

## ARTÍCULOS DEL MES DE ENERO DE 2019

### [ARTÍCULOS A] - ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS INCLUIDAS EN JCR

1 Castillo-Esparza, J. F., Hernandez-Gonzalez, I. & Ibarra, J. E. (2019). Search for Cry Proteins Expressed by Bacillus Spp. Genomes, Using Hidden Markov Model Profiles. [3 Biotech](#), 9(1), 13.

2 Maya-Lucas, O., Murugesan, S., Nirmalkar, K., Alcaraz, L. D., Hoyo-Vadillo, C., Pizano-Zarate, M. L. & Garcia-Mena, J. (2019). The gut microbiome of Mexican children affected by obesity. [Anaerobe](#), 55, 11-23.

3 Atriztan-Hernandez, K., Moreno-Pedraza, A., Winkler, R., Markow, T. & Herrera-Estrella, A. (2019). Trichoderma Atroviride From Predator to Prey: Role of the Mitogen-Activated Protein Kinase Tmk3 in Fungal Chemical Defense Against Fungivory by Drosophila Melanogaster Larvae. [Applied and Environmental Microbiology](#), 85(2), e01825.

4 Molina-Paredes, A. A., Jimenez-Perez, V. M., Lara-Ceron, J. A., Moggio, I., Arias, E., Santillan, R., Sanchez, M., Suacedo-Yanez, A. & Munoz-Flores, B. M. (2019). Fluorescent Boron Schiff Bases Dyes for Staining Silk Fibroin: Green Synthesis, Structural Characterization, Dft, and Photophysical Properties. [Applied Organometallic Chemistry](#), 33(1), E4609.

5 Cervantes-Lopez, J. L., Rangel, R., Cedenio, V. J., Alvarado-Gil, J. J., Quintana, P., Contreras, O. & Espino, J. (2019). Controlling the Aspect Ratio of Zn(1-X)Eu(X)O Nanostructures Obtained by a Statistical Experimental Design Involving Atomic Layer Deposition and Microwave-Assisted Hydrothermal Methods. [Applied Physics a-Materials Science & Processing](#), 125(1), 41.

6 Reyes-Acosta, A. V., Lopez-Juarez, I., Osorio-Comparan, R. & Lefranc, G. (2019). 3d Pipe Reconstruction Employing Video Information From Mobile Robots. [Applied Soft Computing](#), 75, 562-574.

7 Rodriguez-Molina, A., Villarreal-Cervantes, M. G., Alvarez-Gallegos, J. & Aldape-Perez, M. (2019). Bio-Inspired Adaptive Control Strategy for the Highly Efficient Speed Regulation of the Dc Motor Under Parametric Uncertainty. [Applied Soft Computing](#), 75, 29-45.

8 Meza-Arroyo, J., Syamala-Rao, M. G., Mejia, I., Quevedo-Lopez, M. A. & Ramirez-Bon, R. (2019). Low temperature processing of Al<sub>2</sub>O<sub>3</sub>-GPTMS-PMMA hybrid films with applications to high-performance ZnO thin-film transistors. [Applied Surface Science](#), 467-468, 456-461.

9 Concepcion, O., Tavira, A., Roque, J., De Melo, O. & Escobosa, A. (2019). Texture Analysis and Epitaxial Relationships in Bi<sub>2</sub>Te<sub>3</sub> Thin Film Grown by Physical Vapor Transport on Silicon Substrates. [Applied Surface Science](#), 464, 280-286.

10 Aparicio-Nava, L., Marquez-Garcia, L. A. & Meneses, A. (2019). Effects of 5-Ht5a Receptor Blockade on Amnesia or Forgetting. [Behavioural Brain Research](#), 357, 98-103.

11 Aparicio-Nava, L., Tellez, R., Gonzalez, R., Liy-Salmeron, G. & Meneses, A. (2019). Intrahippocampal administration of 5-HT6 receptor drugs on memory consolidation and amnesia protocols. [Behavioural Brain Research](#), 359, 378-385.

12 Canseco-Alba, A. & Rodriguez-Manzo, G. (2019). Sexual interaction is essential for the transformation of non-copulating rats into sexually active animals by the endocannabinoid anandamide. [Behavioural Brain Research](#), 359, 418-427.

13 Jauregui-Wade, J. M., Valdes, J., Ayala-Sumuano, J. T., Avila-Garcia, R. & Cerbon-Solorzano, J. (2019). De novo synthesis of sphingolipids plays an important role during in-ávitro encystment of Entamoeba invadens. [Biochemical and Biophysical Research Communications](#), 508(4), 1031-1037.

14 Romo-Yanez, J., Dominguez-Castro, M., Flores-Reyes, J. S., Estrada-Juarez, H., Mancilla-Herrera, I., Hernandez-Pineda, J., Bazan-Tejeda, M. L., Aguinaga-Rios, M. & Reyes-Munoz, E. (2019). Hyperglycemia differentially affects proliferation, apoptosis, and BNIP3 and p53 mRNA expression of human umbilical cord Wharton's jelly cells from non-diabetic and diabetic pregnancies. [Biochemical and Biophysical Research Communications](#), 508(4), 1149-1154.

15 Mancera-Lopez, M. E., Izquierdo-Estevez, W. F., Escalante-Sanchez, A., Ibarra, J. E. & Barrera-Cortes, J. (2019). Encapsulation of Trichoderma Harzianum Conidia as a Method of Conidia Preservation at Room Temperature and Propagation in Submerged Culture. [Biocontrol Science and Technology](#), 29(2), 107-130.

16 Martinez-Aguilar, G. M. & Gutierrez, D. (2019). Using Cortico-Muscular and Cortico-Cardiac Coherence to Study the Role of the Brain in the Development of Muscular Fatigue. [Biomedical Signal Processing and Control](#), 48, 153-160.

17 Salazar-Huerta, M. A., Ruiz-Ordaz, N., Galindez-Mayer, J., Garcia-Mena, J. & Juarez-Ramirez, C. (2019). Simulation and Experimental Validation of a Gradient Feeding System for Fast Assessment of the Kinetic Behavior of a Microbial Consortium in a Tubular Biofilm Reactor. [Bioprocess and Biosystems Engineering](#), 42(1), 17-27.

18 Huerta-Chagoya, A., Moreno-Macias, H., Fernandez-Lopez, J. C. et al. (2019). A Panel of 32 Aims Suitable for Population Stratification Correction and Global Ancestry Estimation in Mexican Mestizos. [Bmc Genetics](#), 20, 5.

