J. A., Johnson, B., Moreno, P. & Guzman, A. (2019). Time Domain Parameter Identification of Transient Electromechanical Oscillations. [Compel-the International Journal for Computation and Mathematics in Electrical and Electronic Engineering](#), 38(2): 574-595.
- 20 Morales-Medina, J. C., Flores, G., Vallelunga, A., Griffiths, N. H. & Iannitti, T. (2019). Cerebrolysin improves peripheral inflammatory pain: Sex differences in two models of acute and chronic mechanical hypersensitivity. [Drug Development Research](#), 80(4): 513-518.
- 21 Vargas, U., Ramirez, A. & Abdel-Rahman, M. A. (2019). Practical frequency-domain characterization of switching converters under PWM via Floquet theory. [Electric Power Systems Research](#), 175: 105849.

- 22 Rivera-Acosta, M., Ortega-Cisneros, S. & Rivera, J. (2019). Automatic tool for fast generation of custom convolutional neural networks accelerators for Fpga. [Electronics](#), 8(6): 641.
- 23 Garcia-Cruz, N. U., Valdivia-Rivera, S., Narciso-Ortiz, L., Garcia-Maldonado, J. Q., Uribe-Flores, M. M., Aguirre-Macedo, M. L. & Lizardi-Jimenez, M. A. (2019). Diesel Uptake by an Indigenous Microbial Consortium Isolated From Sediments of the Southern Gulf of Mexico: Emulsion Characterisation. [Environmental Pollution](#), 250: 849-855.
- 24 Herrera-Moreno, J. F., Medina-Diaz, I. M., Bernal-Hernandez, Y. Y., Ramos, K. S., Alvarado-Cruz, I., Quintanilla-Vega, B., Gonzalez-Arias, C. A., Barron-Vivanco, B. S. & Rojas-Garcia, A. E. (2019). Modified Cdkn2b (P15) and Cdkn2a (P16) Dna Methylation Profiles in Urban Pesticide Applicators. [Environmental Science and Pollution Research](#), 26(15): 15124-15135.
- 25 De la Luz-Cuellar, Y. E., Rodriguez-Palma, E. J., Franco-Enzastiga, U., Salinas-Abarca, A. B., Delgado-Lezama, R. & Granados-Soto, V. (2019). Blockade of spinal alpha5-GABAA receptors differentially reduces reserpine-induced fibromyalgia-type pain in female rats. [European Journal of Pharmacology](#), 858: 172443.
- 26 Gonzalez-Solis, S. & Roig, P. (2019). A Dispersive Analysis of the Pion Vector Form Factor and Tau(-) → K- K-S Nu(Tau) Decay. [European Physical Journal C](#), 79(5): 436.
- 27 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Combined measurements of Higgs boson couplings in proton-proton collisions at root S=13 Tev. [European Physical Journal C](#), 79: 421.
- 28 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Supersymmetry in Events With a Photon, Jets, B-Jets, and Missing Transverse Momentum in Proton-Proton Collisions at 13tev. [European Physical Journal C](#), 79(5): 444.
- 29 Abada, A., Abbrescia, M., Abdussalam, S. S. et al. (2019). Fcc-Ee: the Lepton Collider: Future Circular Collider Conceptual Design Report Volume 2. [European Physical Journal-Special Topics](#), 228(2): 261-623.
- 30 Ramirez-Morales, A., Hernandez, E. & Rudomin, P. (2019). Descending inhibition selectively counteracts the capsaicin-induced facilitation of dorsal horn neurons activated by joint nociceptive afferents. [Experimental Brain Research](#), 237(7): 1629-1641.
- 31 Pazmino-Arteaga, J. D., Chagolla, A., Gallardo-Cabrera, C., Ruiz-Marquez, A. F., Gonzalez-Rodriguez, A. T., Camargo-Escalante, M. O., Tiessen, A. & Winkler, R. (2019). Screening for Green Coffee With Sensorial Defects Due to Aging During Storage by Maldi-Tof Mass Fingerprinting. [Food Analytical Methods](#), 12(7): 1571-1576.
- 32 Vargas-Romero, F., Gonzalez-Barrios, R., Guerra-Calderas, L., Escobedo-Avila, I., Cortes-Perez, D., Lopez-Ornelas, A., Rocha, L., Soto-Reyes, E. & Velasco, I. (2019). Histamine Modulates Midbrain Dopamine Neuron Differentiation Through the Regulation of Epigenetic Marks. [Frontiers in Cellular Neuroscience](#), 13: 215.

- 33 Rivas, A. L., Hoogesteijn, A. L., Antoniades, A. et al. (2019). Assessing the Dynamics and Complexity of Disease Pathogenicity Using 4-Dimensional Immunological Data. [Frontiers in Immunology](#), 10: 1258.
- 34 Salinas-Vera, Y. M., Gallardo-Rincon, D., Garcia-Vazquez, R. et al. (2019). Hypoxamirs Profiling Identify Mir-745 as a Regulator of the Early Stages of Vasculogenic Mimicry in Skov3 Ovarian Cancer Cells. [Frontiers in Oncology](#), 9: 381.
- 35 Hernandez-Montiel, W., Colli-Dula, R. C., Ramon-Ugalde, J. P., Martinez-Nunez, M. A. & Zamora-Bustillos, R. (2019). Rna-Seq Transcriptome Analysis in Ovarian Tissue of Pelibuey Breed to Explore the Regulation of Prolificacy. [Genes](#), 10(5): 358.
- 36 Pimienta, J. A. P., Papa, G., Rodriguez, A., Barcelos, C. A., Liang, L., Stavila, V., Sanchez, A., Gladden, J. M. & Simmons, B. A. (2019). Pilot- Scale Hydrothermal Pretreatment and Optimized Saccharification Enables Bisabolene Production From Multiple Feedstocks. [Green Chemistry](#), 21(11): 3152-3164.
- 37 Moldovan, O., Castro-Carranza, A., Estrada, M., Cerdeira, A., Lime, F. & Iniguez, B. (2019). A Complete Charge-Based Capacitance Model for Igzo Tfts. [Ieee Electron Device Letters](#), 40(5): 730-733.
- 38 Ma, L., Li, J., Lin, Q., Gong, M., Coello-Coello, C. A. & Ming, Z. (2019). Reliable Link Inference for Network Data with Community Structures. [Ieee Transactions on Cybernetics](#), 49(9): 3347-3361.
- 39 Lin, Q. Z., Liu, S. B., Wong, K. C., Gong, M. G., Coello, C. A. C., Chen, J. Y. & Zhang, J. (2019). A Clustering-Based Evolutionary Algorithm for Many-Objective Optimization Problems. [Ieee Transactions on Evolutionary Computation](#), 23(3): 391-405.
- 40 Medina, E., Ramirez, A., Morales, J. & Mahseredjian, J. (2019). Alternative Approach to Alleviate Passivity Violations of Rational-Based Fitted Functions. [Ieee Transactions on Power Delivery](#), 34(3): 1161-1170.
- 41 Rergis, C. M., Kamwa, I., Khazaka, R. & Messina, A. R. (2019). A Loewner Interpolation Method for Power System Identification and Order Reduction. [Ieee Transactions on Power Systems](#), 34(3): 1834-1844.
- 42 De Rodriguez, D. J., Puente-Romero, G. N., Diaz-Jimenez, L., Rodriguez-Garcia, R., Ramirez-Rodriguez, H., Villarreal-Quintanilla, J. A., Flores-Lopez, M. L., Carrillo-Lomeli, D. A. & Genisheva, Z. A. (2019). In vitro gastrointestinal digestion of microencapsulated extracts of Flourensia cernua, F. microphylla, and F. retinophylla. [Industrial Crops and Products](#), 138: 111444.
- 43 Diaz-Jimenez, L., Carlos-Hernandez, S., Jasso-De Rodriguez, D. & Rodriguez-Garcia, R. (2019). Conceptualization of a biorefinery for guishe revalorization. [Industrial Crops and Products](#), 138: 111441.

- 44 Jasso de Rodriguez, D., Gaytan-Sanchez, N. A., Rodriguez-Garcia, R., Hernandez-Castillo, F. D., Diaz-Jimenez, L., Villarreal-Quintanilla, J. A., Flores-Lopez, M. L., Carrillo-Lomeli, D. A. & Pena-Ramos, F. M. (2019). Antifungal activity of *Juglans* spp. and *Carya* sp. ethanol extracts against *Fusarium oxysporum* on tomato under greenhouse conditions. *Industrial Crops and Products*, 138: 111442.
- 45 Perrusquia, A., Yu, W. & Soria, A. (2019). Position/Force Control of Robot Manipulators Using Reinforcement Learning. *Industrial Robot-the International Journal of Robotics Research and Application*, 46(2): 267-280.
- 46 Pavlenko, A. V., Kudryavtsev, Y. A., Stryukov, D. V., Anokhin, A. S., Kovtun, A. P. & Sevast'yanov, B. Y. (2019). Composition, Structure, and Dielectric Characteristics of (Sr<sub>0.5</sub>ba<sub>0.5</sub>)Nb<sub>2</sub>O<sub>6</sub>/Pt(111)/Si(001) Films. *Inorganic Materials*, 55(2): 167-172.
- 47 Martinez-De Leon, C. G., Rodriguez-Alvarez, A., Flores-Parra, A. & Grevy, J. M. (2019). Palladium(II) complexes of hemilabile NNS and NNSe iminophosphorane ligands: Synthesis, characterization, and reactivity. *Inorganica Chimica Acta*, 495: 118945.
- 48 Munoz-Vazquez, A. J., Sanchez-Torres, J. D., Parra-Vega, V., Sanchez-Orta, A. & Martinez-Reyes, F. (2019). Robust Contour Tracking of Nonholonomic Mobile Robots Via Adaptive Velocity Field Motion Planning Scheme. *International Journal of Adaptive Control and Signal Processing*, 33(6): 890-899.
- 49 Ha, H. T., Lin, K. N., Morey, S., Reyes, E. & Villarreal, R. H. (2019). Edge Ideals of Oriented Graphs. *International Journal of Algebra and Computation*, 29(3): 535-559.
- 50 Garrido, R. & Trujano, M. A. (2019). Stability Analysis of a Visual Pid Controller Applied to a Planar Parallel Robot. *International Journal of Control Automation and Systems*, 17(6): 1589-1598.
- 51 Chipatecua, Y., Vazquez, G. & Olaya, J. J. (2019). Effect of Bilayer Period on Corrosion Resistance Behavior of Cr<sub>n</sub>/Cr Nanomultilayers Grown on 304 Ss. *International Journal of Electrochemical Science*, 14(6): 5726-5737.
- 52 Matus-Arrambide, A., Mendoza-Jimenez, R. A., De Moure-Flores, F., Mayen-Hernandez, S. A., Olvera-Amador, M. L., Arenas-Arrocena, M. C. & Cruz, J. S. (2019). Poly-3-Hexylthiophene Doped With Iron Disulfide Nanoparticles for Hybrid Solar Cells. *International Journal of Energy Research*, 43(8): 3723-3731.
- 53 Fels, J., Scharner, B., Zarbock, R., Guevara, I. P. Z., Lee, W. K., Barbier, O. C. & Thevenod, F. (2019). Cadmium Complexed With 2-Microglobulin, Albumin and Lipocalin-2 Rather Than Metallothionein Cause Megalin:Cubilin Dependent Toxicity of the Renal Proximal Tubule. *International Journal of Molecular Sciences*, 20(10): 2379.