19 Roa-Coria, J. E., Pineda-Farias, J. B., Barragan-Iglesias, P. et al. (2019). Possible Involvement of Peripheral Trp Channels in the Hydrogen Sulfide-Induced Hyperalgesia in Diabetic Rats. [Bmc Neuroscience](#), 20, 1.

20 Acosta-Cota, S. D., Aguilar-Medina, E. M., Ramos-Payan, R. et al. (2019). Histopathological and Biochemical Changes in the Development of Nonalcoholic Fatty Liver Disease Induced by High-Sucrose Diet at Different Times. [Canadian Journal of Physiology and Pharmacology](#), 97(1), 23-36.

21 Elizondo-Alvarez, M. A., Davila-Pulido, G. I., Bello-Teodoro, S. & Uribe-Salas, A. (2019). Role of Ph on the Adsorption of Xanthate and Dithiophosphinate Onto Galena. [Canadian Metallurgical Quarterly](#), 58(1), 107-115.

22 Roura-Guiberna, A., Hernandez-Aranda, J., Ramirez-Flores, C. J., Mondragon-Flores, R., Garibay-Nieto, N., Queipo-Garcia, G., Laresgoiti-Servitje, E., Soh, J.-W. & Olivares-Reyes, J. A. (2019). Isomers of Conjugated Linoleic Acid Induce Insulin Resistance Through a Mechanism Involving Activation of Protein Kinase C Epsilon in Liver Cells. [Cellular Signalling](#), 53, 281-293.

23 Cervantes-Juarez, E., Meza-Rocha, A. N., Romero-Romo, W., Caldino, U., Falcony, C., Alvarez, E., Palomino-Ovando, M. & Lozada-Morales, R. (2019). Up and Down-Shifting Emission Properties of Novel Er<sup>3+</sup>-Doped Cdo-V2o5-P2o5 Glass System. [Ceramics International](#), 45(2), 1609-1615.

24 Rodriguez-Kessler, P. L., Navarro-Santos, P. & Rodriguez-Dominguez, A. R. (2019). Structural Characterization of Co-Doped Pd-N (N=1-12) Clusters: First-Principles Calculations. [Chemical Physics Letters](#), 715, 141-146.

25 Tec-Sanchez, J. A., Arias, A. I. O., Aguilar-Vega, M., Cauich-Rodriguez, J. V. & Santiago-Garcia, J. L. (2019). Preparation and Characterization of Flexible, Transparent and Thermally Stable Aromatic Co-Polyamides. [Chinese Journal of Polymer Science](#), 37(2), 136-141.

26 Bermudez, D. & Leonhardt, U. (2019). Resonant Hawking Radiation as an Instability. *Classical and Quantum Gravity*, 36(2), 024001. <https://iopscience.iop.org/article/10.1088/1361-6382/aaf435>

27 Del Aguila, J. C. & Matos, T. (2019). Wormhole Cosmic Censorship: an Analytical Proof. [Classical and Quantum Gravity](#), 36(1), 015018.

28 Oza, G., Krishnajyothi, K., Ishrayelu-Merupo, V. et al. (2019). Gold-Iron oxide yolk-shell nanoparticles (YSNPs) as magnetic probe for fluorescence-based detection of 3 base mismatch DNA. [Colloids and Surfaces B-Biointerfaces](#), 176, 431-438.

29 Pano-Azucena, A. D., Ovilla-Martinez, B., Tlelo-Cuautle, E., Munoz-Pacheco, J. M. & De la Fraga, L. G. (2019). FPGA-based implementation of different families of fractional-order chaotic oscillators applying Grunwald-Letnikov method. [Communications in Nonlinear Science and Numerical Simulation](#), 72, 516-527.

30 Aichholzer, O., Fabila-Monroy, R., Hurtado, F., Perez-Lantero, P., Ruiz-Vargas, A. J., Urrutia, J. & Vogtenhuber, B. (2019). Cross-Sections of Line Configurations in R-3 and (D-2)-Flat Configurations in R-D. [Computational Geometry-Theory and Applications](#), 77, 51-61.

31 Rico-Fernandez, M. P., Rios-Cabrera, R., Castelan, M., Guerrero-Reyes, H. I. & Juarez-Maldonado, A. (2019). A contextualized approach for segmentation of foliage in different crop species. [Computers and Electronics in Agriculture](#), 156, 378-386.

32 Djilali, L., Sanchez, E. N. & Belkheiri, M. (2019). Real-time Neural Input-Output Feedback Linearization control of DFIG based wind turbines in presence of grid disturbances. [Control Engineering Practice](#), 83, 151-164.

33 Leon-Martinez, G. & Vielle-Calzada, J.-P. (2019). Apomixis in flowering plants: Developmental and evolutionary considerations. [Current Topics in Developmental Biology](#), 131, 565-604.

34 Armenta-Medina, A. & Gillmor, C. S. (2019). Genetic, molecular and parent-of-origin regulation of early embryogenesis in flowering plants. [Current Topics in Developmental Biology](#), 131, 497-543.

35 Herrera-Ubaldo, H., Lozano-Sotomayor, P., Ezquer, I. et al. (2019). New Roles of No Transmitting Tract and Seedstick During Medial Domain Development in Arabidopsis Fruits. [Development](#), 146(1), dev172395.

36 Hernandez-Perez, A., Zamora-Briseno, J. A., Ruiz-May, E. et al. (2019). Proteomic profiling of the white shrimp *Litopenaeus vannamei* (Boone, 1931) hemocytes infected with white spot syndrome virus reveals the induction of allergy-related proteins. [Developmental and Comparative Immunology](#), 91, 37-49.

37 Alcantar-Pena, J. J., De Obaldia, E., Tirado, P., Arellano-Jimenez, M. J., Ortega Aguilar, J. E., Veyan, J. F., Yacaman, M. J., Koudriavtsev, Y. & Auciello, O. (2019). Polycrystalline diamond films with tailored micro/nanostructure/doping for new large area film-based diamond electronics. [Diamond and Related Materials](#), 91, 261-271.

38 Esquivel, P., Castaneda, C. E., Ornelas-Tellez, F. & Reyes, E. N. (2019). Empirical estimation approach to the study of inter-area resonance interactions in power systems. [Electric Power Systems Research](#), 169, 150-161.

39 Bommarito, P. A., Xu, X. F., Gonzalez-Horta, C. et al. (2019). One-Carbon Metabolism Nutrient Intake and the Association Between Body Mass Index and Urinary Arsenic Metabolites in Adults in the Chihuahua Cohort. [Environment International](#), 123, 292-300.

40 Kerr, B. T., Ochs-Balcom, H. M., Lopez, P., Garcia-Vargas, G. G., Rosado, J. L., Cebrian, M. E. & Kordas, K. (2019). Effects of ALAD genotype on the relationship between lead exposure and anthropometry in a Cohort of Mexican children. [Environmental Research](#), 170, 65-72.

41 Jimenez-Cordova, M. I., Barrera-Hernandez, A., Barbier, O. C., Gonzalez-Horta, C., Villareal-Vega, E. E., Ayllon-Vergara, J. C., Arreola-Mendoza, L., Aguilar-Madrid, G. & Del Razo, L. M. (2019). Evaluation of vascular and kidney injury biomarkers in Mexican children exposed to inorganic fluoride. [Environmental Research](#), 169, 220-228.

42 Rodriguez-Tello, E., Lardeux, F., Duarte, A. & Narvaez-Teran, V. (2019). Alternative Evaluation Functions for the Cyclic Bandwidth Sum Problem. [European Journal of Operational Research](#), 273(3), 904-919.

43 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement of Differential Cross Sections for Inclusive Isolated-Photon and Photon Plus Jet Production in Proton-Proton Collisions at  $\sqrt{s}=13\text{TeV}$ . [European Physical Journal C](#), 79(1), 20.

44 Fernandez, D. J., Hussin, V. & Morales-Salgado, V. S. (2019). Coherent States for the Supersymmetric Partners of the Truncated Oscillator. [European Physical Journal Plus](#), 134(1), 18.

45 Reyes-Becerril, M., Angulo, C., Sanchez, V., Vazquez-Martinez, J. & Lopez, M. G. (2019). Antioxidant, intestinal immune status and anti-inflammatory potential of *Chenopodium ambrosioides* L. in fish: In vitro and in vivo studies. [Fish & Shellfish Immunology](#), 86, 420-428.

46 Amador-Rodriguez, K. Y., Perez-Cabrera, L. E., Guevara-Lara, F., Chavez-Vela, N. A., Posadas-Del Rio, F. A., Silos-Espino, H. & Martinez-Bustos, F. (2019). Physicochemical, Thermal, and Rheological Properties of Nixtamalized Bluecorn Flours and Masas Added With Huitlacoche (*Ustilago Maydis*) Paste. [Food Chemistry](#), 278, 601-608.

47 Lopez-Rosas, I., Lopez-Camarillo, C., Salinas-Vera, Y. M. et al. (2019). Entamoeba Histolytica up-Regulates Microrna-643 to Promote Apoptosis by Targeting Xiap in Human Epithelial Colon Cells. [Frontiers in Cellular and Infection Microbiology](#), 8, 437.

48 Del Portillo, P., Garcia-Morales, L., Menendez, M. C. et al. (2019). Hypoxia Is Not a Main Stress When Mycobacterium Tuberculosis Is in a Dormancy-Like Long-Chain Fatty Acid Environment. [Frontiers in Cellular and Infection Microbiology](#), 8, 449.

49 Piedra-Quintero, Z. L., Serrano, C., Villegas-Sepulveda, N., Maravillas-Montero, J. L., Romero-Ramirez, S., Shibayama, M., Medina-Contreras, O., Nava, P. & Santos-Argumedo, L. (2019). Myosin 1f Regulates M1-Polarization by Stimulating Intercellular Adhesion in Macrophages. [Frontiers in Immunology](#), 9, 3118.

50 Velazquez-Sanchez, H. I., Dominguez-Bocanegra, A. R. & Aguilar-Lopez, R. (2019). Modelling of the Ph Dynamic and Its Effect Over the Isopropanol-Butanol-Ethanol Fermentation by Clostridium Acetobutylicum Pipa3-Cm2. [Fuel](#), 235, 558-566.

51 Gonzalez-Gutierrez, A. G., Pech-Canul, M. A., Chan-Rosado, G. & Sebastian, P. J. (2019). Studies on the Physical and Electrochemical Properties of Ni-P Coating on Commercial Aluminum as Bipolar Plate in Pemfc. [Fuel](#), 235, 1361-1367.

52 Gonzalez-Compean, J. L., Telles, O., Lopez-Arevalo, I., Morales-Sandoval, M., Sosa-Sosa, V. J. & Carretero, J. (2019). A policy-based containerized filter for secure information sharing in organizational environments. [Future Generation Computer Systems-The International Journal of EScience](#), 95, 430-444.

53 Saldana-Martinez, A., Perez-Ramirez, G., Munoz, M. L. et al. (2019). Whole sequence of the mitochondrial DNA genome of Kearns Sayre Syndrome patients: Identification of deletions and variants. [Gene](#), 688, 171-181.

54 Gomora-Arrati, P., Gonzalez-Flores, O., Galicia-Aguas, Y. L., Hoffman, K. L. & Komisaruk, B. (2019). Copulation-induced antinociception in female rats is blocked by atosiban, an oxytocin receptor antagonist. [Hormones and Behavior](#), 107, 76-79.

55 Gonzalez-Ibarra, A. A., Nava-Alonso, F. & Uribe-Salas, A. (2019). Electrochemical study of silver telluride (Ag<sub>2</sub>Te): anodic and cathodic potential dependent-reactions in alkaline cyanide solutions. [Hydrometallurgy](#), 183, 230-239.

56 Elsayed, S., Sarker, R. & Coello, C. A. C. (2019). Fuzzy Rule-Based Design of Evolutionary Algorithm for Optimization. [IEEE Transactions on Cybernetics](#), 49(1), 301-314.