- 54 Martinez-Sanmiguel, J. J., Zarate-Trivino, D. G., Hernandez-Delgadillo, R., Giraldo-Betancur, A. L., Pineda-Aguilar, N., Galindo-Rodriguez, S. A., Franco-Molina, M. A., Hernandez-Martinez, S. P. & Rodriguez-Padilla, C. (2019). Anti-Inflammatory and Antimicrobial Activity of Bioactive Hydroxyapatite/Silver Nanocomposites. *Journal of Biomaterials Applications*, 33(10): 1314-1326.
- 55 Padilla, L. E., Vazquez, J. A., Matos, T. & German, G. (2019). Scalar Field Dark Matter Spectator During Inflation: the Effect of Self-Interaction. *Journal of Cosmology and Astroparticle Physics*, (5): 056.
- 56 Estrada-Camarena, E., Sollozo-Dupont, I., Islas-Preciado, D., Gonzalez-Trujano, M. E., Carro-Juarez, M. & Lopez-Rubalcava, C. (2019). Anxiolytic- and anxiogenic-like effects of Montanoa tomentosa (Asteraceae): Dependence on the endocrine condition. *Journal of Ethnopharmacology*, 241: 112006.
- 57 Higuera-Hernandez, M. F., Reyes-Cuapio, E., Gutierrez-Mendoza, M. et al. (2019). Blueberry intake included in hypocaloric diet decreases weight, glucose, cholesterol, triglycerides and adenosine levels in obese subjects. *Journal of Functional Foods*, 60: 103409.
- 58 May-Tec, A. L., Martínez-Aquino, A., Aguirre-Macedo, M. L. & Vidal-Martínez, V. M. (2019). Molecular evidence linking the larval and adult stages of Mexiconema cichlasomae (Dracunculoidea: Daniconematidae) from Mexico, with notes on its phylogenetic position among Dracunculoidea. *Journal of Helminthology*, 93(5): 580-588.
- 59 Aaboud, M., Aad, G., Abbott, B. et al. (2019). Combinations of Single-Top-Quark Production Cross-Section Measurements and Vertical Bar F(Lv)V(Tb)Vertical Bar Determinations at Root S=7 and 8 Tev With the Atlas and Cms Experiments. *Journal of High Energy Physics*, (5): 088.
- 60 Mellado-Sanchez, G., Lazaro-Rodriguez, J. J., Avila, S. et al. (2019). Development of Functional Antibodies Directed to Human Dialyzable Leukocyte Extract (Transferon (R)). *Journal of Immunology Research*, 2019: 2754920.
- 61 Saravia, L. E., Lopez, M. F., Pineda-Mendoza, R. M., Obregon-Molina, G., Gonzalez-Escobedo, R., Albores-Medina, A. & Zuniga, G. (2019). Time-Course of Cyp450 Genes Expression From Dendroctonus Rhizophagus (Curculionidae: Scolytinae) During Early Hours of Drilling Bark and Settling Into the Host Tree. *Journal of Insect Science*, 19(3): 11.
- 62 Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Calibration of the Photon Spectrometer Phos of the Alice Experiment. *Journal of Instrumentation*, 14: P05025.
- 63 Alredo-Badillo, I., Morales-Rosales, L. A., Hernandez-Gracidas, C. A., Cruz-Victoria, J. C., Pacheco-Bautista, D. & Morales-Sandoval, M. (2019). Real Time Fpga-Ann Architecture for Outdoor Obstacle Detection Focused in Road Safety. *Journal of Intelligent & Fuzzy Systems*, 36(5): 4425-4436.
- 64 Rodriguez-Gonzalez, A. Y., Martinez-Trinidad, J. F., Carrasco-Ochoa, J. A., Ruiz-Shulcloper, J. & Alvarado-Mentado, M. (2019). Frequent Similar Pattern Mining Using Non Boolean Similarity Functions. *Journal of Intelligent & Fuzzy Systems*, 36(5): 4931-4944.