- 57 Botello-Perez, M., Crowley, T. P., Garcia-Ruiz, I. & Jardon-Aguilar, H. (2019). Characterization of a Type-N Coaxial Microcalorimeter for Use as Microwave Power Standard at Cenam. [IEEE Transactions on Instrumentation and Measurement](#), 68(2), 558-565.
- 58 Piotrowski, T., Nikadon, J. & Gutierrez, D. (2019). Mv-Pure Spatial Filters With Application to Eeg/Meg Source Reconstruction. [IEEE Transactions on Signal Processing](#), 67(3), 553-567.
- 59 Torres-Jimenez, J. & Perez-Torres, J. C. (2019). A greedy algorithm to construct covering arrays using a graph representation. [Information Sciences](#), 477, 234-245.
- 60 Yu, W. & Pacheco, M. (2019). Impact of random weights on nonlinear system identification using convolutional neural networks. [Information Sciences](#), 477, 1-14.
- 61 Zaman, F., Elsayed, S. M., Sarker, R., Essam, D. & Coello-Coello, C. A. (2019). Multi-Method based algorithm for multi-objective problems under uncertainty. [Information Sciences](#), 481, 81-109.
- 62 Ramirez-Neria, M., Sira-Ramirez, H., Garrido-Moctezuma, R. & Luviano-Juarez, A. (2019). Active Disturbance Rejection Control of the Inertia Wheel Pendulum Through a Tangent Linearization Approach. [International Journal of Control Automation and Systems](#), 17(1), 18-28.
- 63 Vargas, U., Lazaroiu, G. C., Tironi, E. & Ramirez, A. (2019). Harmonic Modeling and Simulation of a Stand-Alone Photovoltaic-Battery-Supercapacitor Hybrid System. [International Journal of Electrical Power & Energy Systems](#), 105, 70-78.
- 64 Garcia-Hernandez, N., Garza-Martinez, K., Parra-Vega, V., Alvarez-Sanchez, A. & Conchas-Arteaga, L. (2019). Development of an EMG-based exergaming system for isometric muscle training and its effectiveness to enhance motivation, performance and muscle strength. [International Journal of Human-Computer Studies](#), 124, 44-55.
- 65 Padmasree, K. P., Lai, K.-Y., Fuentes, A. F. & Manthiram, A. (2019). Electrochemical properties of  $\text{Sr}_{2.7-x}\text{Ca}_x\text{Ln}_{0.3}\text{Fe}_2\text{Co}_y\text{O}_{7+\delta}$  cathode for intermediate-temperature solid oxide fuel cells. [International Journal of Hydrogen Energy](#), 44(3), 1896-1904.
- 66 Martinez-Casillas, D., Solorza, O., Molla, S., Montero, A., Garcia-Bernabe, A. & Compan, V. (2019). Polymer modified sulfonated PEEK ionomers membranes and the use of Ru3Pd6Pt as cathode catalyst for H2/O2 fuel cells: State of the Art Materials for Hydrogen Energy. [International Journal of Hydrogen Energy](#), 44(1), 295-303.
- 67 Campos, E., Monroy, J., Abundis, H., Chemori, A., Creuze, V. & Torres, J. (2019). A nonlinear controller based on saturation functions with variable parameters to stabilize an AUV. [International Journal of Naval Architecture and Ocean Engineering](#), 11(1), 211-224.
- 68 Dzib, E., Cabellos, J. L., Ortiz-Chi, F., Pan, S., Galano, A. & Merino, G. (2019). Eyringpy: a Program for Computing Rate Constants in the Gas Phase and in Solution. [International Journal of Quantum Chemistry](#), 119(2), e25686.
- 69 Hadad, C., Florez, E., Acelas, N., Merino, G. & Restrepo, A. (2019). Microsolvation of Small Cations and Anions. [International Journal of Quantum Chemistry](#), 119(2), e25766.

70 Solis, C. U., Clempner, J. B. & Poznyak, A. S. (2019). Extremum Seeking by a Dynamic Plant Using Mixed Integral Sliding Mode Controller With Synchronous Detection Gradient Estimation. [International Journal of Robust and Nonlinear Control](#), 29(3), 702-714.

71 Sira-Ramirez, H., Aguilar-Orduna, M. A. & Zurita-Bustamante, E. W. (2019). On the Sliding Mode Control of MIMO Nonlinear Systems: an Input-Output Approach. [International Journal of Robust and Nonlinear Control](#), 29(3), 715-735.

72 Meza-Aguilar, M., Loukianov, A. G. & Rivera, J. (2019). Sliding Mode Adaptive Control for a Class of Nonlinear Time-Varying Systems. [International Journal of Robust and Nonlinear Control](#), 29(3), 766-778.

73 Gonzalez, J., Bedoya, A., Mendioroz, A. & Salazar, A. (2019). Measuring the thermal resistance of vertical interfaces separating two different media using infrared thermography. [International Journal of Thermal Sciences](#), 135, 410-416.

74 Rojas-Lima, J. E., Dominguez-Pacheco, F. A., Hernandez-Aguilar, C., Hernandez-Simon, L. M. & Cruz-Orea, A. (2019). Kolmogorov-Smirnov Test for Statistical Characterization of Photopyroelectric Signals Obtained From Maize Seeds. [International Journal of Thermophysics](#), 40(1), 4.

75 Rodriguez-Roldan, G., Cruz-Orea, A. & Suaste-Gomez, E. (2019). Thermal Characterization of a Ppy/Pla Composite by Photoacoustic Calorimetry and Photopyroelectric Techniques. [International Journal of Thermophysics](#), 40(2), 16.

76 Martinez-Saucedo, G., Castanedo-Perez, R., Torres-Delgado, G., Marquez-Marin, J. & Zelaya-Angel, O. (2019). Cuprous Oxide/Cadmium Stannate Heterojunction Diodes Obtained by Dip-Coating Method. [Journal of Alloys and Compounds](#), 774, 153-159.

77 Perez-Gonzalez, M., Tomas, S. A., Santoyo-Salazar, J., Gallardo-Hernandez, S., Tellez-Cruz, M. M. & Solorza-Feria, O. (2019). Sol-gel synthesis of Ag-loaded TiO<sub>2</sub>-ZnO thin films with enhanced photocatalytic activity. [Journal of Alloys and Compounds](#), 779, 908-917.

78 Soriano-Romero, O., Lozada-Morales, R., Caldino, U., Mendez-Blas, A., Falcony, C., Alvarez, E., Palomino-Ovando, M. & Meza-Rocha, A. N. (2019). Spectroscopic Evaluation a New and Novel Nd<sup>3+</sup>/Yb<sup>3+</sup> Co-Doped Cdo-V<sub>2</sub>O<sub>5</sub> Glass System for 1  $\mu$ m Laser Application. [Journal of Alloys and Compounds](#), 777, 886-893.

79 Sanchez, J., Cortes-Hernandez, D. A. & Rodriguez-Reyes, M. (2019). Synthesis of TEG-coated cobalt-gallium ferrites: Characterization and evaluation of their magnetic properties for biomedical devices. [Journal of Alloys and Compounds](#), 781, 1040-1047.

80 Menchaca-Rivera, J. A., Gonzalez-Reyna, M. A., Aviles-Arellano, L. M., Fernandez-Loyola, R., Morales-Sanchez, E. & Robles, J. F. P. (2019). Determination of Optical Properties of a Corn Starch Biofilm. [Journal of Applied Polymer Science](#), 136(9), 47111.