- 65 Romero-Arcos, M., Perez-Robles, J. F., Garnica-Romo, M. G., Luna-Martinez, M. S. & Gonzalez-Reyna, M. A. (2019). Synthesis and Functionalization of Carbon Nanotubes and Nanospheres as a Support for the Immobilization of an Enzyme Extract From the Mushroom *Trametes Versicolor*. [\*Journal of Materials Science\*](#), 54(17): 11671-11681.
- 66 Bustos-Brito, C., Joseph-Nathan, P., Burgueno-Tapia, E., Martinez-Otero, D., Nieto-Camacho, A., Calzada, F., Yepez-Mulia, L., Esquivel, B. & Quijano, L. (2019). Structure and Absolute Configuration of Abietane Diterpenoids From *Salvia Clinopodioides*: Antioxidant, Antiprotozoal, and Antipropulsive Activities. [\*Journal of Natural Products\*](#), 82(5): 1207-1216.
- 67 Gomez-Zepeda, D., Taghi, M., Smirnova, M. et al. (2019). LC-MS/MS-based quantification of efflux transporter proteins at the BBB. [\*Journal of Pharmaceutical and Biomedical Analysis\*](#), 164: 496-508.
- 68 Perez-Figueroa, S. E., Calaminici, P. & Koster, A. M. (2019). Hybrid Adft Study of the C-104 and C-106 Ipr Isomers. [\*Journal of Physical Chemistry A\*](#), 123(21): 4565-4574.
- 69 Colina-Ruiz, R. A., Tolentino-Hernandez, R. V., Guarneros-Aguilar, C., De Leon, J. M., Espinosa-Faller, F. J. & Caballero-Briones, F. (2019). Chemical Bonding and Electronic Structure in Cds/Go and Cdsse/Go Multilayer Films. [\*Journal of Physical Chemistry C\*](#), 123(22): 13918-13924.
- 70 Oliva-Leyva, M. & De La Cruz, G. G. (2019). Unveiling Optical in-Plane Anisotropy of 2d Materials From Oblique Incidence of Light. [\*Journal of Physics-Condensed Matter\*](#), 31(33): 335701.
- 71 Hernandez-Flores, G., Andrio, A., Compan, V., Solorza-Feria, O. & Poggi-Varaldo, H. M. (2019). Synthesis and characterization of organic agar-based membranes for microbial fuel cells. [\*Journal of Power Sources\*](#), 435: 226772.
- 72 Olicon, O., Escamilla, R., Conde-Gallardo, A. & Morales, F. (2019). Magnetic and Magnetoresistive Behavior of the Ferromagnetic Heavy Fermion Ybn<sub>2</sub>. [\*Journal of Superconductivity and Novel Magnetism\*](#), 32(4): 987-991.
- 73 Aguilera, L. U. & Rodriguez-Gonzalez, J. (2019). Modeling the Effect of Tat Inhibitors on Hiv Latency. [\*Journal of Theoretical Biology\*](#), 473: 20-27.
- 74 Gonzalez, J., Gutierrez, B. & Mas, H. (2019). Pairwise Disjoint Maximal Cliques in Random Graphs and Sequential Motion Planning on Random Right Angled Artin Groups. [\*Journal of Topology and Analysis\*](#), 11(2): 371-386.
- 75 Montes-Castro, N., Alvarado-Cruz, I., Torres-Sanchez, L., Garcia-Aguiar, I., Barrera-Hernandez, A., Escamilla-Nunez, C., Del Razo, L. M. & Quintanilla-Vega, B. (2019). Prenatal exposure to metals modified DNA methylation and the expression of antioxidant- and DNA defense-related genes in newborns in an urban area. [\*Journal of Trace Elements in Medicine and Biology\*](#), 55: 110-120.