- 81 Munguia-Rosas, M. A., Angulo, D. F., Arceo-Gomez, G. & Parra-Tabla, V. (2019). Variation in leaf traits across a precipitation gradient in coastal sand dunes in Yucatan Peninsula. [Journal of Arid Environments](#), 162, 10-17.
- 82 Cervantes-Montelongo, J. A. & Ruiz-Herrera, J. (2019). Identification of a Novel Member of the Ph Responsive Pathway Pal/Rim in Ustilago Maydis. [Journal of Basic Microbiology](#), 59(1), 14-23.
- 83 Baltazar-Gaytan, E., Aguilar-Alonso, P., Brambila, E. et al. (2019). Increased cell number with reduced nitric oxide level and augmented superoxide dismutase activity in the anterior-pituitary region of young suicide completers. [Journal of Chemical Neuroanatomy](#), 96, 7-15.
- 84 Juarez, I., Morales-Medina, J. C., Flores-Tochihuitl, J., Juarez, G. S., Flores, G. & Chavez-Oseki, H. (2019). Tooth pulp injury induces sex-dependent neuronal reshaping in the ventral posterolateral nucleus of the rat thalamus. [Journal of Chemical Neuroanatomy](#), 96, 16-21.
- 85 Carmona-Espindola, J., Gazquez, J. L., Vela, A. & Trickey, S. B. (2019). Generalized Gradient Approximation Exchange Energy Functional With Near-Best Semilocal Performance. [Journal of Chemical Theory and Computation](#), 15(1), 303-310.
- 86 Munoz-Vazquez, A. J., Parra-Vega, V., Sanchez-Orta, A. & Romero-Galvan, G. (2019). Fractional PD-I lambda D mu error manifolds for robust tracking control of robotic manipulators. [Journal of Dynamic Systems, Measurement and Control](#), 141(3), 031006.
- 87 Ramos-Tovar, E., Casas-Grajales, S., Hernandez-Aquino, E. et al. (2019). Cirrhosis Induced by Thioacetamide Is Prevented by Stevia. Molecular Mechanisms. [Journal of Functional Foods](#), 52, 552-564.
- 88 Rivera-Marquez, J. A., Contreras-Rascon, J. I., Lozada-Morales, R., Portillo-Moreno, O., Alvarez, M. E., Aguilar-Hernandez, J., Melendez-Lira, M. & Zelaya-Angel, O. (2019). Photoluminescence donor-acceptor band splitting in phase transition of CdSe nanoparticles. [Journal of Luminescence](#), 209, 141-145.
- 89 Del Rio-de Santiago, A., Sanchez-Valdes, C. F., Sanchez Llamazares, J. L., Vidal, M. A., Mendez-Garcia, V. H., Lopez-Lopez, M. & Cruz-Hernandez, E. (2019). Magnetic properties of GaAs:Mn self-assembled nanostructures grown at relatively high-temperature by Molecular Beam Epitaxy. [Journal of Magnetism and Magnetic Materials](#), 475, 715-720.
- 90 Can-Ortiz, A., Oliva-Aviles, A. I., Gamboa, F., May-Pat, A., Velasco-Santos, C. & Aviles, F. (2019). Electrophoretic Deposition of Carbon Nanotubes Onto Glass Fibers for Self-Sensing Relaxation-Induced Piezoresistivity of Monofilament Composites. [Journal of Materials Science](#), 54(3), 2205-2221.
- 91 Roman-Doval, R., Tellez-Cruz, M. M., Rojas-Chavez, H., Cruz-Martinez, H., Carrasco-Torres, G. & Vasquez-Garzon, V. R. (2019). Enhancing Electrospun Scaffolds of Pvp With Polypyrrole/Iodine for Tissue Engineering of Skin Regeneration by Coating Via a Plasma Process. [Journal of Materials Science](#), 54(4), 3342-3353.



92 Pawlaschyk, T. & Zeron, E. S. (2019). On Convex Hulls and Pseudoconvex Domains Generated by Q-Plurisubharmonic Functions, Part Iii. [Journal of Mathematical Analysis and Applications](#), 471(1), 73-87.

93 Martinez-Gudino, G., Perez-Rojas, N. A., Trujillo-Serrato, J. J., Mora-Perez, Y., Suarez-Castillo, O. R. & Morales-Rios, M. S. (2019). Mechanistic Study of Reversible Solid-State Melt Isomerization of 2-Oxindoles to 2-Quinolinones and Its Occurrence in a Mass Spectrometer. [Journal of Molecular Structure](#), 1175, 828-835.

94 Ordonez-Hernandez, J., Arcos-Ramos, R., Garcia-Ortega, H. et al. (2019). Synthesis and structural analysis of bioactive Schiff-base pentacoordinated diorganotin(IV) complexes. [Journal of Molecular Structure](#), 1180, 462-471.

95 Castaneda-Cabral, J. L., Beas-Zarate, C., Rocha-Arrieta, L. L., Orozco-Suarez, S. A., Alonso-Vanegas, M., Guevara-Guzman, R. & Urena-Guerrero, M. E. (2019). Increased protein expression of VEGF-A, VEGF-B, VEGF-C and their receptors in the temporal neocortex of pharmacoresistant temporal lobe epilepsy patients. [Journal of Neuroimmunology](#), 328, 68-72.

96 Lakshminarayana, G., Bashar, K. A., Baki, S. O. et al. (2019). Er<sup>3+</sup> /Dy<sup>3+</sup> Codoped B<sub>2</sub>O<sub>3</sub>-TeO<sub>2</sub>-PbO-ZnO-Li<sub>2</sub>O-Na<sub>2</sub>O Glasses: Optical Absorption and Fluorescence Features Study for Visible and Near-Infrared Fiber Laser Applications. [Journal of Non-Crystalline Solids](#), 503, 366-381.

97 Oliva, J., Mtz-Enriquez, A. I., Oliva, A., Ochoa-Valiente, R., Garcia, C. R. & Pei, Q. (2019). Flexible Graphene Composites With High Thermal Conductivity as Efficient Heat Sinks in High-Power Leds. [Journal of Physics D-Applied Physics](#), 52(2), 025103.

98 Carrillo-Rodriguez, J. C., Garcia-Mayagoitia, S., Perez-Hernandez, R., Ochoa-Lara, M. T., Espinosa-Magana, F., Fernandez-Luqueno, F., Bartolo-Perez, P., Alonso-Lemus, I. L. & Rodriguez-Varela, F. J. (2019). Evaluation of the novel PdCeO<sub>2</sub>-NR electrocatalyst supported on N-doped graphene for the Oxygen Reduction Reaction and its use in a Microbial Fuel Cell. [Journal of Power Sources](#), 414, 103-114.