- 76 Velazquez-Avila, M., Balandran, J. C., Ramirez-Ramirez, D. et al. (2019). High Cortactin Expression in B-Cell Acute Lymphoblastic Leukemia Is Associated With Increased Transendothelial Migration and Bone Marrow Relapse. [Leukemia](#), 33(6): 1337-1348.
- 77 Prokhorov, E., Barquera-Bibiano, Z., Manzano-Ramirez, A., Luna-Barcenas, G., Kovalenko, Y., Hernandez-Landaverde, M. A., Reyes, B. E. C. & Vargas, J. H. (2019). New Insights in Graphene Oxide Dielectric Constant. [Materials Research Express](#), 6(8): 085622.
- 78 Concepcion, O., Pereira, V. M., Choa, A., Altendorf, S. G., Escobosa, A. & De Melo, O. (2019). The growth of Bi<sub>2</sub>Te<sub>3</sub> topological insulator films: Physical vapor transport vs molecular beam epitaxy. [Materials Science in Semiconductor Processing](#), 101: 61-66.
- 79 Tochimani, A. & Villarreal, R. H. (2019). Vanishing Ideals Over Finite Fields. [Mathematical Notes](#), 105(3-4): 429-438.
- 80 Guerrero, J., Torres, J., Creuze, V., Chemori, A. & Campos, E. (2019). Saturation based nonlinear PID control for underwater vehicles: Design, stability analysis and experiments. [Mechatronics](#), 61: 96-105.
- 81 Mora-Garcia, M. D., Lopez-Cisneros, S., Gutierrez-Serrano, V. et al. (2019). Hpv-16 Infection Is Associated With a High Content of Cd39 and Cd73 Ectonucleotidases in Cervical Samples From Patients With Cin-1. [Mediators of Inflammation](#), 2019: 4651627.
- 82 Lara, A., Uribe, L., Alvarado, S., Sosa, V. A., Wang, H. G. & Schutze, O. (2019). On the Choice of Neighborhood Sampling to Build Effective Search Operators for Constrained Mops. [Memetic Computing](#), 11(2): 155-173.
- 83 Ellison, S., Rovito, S., Parra-Olea, G., Vasquez-Almazan, C., Flechas, S. V., Bi, K. & Vredenburg, V. T. (2019). The Influence of Habitat and Phylogeny on the Skin Microbiome of Amphibians in Guatemala and Mexico. [Microbial Ecology](#), 78(1): 257-267.
- 84 Diaz-Aragon, R., Ramirez-Ricardo, J., Cortes-Reynosa, P., Simoni-Nieves, A., Gomez-Quiroz, L. E. & Salazar, E. P. (2019). Role of Phospholipase D in Migration and Invasion Induced by Linoleic Acid in Breast Cancer Cells. [Molecular and Cellular Biochemistry](#), 457(1-2): 119-132.
- 85 Delgado-Venegas, R. I., Calaminici, P. & Koster, A. M. (2019). Mixed Second and Third Energy Derivatives From Auxiliary Density Perturbation Theory. [Molecular Physics](#), 117(9-12): 1367-1380.
- 86 Landeros, J. M., Suchy, L., Avila-Ortiz, C. G., Maulide, N. & Juaristi, E. (2019). Dendrimeric -Dipeptidic Conjugates as Organocatalysts in the Asymmetric Michael Addition Reaction of Isobutyraldehyde to N-Phenylmaleimides. [Monatshefte Fur Chemie](#), 150(5): 777-788.
- 87 Franco-Guerrero, A. A., Valadez-Jimenez, V. M., Marquez-Quiroz, L. C., Cisneros, B., Cortes, H., Murillo-Melo, N. M., Magana, J. J. & Munoz, B. (2019). Oropharyngeal dysphagia in early stages of myotonic dystrophy type 1. [Muscle & Nerve](#), 60(1): 90-95.

- 88 Ortega, A. R., Perez-Hernandez, N. & Joseph-Nathan, P. (2019). Piscicartone, a Rotenoid From Piscidia Carthagenaensis. [Natural Product Communications](#), 14(5).
- 89 Franco-Robles, E., Ramirez-Emiliano, J. & Lopez, M. G. (2019). Agave Fructans and Oligofructose Decrease Oxidative Stress in Brain Regions Involved in Learning and Memory of Overweight Mice. [Natural Product Research](#), 33(10): 1527-1530.
- 90 Lule-Chavez, A. N., Avila, E. E., Gonzalez-De-La-Vara, L. E., Salas-Marina, M. A. & Ibarra, J. E. (2019). Detrimental Effects of Induced Antibodies on Aedes Aegypti Reproduction. [Neotropical Entomology](#), 48(4): 706-716.
- 91 Sanchez-Viveros, J. M., Bucio-Ortega, J., Ortiz-Pastrana, N. & Olguin, J. (2019). Mononuclear complexes of Fell, Coll and ColII containing imine-based ligands of 8-aminoquinoline and 7-aminoindazole: spin state tuning of Fell complexes in solution. [New Journal of Chemistry](#), 43(25): 9776-9783.
- 92 Hernandez-Reyes, J. E., Salinas-Abarca, A. B., Vidal-Cantu, G. C., Raya-Tafolla, G., Elias-Vinas, D., Granados-Soto, V. & Delgado-Lezama, R. (2019). [alpha]5GABAA receptors play a pronociceptive role and avoid the rate-dependent depression of the Hoffmann reflex in diabetic neuropathic pain and reduce primary afferent excitability. [Pain](#), 160(6): 1448-1458.
- 93 Vidal-Martinez, V. M., Velazquez-Abunader, I., Centeno-Chale, O. A. et al. (2019). Metazoan Parasite Infracommunities of the Dusky Flounder (*Syacium Papillosum*) as Bioindicators of Environmental Conditions in the Continental Shelf of the Yucatan Peninsula, Mexico. [Parasites & Vectors](#), 12: 277.
- 94 Villalobos, G., Nava-Bolanos, A., De Fuentes-Vicente, J. A. et al. (2019). A Reduction in Ecological Niche for Trypanosoma Cruzi-Infected Triatomine Bugs. [Parasites & Vectors](#), 12: 240.
- 95 Martinez-Olivas, M. A., Jimenez-Bueno, N. G., Hernandez-Garcia, J. A., Fusaro, C., Luna-Guido, M., Navarro-Noya, Y. E. & Dendooven, L. (2019). Bacterial and Archaeal Spatial Distribution and Its Environmental Drivers in an Extremely Haloalkaline Soil at the Landscape Scale. [PeerJ](#), 7: e6127.
- 96 Spear, M. L., Galanter, J., Hernandez, R. D. et al. (2019). A genome-wide association and admixture mapping study of bronchodilator drug response in African Americans with asthma. [Pharmacogenomics Journal](#), 19(3): 249-259.
- 97 Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Production of the Rho(770)(0) Meson in Pp and Pb-Pb Collisions at Root S-Nn=2.76 Tev. [Physical Review C](#), 99(6): 064901.
- 98 Rendon, J., Roig, P. & Toledo, G. (2019). Effective-Field Theory Analysis of the Tau(-) -> (K Pi)(-)Nu(Tau) Decays. [Physical Review D](#), 99(9): 093005.
- 99 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Associated Production of a Higgs Boson and a Single Top Quark in Proton-Proton Collisions at Root S=13 Tev. [Physical Review D](#), 99(9): 092005.

- 100 Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Multiplicity Dependence of (Anti-)Deuteron Production in Pp Collisions at Root S=7 Tev. [Physics Letters B](#), 794: 50-63.
- 101 Rivera-Agudelo, D. C., Tostado, S. L. & Perez-Lorenzana, A. (2019). Deviations to Tri-Bi-Maximal Mixing in the Limit of Mu - Tau Symmetry. [Physics Letters B](#), 794: 89-95.
- 102 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. [Physics Letters B](#), 795: 76-99.
- 103 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Invisible Decays of a Higgs Boson Produced Through Vector Boson Fusion in Proton-Proton Collisions at Root S=13 TeV. [Physics Letters B](#), 793: 520-551.
- 104 Amador-Rodriguez, K. Y., Martinez-Bustos, F. & Silos-Espino, H. (2019). Effect of High-Energy Milling on Bioactive Compounds and Antioxidant Capacity in Nixtamalized Creole Corn Flours. [Plant Foods for Human Nutrition](#), 74(2): 241-246.
- 105 Garcia-Casarrubias, A., Winkler, R. & Tiessen, A. (2019). Mass Fingerprints of Tomatoes Fertilized With Different Nitrogen Sources Reveal Potential Biomarkers of Organic Farming. [Plant Foods for Human Nutrition](#), 74(2): 247-254.
- 106 Heil, M. (2019). Commentary on Grandellis Et Al. 2019: Suggesting Endogenous Dna as Further Player in the Plant Immune Response to Dotap. [Planta](#), 250(1): 391-393.
- 107 Ordóñez, H., Torres-Jiménez, J., Maldonado-Martínez, G., Cobos, C., Ordóñez, A. & Herrera-Viedma, E. (2019). A Business Process Clustering Algorithm Using Incremental Covering Arrays to Explore Search Space and Balanced Bayesian Information Criterion to Evaluate Quality of Solutions. [Plos One](#), 14(6): e0217686.
- 108 Palacios-Abrantes, J., Cisneros-Montemayor, A. M., Cisneros-Mata, M. A. et al. (2019). A Metadata Approach to Evaluate the State of Ocean Knowledge: Strengths, Limitations, and Application to Mexico. [Plos One](#), 14(6): 0216723.
- 109 Aquino-Miranda, G., Rivera-Ramirez, N., Marquez-Gomez, R. et al. (2019). Histamine H3 receptor activation reduces the impairment in prepulse inhibition (PPI) of the acoustic startle response and Akt phosphorylation induced by MK-801 (dizocilpine), antagonist at N-Methyl-d-Aspartate (NMDA) receptors. [Progress in Neuro-Psychopharmacology and Biological Psychiatry](#), 94: 109653.
- 110 Corzo-Gómez, J., García-Cordero, J., Montes-Gómez, A. E., Bernal-Siria, K., Namorado-Tonix, K., Gutiérrez-Castaneda, B. & Cedillo-Barrón, L. (2019). Expression and purification of domain III proteins from Dengue and Zika viruses. [Protein Expression and Purification](#), 162: 38-43.
- 111 Guadarrama-Bazante, I. L. & Rodríguez-Manzo, G. (2019). Nucleus accumbens dopamine increases sexual motivation in sexually satiated male rats. [Psychopharmacology](#), 236(4): 1303-1312.