99 Garcia-Cruz, C., Merino-Jimenez, C., Ceja, V., Aragon, J., Siqueiros-Marquez, L., Reyes-Grajeda, J. P. & Montanez, C. (2019). The Dystrophin Isoform Dp71e(Delta 71) Is Involved in Neurite Outgrowth and Neuronal Differentiation of Pc12 Cells. [Journal of Proteomics](#), 191, 80-87.

100 Arceo-May, E. & Moukarzel, C. F. (2019). Synchronization and Extinction in a High-Infectivity Spatial SIRS With Long-Range Links. [Journal of Statistical Mechanics-Theory and Experiment](#), 2019, 013203.

101 Munoz-Vazquez, A. J., Sanchez-Orta, A. & Parra-Vega, V. (2019). A General Result on Non-Existence of Finite-Time Stable Equilibria in Fractional-Order Systems. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 356(1), 268-275.

102 Soto, K. M., Quezada-Cervantes, C. T., Hernandez-Iturriaga, M., Luna-Barcenas, G., Vazquez-Duhalt, R. & Mendoza, S. (2019). Fruit peels waste for the green synthesis of silver nanoparticles with antimicrobial activity against foodborne pathogens. [Lwt-Food Science and Technology](#), 103, 293-300.

- 103 Rubio-Cisneros, N. T., Moreno-Baez, M., Glover, J. et al. (2019). Poor fisheries data, many fishers, and increasing tourism development: Interdisciplinary views on past and current small-scale fisheries exploitation on Holbox Island. [Marine Policy](#), 100, 8-20.
- 104 Padmasree, K. P. & Fuentes, A. F. (2019). Dielectric relaxation studies of Ce<sub>0.9-x</sub>Y<sub>x</sub>Ca<sub>0.102</sub>-delta solid electrolytes. [Materials Chemistry and Physics](#), 223, 466-472.
- 105 Galdamez, A., Serrano, A., Santana, G., Arjona, N., Arriaga, L. G., Ramirez, J. T., Oza, G. & Dutt, A. (2019). Dna Probe Functionalization on Different Morphologies of ZnO/Au Nanowire for Bio-Sensing Applications. [Materials Letters](#), 235, 250-253.
- 106 Barquera-Bibiano, Z., Maldonado, J. L., Manzano-Ramirez, A. et al. (2019). Increasing the Efficiency of Organic Solar Cells by Using a Bulk Electron Transport Layer of Pfn and Green Synthesized Agns. [Materials Letters](#), 237, 101-104.
- 107 Moreno-Luna, F. B., Tovar-Corona, A., Herrera-Perez, J. L., Santoyo-Salazar, J., Rubio-Rosa, E. & Vazquez-Cuchillo, O. (2019). Quick Synthesis of Gold Nanoparticles at Low Temperature, by Using Agave Potatorum Extracts. [Materials Letters](#), 235, 254-257.
- 108 Flores-Rojas, E., Guerrero-Gutierrez, O. X. & Solorza-Feria, O. (2019). Versatile synthesis of CuPt nanocatalysts for oxygen reduction reaction. [Materials Letters](#), 239, 98-101.
- 109 Aruna-Devi, R., Latha, M., Velumani, S., Santoyo-Salazar, J. & Santos-Cruz, J. (2019). Telescoping synthesis and goldilocks of CZTS nanocrystals. [Materials Research Bulletin](#), 111, 342-349.
- 110 Gonzalez-Chan, I. J. & Oliva, A. I. (2019). Kinetic of growth of chemically deposited ZnS films near room temperature conditions. [Materials Research Express](#), 6(1), 016415.
- 111 Paredes-Sanchez, C., Sanchez-Alarcon, R. I., Hernandez-Silva, O. et al. (2019). Ultrasonic Spray Pyrolyzed Copper Oxide and Copper-Aluminum Oxide Thin Films: Optical, Structural and Electronic Properties. [Materials Research Express](#), 6(2), 026424.
- 112 Hernandez-Rangel, A., Silva-Bermudez, P., Espana-Sanchez, B. L., Luna-Hernandez, E., Almaguer-Flores, A., Ibarra, C., Garcia-Perez, V. I., Velasquillo, C. & Luna-Barcenas, G. (2019). Fabrication and in Vitro Behavior of Dual-Function Chitosan/Silver Nanocomposites for Potential Wound Dressing Applications. [Materials Science & Engineering C-Materials for Biological Applications](#), 94, 750-765.
- 113 Tamayo, R. C., Polupan, G., Torchynska, T. V., Vega-Macotela, L. G., Stintz, A. & Echavarria, A. E. (2019). Algalins Capping Layer Impact on Emission and Structure of Algaas/Gaas Quantum Wells With Inas Quantum Dots. [Materials Science in Semiconductor Processing](#), 90, 212-218.
- 114 Ortiz-Ramos, D. E., Martinez-Enriquez, A. I. & Gonzalez, L. A. (2019). Cus Films Grown by a Chemical Bath Deposition Process With Amino Acids as Complexing Agents. [Materials Science in Semiconductor Processing](#), 89, 18-25.

115 Compean-Garcia, V. D., Moreno-Garcia, H., Lopez-Luna, E., Perez Ladron de Guevara, H., Escobosa Echavarria, A., Kudriavtsev, Y., Rodriguez-Aranda, F. J., Rodriguez, A. G. & Vidal, M. A. (2019). Effects of Mg incorporation in cubic GaN films grown by PAMBE near Ga rich conditions. [Materials Science in Semiconductor Processing](#), 93, 196-200.

116 Boyer, F., Hernandez-Santamaria, V. & De Teresa, L. (2019). Insensitizing Controls for a Semilinear Parabolic Equation: a Numerical Approach. [Mathematical Control and Related Fields](#), 9(1), 117-158.

117 Bedoya, A., Gonzalez, J., Rodriguez-Aseguinolaza, J., Mendioroz, A., Sommier, A., Batsale, J. C., Pradere, C. & Salazar, A. (2019). Measurement of in-plane thermal diffusivity of solids moving at constant velocity using laser spot infrared thermography. [Measurement](#), 134, 519-526.

118 Pons-Flores, C. A., Mejia, I., Hernandez, I., Garduno, I. & Estrada, M. (2019). High performance, low temperature processed Hf-In-Zn-O/HfO<sub>2</sub> thin film transistors, using PMMA as etch-stop and passivation layer. [Microelectronic Engineering](#), 205, 1-5.