- 112 San Pedro-Cedillo, L., Mendez-Novelo, R. I., Hernandez-Nunez, E., Giacoman-Vallejos, G. & Bassam, A. (2019). Removal of Bpa From Landfill Leachates Using Fenton-Adsorption Process. *Quimica Nova*, 42(4): 418-424.
- 113 Gonzalez-Chavez, Z., Vazquez, C., Mejia-Tlachi, M. et al. (2019). Gamma-glutamylcysteine synthetase and tryparedoxin 1 exert high control on the antioxidant system in *Trypanosoma cruzi* contributing to drug resistance and infectivity. *Redox Biology*, 26: 101231.
- 114 Cuautle Jjaf, Hernandez, G. L., Orea, A. C., Gomez, E. S., Aguilar, C. H., Moran, C. O. G., Hernandez, J. G. M. & Gonzalez, O. O. S. (2019). Study of Thermal Properties on the Different Layers Composing a Commercial Ceramic Tile. *Revista Mexicana De Fisica*, 65(2): 124-127.
- 115 Ortega, J. J., Escobedo-Galvan, C. R., Avelar-Munoz, F., Ortiz-Hernandez, A. A., Tototzintle-Huitle, H., Falcony, C. & Araiza, J. J. (2019). Physical Properties of Reactive Rf Sputtered a-Izon Thin Films. *Revista Mexicana De Fisica*, 65(2): 133-138.
- 116 Espinel-Rios, S., Palmerin-Carreno, D. M., Hernandez-Orihuela, A. L. & Martinez-Antonio, A. (2019). A Plackett-Burman Design for Substituting Mrs Medium Components With Avocado Seed Hydrolysate for Growth and Lactic Acid Production by *Lactobacillus Sp.* *Revista Mexicana De Ingenieria Quimica*, 18(1): 131-141.
- 117 Torres-Ochoa, J. A., Osornio-Rubio, N. R., Jimenez-Islas, H., Navarrete-Bolanos, J. L. & Martinez-Gonzalez, G. M. (2019). Synthesis of a Geopolymer and Use of Response Surface Methodology to Optimize the Bond Strength to Red Brick for Improving the Internal Coating in Burner Kilns. *Revista Mexicana De Ingenieria Quimica*, 18(1): 361-373.
- 118 Aruna-Devi, R., Latha, M., Velumani, S., Santos-Cruz, J., Murali, B., Chavez-Carvayar, J. A., Pulgarin-Agudelo, F. A. & Vigil-Galan, O. (2019). Cu<sub>2</sub>ZnSn(S, Se)4 thin films prepared from selenized nanocrystals ink. *Rsc Advances*, 9: 18420-18428.
- 119 Jimenez-Cordova, M. I., Sanchez-Pena, L. C., Barrera-Hernandez, A., Gonzalez-Horta, C., Barbier, O. C. & Del Razo, L. M. (2019). Fluoride exposure is associated with altered metabolism of arsenic in an adult Mexican population. *Science of the Total Environment*, 684: 621-628.
- 120 Hamaoui, G., Horny, N., Chirtoc, M. et al. (2019). Thermophysical characterisation of VO<sub>2</sub> thin films hysteresis and its application in thermal rectification. *Scientific Reports*, 9(1): 8728.
- 121 Mimila-Arroyo, J. (2019). On the Importance of the Junction Temperature on Obtaining the Charge Transport Parameters of a Solar Cell. *Semiconductor Science and Technology*, 34(6): 065019.
- 122 Pavanello, M. A., Cerdeira, A., Trevisoli-Doria, R., Ribeiro, T. A., Alvila-Herrera, F. & Estrada, M. (2019). Compact Modeling of Triple Gate Junctionless Mosfets for Accurate Circuit Design in a Wide Temperature Range. *Solid-State Electronics*, 159: 116-122.

- 123 Hernandez-Flores, M. E., Torres-Valencia, J. M., Carino-Cortes, R., Ortiz, M. I., Lopez-Ruiz, H., Rojas-Lima, S., Cerdá-García Rojas, C. M. & Joseph-Nathan, P. (2019). In search of safe pain relief: The analgesic and anti-inflammatory activity of phytosteryl ibuprofenates. *Steroids*, 149: 108420.
- 124 Cosme, I., Vazquez y Parraguirre, S., Malik, O., Mansurova, S., Carlos, N., Tavira-Fuentes, A., Ramirez, G. & Kudriavtsev, Y. (2019). Differences between (103) and (002) X-ray diffraction characteristics of nanostructured AZO films deposited by RF magnetron sputtering. *Surface & Coatings Technology*, 372: 442-450.
- 125 Ramos, A. V., Gonzalez, E. N. A., Echeverri, G. T., Moreno, L. S., Jimenez, L. D. & Hernandez, S. C. (2019). Potential Uses of Treated Municipal Wastewater in a Semiarid Region of Mexico. *Sustainability*, 11(8): 2217.
- 126 Gnanaprakasam, J. N. R., Estrada-Muniz, E. & Vega, L. (2019). The antineoplastic agent anacardic 6-pentadecyl salicylic acid produces immunomodulation in vivo via the activation of MAPKs. *Toxicology and Applied Pharmacology*, 376: 82-92.
- 127 Bravo-Gomez, M. E., Castillo-Alanis, L. A., Quijano-Mateos, A., Camacho-Garcia, L. N. & Mendoza-Melendez, M. A. (2019). Revisiting a physiologically based pharmacokinetic model for cocaine with a forensic scope. *Toxicology Research*, 8(3): 432-446.
- 128 Gomez-Flores, W., Rodriguez-Cristerna, A. & Coelho de Albuquerque-Pereira, W. (2019). Texture Analysis Based on Auto-Mutual Information for Classifying Breast Lesions with Ultrasound. *Ultrasound in Medicine & Biology*, 45(8): 2213-2225.
- 129 Velazquez-Cervantes, M. A., Martinez-Castillo, M., Gonzalez-Garcia, L. D. et al. (2019). The Bewo Cell Line Derived From a Human Placental Choriocarcinoma Is Permissive for Respiratory Syncytial Virus Infection. *Virus Genes*, 55(3): 406-410.
- 130 Lopez-Rivero, L. P., Jaimes, M., Camargo, F. & Lopez-Bayghen, E. (2019). Successful treatment with hysteroscopy for infertility due to isthmocele and hydrometra secondary to cesarean section: A case report. *World Journal of Clinical Cases*, 7(6): 753-758.
- [ARTÍCULOS B] – ARTÍCULOS PUBLICADOS EN EXLENDO EN OTRAS REVISTAS ESPECIALIZADAS  
(INCLUÍDO EL ÍNDICE DE REVISTAS MEXICANAS DE INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA)**
- 131 Fernandez-Ramirez, K. I. & Baltazar, A. (2019). Beamforming of ultrasonic guided waves for defect search using chaos optimization. *AIP Conference Proceedings*, 2102, 050021.
- 132 Dussel, I. (2019). Photos Found in the Archive. An Approximation to the Work With Images Based on an Amateur Album About Children's Games (Argentina, End of the 19th Century). *Historia Y Memoria De La Educacion*, (10): 51-89.
- 133 Dussel, I. (2019). Photos Found in the Archive. An Approximation to the Work With Images Based on an Amateur Album on Children's Games (Argentina, Late 19th Century). *Historia Y Memoria De La Educacion*, (10): 91-129.

- 134 Peredo-Ortiz, R. & Hernandez-Contreras, M. (2019). Structure factor of colloid magnetic fluid. [Journal of Physics Conference Series](#), 1221: 012024.
- 135 Raya, M. L. R. & Berdugo, J. E. F. (2019). Decision Making in the Campeche Maya Octopus Fishery in Two Fishing Communities. [Maritime Studies](#), 18(1): 91-101.
- 136 Araujo, T. E. S., Macias-Mier, M., Cruz-Orea, A., Rangel, E. C. & Cruz, N. C. (2019). Highly thermally conductive dielectric coatings produced by plasma electrolytic oxidation of aluminum. [Materials Letters X](#), 3: 100016.
- 137 Sanchez-Salguero, E., Mondragon-Ramirez, G. K., Romero-Ramirez, H., Santos-Argumedo, L., Alcantara-Montiel, J. C., Cebulo-Vazquez, A., Villegas-Dominguez, X., Contreras-Vargas, V. M. & Thompson-Bonilla, M. R. (2019). Infectious episodes during pregnancy, at particular mucosal sites, increase specific IgA1 or IgA2 subtype levels in human colostrum. [Maternal Health, Neonatology and Perinatology](#), 5: 9.
- 138 Armenta-Medina, A. & Gillmor, C. S. (2019). An Introduction to Methods for Discovery and Functional Analysis of MicroRNAs in Plants. [Methods in Molecular Biology](#), 1932, 1-14.
- 139 Vera-Hernandez, P. F., Rosas-Cardenas, F. F. & De Folter, S. (2019). Isolation and Detection Methods of Plant miRNAs. [Methods in Molecular Biology](#), 1932, 109-120.
- 140 Hernandez-Morales, J. A., Castaneda-Alonso, A. & Gonzalez-Polo, R. I. (2019). The solution of an unconventional mathematical problem by university students. [Revista Cientifica](#), 35(2): 1-26.

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

- 141 Catalan-Najera, J. C., Barrios- Camacho, H., Duran-Bedolla, J. et al. (2019). Molecular characterization and pathogenicity determination of hypervirulent Klebsiella pneumoniae clinical isolates serotype K2 in Mexico. [Diagnostic Microbiology and Infectious Disease](#), 94(3): 316-319.
- 142 Diambra, L. & Santillan, M. (2019). Emergent Effects of Noise in Biology: From Gene Expression to Cell Motility. [Frontiers in Physics](#), 7: 83.
- 143 Vargas, U., Ramirez, A. & Karami, E. (2019). Reformulating Phase-Shifting Property in Dynamic Harmonic Domain: Time-Periodic Case. [Ieee Transactions on Smart Grid](#), 10(3): 3498-3500.
- 144 Rodriguez-Kessler, P. L. (2019). Structure of V-Doped Pd-N (N = 2-12) Clusters and Their Ability for H-2 Dissociation (Vol 43, Pg 20636, 2018). [International Journal of Hydrogen Energy](#), 44(26): 14105.

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

145 Freile-Peleglin, Y. & Tasdemir, D. (2019). Seaweeds to the Rescue of Forgotten Diseases: a Review. [Botanica Marina](#), 62(3): 211-226.

146 Vazquez-Delfin, E., Freile-Pelegrin, Y., Pliego-Cortes, H. & Robledo, D. (2019). Seaweed Resources of Mexico: Current Knowledge and Future Perspectives. [Botanica Marina](#), 62(3): 275-289.

147 Abada, A., Abbrescia, M., Abdussalam, S. S. et al. (2019). Fcc Physics Opportunities: Future Circular Collider Conceptual Design Report Volume 1. [European Physical Journal C](#), 79(6): 474.