119 Perez-Wences, C., Loo-Yau, J. R., Lavandera-Hernandez, I., Moreno, P., Reynoso-Hernandez, A. J. & Aguilar-Lobo, L. M. (2019). Compact Microstrip Lowpass-Bandpass Diplexer Using Radial Stubs. [Microwave and Optical Technology Letters](#), 61(2), 485-489.

120 Mendoza-Galvan, A., Tejeda-Galan, T., Dominguez-Gomez, A. B., Mauricio-Sanchez, R. A., Jarrendahl, K. & Arwin, H. (2019). Linear Birefringent Films of Cellulose Nanocrystals Produced by Dip-Coating. [Nanomaterials](#), 9(1), 45.

121 Guerrero, J., Torres, J., Creuze, V. & Chemori, A. (2019). Trajectory tracking for autonomous underwater vehicle: An adaptive approach. [Ocean Engineering](#), 172, 511-522.

122 Valencia-Cervantes, J., Huerta-Yepez, S., Aquino-Jarquín, G., Rodríguez-Enriquez, S., Martínez-Fong, D., Arias-Montano, J. A. & Davila-Borja, V. M. (2019). Hypoxia Increases Chemoresistance in Human Medulloblastoma Daoy Cells Via Hypoxia-Inducible Factor 1-Mediated Downregulation of the Cyp2b6, Cyp3a4 and Cyp3a5 Enzymes and Inhibition of Cell Proliferation. [Oncology Reports](#), 41(1), 178-190.

123 Hernandez-Granados, A., Corpus-Mendoza, A. N., Moreno-Romero, P. M., Rodriguez-Castaneda, C. A., Pascoe-Sussoni, J. E., Castelo-Gonzalez, O. A., Menchaca-Campos, E. C., Escorcia-Garcia, J. & Hu, H. (2019). Optically uniform thin films of mesoporous TiO<sub>2</sub> for perovskite solar cell applications. [Optical Materials](#), 88, 695-703.

124 Escorcia-Garcia, J. & Mora-Ramos, M. E. (2019). Optical Reflectivity and Spatial Mode Localization of White-Noise Random Dielectric Oxide Multilayers. [Optics Communications](#), 432, 1-7.

125 Ramirez-Flores, C. J., Cruz-Miron, R., Arroyo, R., Mondragon-Castelan, M. E., Nopal-Guerrero, T., Gonzalez-Pozos, S., Rios-Castro, E. & Mondragon-Flores, R. (2019). Characterization of Metalloproteases and Serine Proteases of Toxoplasma Gondii Tachyzoites and Their Effect on Epithelial Cells. [Parasitology Research](#), 118(1), 289-306.

126 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Low-Mass Resonances Decaying Into Bottom Quark-Antiquark Pairs in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV. [Physical Review D](#), 99(1), 012005.

127 Drori, J., Rosenberg, Y., Bermudez, D., Silberberg, Y. & Leonhardt, U. (2019). Observation of Stimulated Hawking Radiation in an Optical Analogue. [Physical Review Letters](#), 122(1), 010404.

128 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV. [Physical Review Letters](#), 122(2), 021801.

129 Acharya, S., Torales-Acosta, F., Adamova, D. et al. (2019). Dielectron and Heavy-Quark Production in Inelastic and High-Multiplicity Proton-Proton Collisions at  $\sqrt{s}=13$  TeV. [Physics Letters B](#), 788, 505-518.

130 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Higgs Boson Pair Production in the  $\gamma\gamma B(B)\bar{B}$  Final State in Pp Collisions at  $\sqrt{s}=13$  TeV. [Physics Letters B](#), 788, 7-36.

131 Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Transverse Momentum Spectra and Nuclear Modification Factors of Charged Particles in Xe-Xe Collisions at  $\sqrt{s(NN)}=5.44$  TeV. [Physics Letters B](#), 788, 166-179.

132 Salas-Mendez, E. J., Vicente, A., Pinheiro, A. C. et al. (2019). Application of edible nanolaminate coatings with antimicrobial extract of *Flourensia cernua* to extend the shelf-life of tomato (*Solanum lycopersicum* L.) fruit. [Postharvest Biology and Technology](#), 150, 19-27.

133 Gildo-Ortiz, L., Rodriguez-Betancourt, V. M., Blanco-Alonso, O., Guillen-Bonilla, A., Guillen-Bonilla, J. T., Guillen-Cervantes, A., Santoyo-Salazar, J. & Guillen-Bonilla, H. (2019). A simple route for the preparation of nanostructured  $GdCoO_3$  via the solution method, as well as its characterization and its response to certain gases. [Results in Physics](#), 12, 475-483.

134 Cruz-Narvaez, Y., Rico-Arzate, E., Castro-Arellano, J. J., Noriega-Altamirano, G., Pina-Escobedo, A., Murugesan, S. & Garcia-Mena, J. (2019). Obtaining Microorganisms in Cloud Forest Soils for the Degradation of Aromatic Hydrocarbons. [Revista Chapingo Serie Ciencias Forestales Y Del Ambiente](#), 25(1), 95-106.

135 Lopez-Carmona, D. A., Alarcon, A., Martinez-Romero, E., Pena-Cabriaes, J. J. & Larsen, J. (2019). Maize plant growth response to whole rhizosphere microbial communities in different mineral N and P fertilization scenarios. [Rhizosphere](#), 9, 38-46.

136 Valenzuela, E. I., Avendano, K. A., Balagurusamy, N., Arriaga, S., Nieto-Delgado, C., Thalasso, F. & Cervantes, F. J. (2019). Electron Shuttling Mediated by Humic Substances Fuels Anaerobic Methane Oxidation and Carbon Burial in Wetland Sediments. [Science of the Total Environment](#), 650, 2674-2684.

137 Gonzalez-Chavez, M. D. A., Carrillo-Gonzalez, R., Cuellar-Sanchez, A., Delgado-Alvarado, A., Suarez-Espinosa, J., Rios-Leal, E., Solis-Dominguez, F. A. & Maldonado-Mendoza, I. E. (2019). Phytoremediation Assisted by Mycorrhizal Fungi of a Mexican Defunct Lead-Acid Battery Recycling Site. [Science of the Total Environment](#), 650, 3134-3144.

138 Martinez-Landeros, V. H., Hernandez-Como, N., Gutierrez-Heredia, G., Ramirez-Bon, R., Quevedo-Lopez, M. A. & Aguirre-Tostado, F. S. (2019). Low-Temperature Thin Film Transistors Based on Pulsed Laser Deposited Cds Active Layers. [Semiconductor Science and Technology](#), 34(2), 025008.

139 Resendiz, L., Balderrama, V. S., Lastra, G., Ramirez, M., Cabrera, V. & Estrada, M. (2019). Optimization of PFN thickness in inverted high-performance PTB7:PC70BM solar cells. [Solid-State Electronics](#), 153, 33-36.

140 De La Cruz, G. G. (2019). Bulk and Surface Plasmons in Graphene Finite Superlattices. [Superlattices and Microstructures](#), 125, 315-321.

141 Mishra, S., Saha, S., Mondal, S. & Coello-Coello, C. A. (2019). A divide-and-conquer based efficient non-dominated sorting approach. [Swarm and Evolutionary Computation](#), 44, 748-773.

142 Solares, E., Coello-Coello, C. A., Fernandez, E. & Navarro, J. (2019). Handling uncertainty through confidence intervals in portfolio optimization. [Swarm and Evolutionary Computation](#), 44, 774-787.

143 Chavez-Urbiola, I. R., Willars-Rodriguez, F. J., Ramirez-Bon, R., Vorobiev, P. & Vorobiev, Y. V. (2019). Development and Characterization of Photodiode N-Zno/P-Si by Radio Frequency Sputtering, a Sensor With Low Voltage Operation and Its Response to Visible and Uv Light. [Thin Solid Films](#), 669, 364-370.

144 Gutierrez-Martinez, I. Z., Rubio, J. F., Piedra-Quintero, Z. L. et al. (2019). Mtorc1 Prevents Epithelial Damage During Inflammation and Inhibits Colitis-Associated Colorectal Cancer Development. [Translational Oncology](#), 12(1), 24-35.

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

145 Razvarz, S., Jafari, R. & Gegov, A. (2019). Solving partial differential equations with bernstein neural networks. [Advances in Intelligent Systems and Computing](#), 840, 57-70.

146 Ramirez-Moreno, M. A., Orozco-Soto, S. M., Ibarra-Zannatha, J. M. & Gutierrez, D. (2019). Artificial vision algorithm for object manipulation with a robotic arm in a semi-autonomous brain-computer interface. [Biosystems and Biorobotics](#), 22, 187-191.

147 Perez-Sanpablo, A. I., Disselhorst-Klug, C., Ibarra Zannatha, J. M., Gutierrez-Martinez, J., Penalosa, A. M., Romero-Avila, E. & Orozco-Soto, S. M. (2019). Design specifications and usability issues considered in the user centered design of a wearable exoskeleton for upper limb of children with spastic cerebral palsy. [Biosystems and Biorobotics](#), 22, 192-195.

148 Orozco-Soto, S. M., Perez-Sanpablo, A. I., Vera-Bustamante, P. & Ibarra-Zannatha, J. M. (2019). Development of a visual-inertial motion tracking system for muscular-effort/angular joint-position relation to obtain a quantifiable variable of spasticity. [Biosystems and Biorobotics](#), 22, 210-215.

149 Pena-Romo, A., Rios-Rodriguez, A., Escalante-Acosta, B. & Rodriguez-Gonzalez, J. (2019). Presence of Stochastic Resonance in Isolated Mouse Heart. [lfmbe Proceedings](#), 68, 889-895.

150 Lv, X., Rodriguez, I., Hu, C., Shang, J., Sit, P. H. L., Ye, C., Oskam, G. & Teoh, W. Y. (2019). Modulated anodization synthesis of Sn-doped iron oxide with enhanced solar water splitting performance. [Materials Today Chemistry](#), 12, 7-15.

151 Cazares, M. & Schutze, O. (2019). An application of data envelopment analysis to the performance assessment of online social networks usage in mazatlan hotel organizations: 5th Workshop on Numerical and Evolutionary Optimization, NEO 2017. [Studies in Computational Intelligence](#), 785, 295-310.

152 Cruz Hernandez, H. & De la Fraga, L. G. (2019). Fitting multiple ellipses with PEARL and a multi-objective genetic algorithm. [Studies in Computational Intelligence](#), 785, 89-107.

153 Lopez-Arredondo, J., Tlelo-Cuautle, E., De la Fraga, L. G., Carbajal-Gomez, V. H. & Duarte-Villasenor, M. A. (2019). Optimal sizing of low-dropout voltage regulators by NSGA-II and PVT analysis. [Studies in Computational Intelligence](#), 785, 225-247.

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

154 Poznyak, A. (2019). My Friend Vadim I. Utkin (Sketch on Friendship and Some Photos From Private Archives) Preface. [International Journal of Robust and Nonlinear Control](#), 29(3), 522-528.

155 Trujillo, L., Schutze, O., Maldonado, Y. & Valle, P. (2019). Preface. [Studies in Computational Intelligence](#), 785, v-vi.

#### **[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS**

156 Verdugo-Diaz, L., Medina-Salazar, I., Pizarro, M. & Elias-Vinas, D. (2019). Effect of Transcranial Magnetic Stimulation in a model of rat-'s Hemiparkinson. [Brain Stimulation](#), 12(2), 471.

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

157 Lagunas-Rangel, F. A. & Bermudez-Cruz, R. M. (2019). Epigenetics in the Early Divergent Eukaryotic Giardia Duodenalis: an Update. [Biochimie](#), 156, 123-128.

158 Rajarathnam, K., Schnoor, M., Richardson, R. M. & Rajagopal, S. (2019). How do chemokines navigate neutrophils to the target site: Dissecting the structural mechanisms and signaling pathways. [Cellular Signalling](#), 54, 69-80.

159 Navarrete-Modesto, V., Orozco-Suarez, S., Feria-Romero, I. A. & Rocha, L. (2019). The molecular hallmarks of epigenetic effects mediated by antiepileptic drugs. [Epilepsy Research](#), 149, 53-65.

160 Guerrero-Alba, R., Rodriguez, M. G., Marichal-Cancino, B. A., Barragan-Iglesias, P., Gonzalez-Hernandez, A., Condes-Lara, M., Valdez-Morales, E. E. & Granados-Soto, V. (2019). Some Prospective Alternatives for Treating Pain: the Endocannabinoid System and Its Putative Receptors Gpr18 and Gpr55. [Frontiers in Pharmacology](#), 9, 1496.

161 Sanchez-Lopez, C., Quintanar, L., Rossetti, G. & Carloni, P. (2019). Structural Determinants of the Prion Protein N-Terminus and Its Adducts with Copper Ions. [International Journal of Molecular Sciences](#), 20(1), 18.

162 Gazquez, J. L., Franco-Perez, M., Ayers, P. W. & Vela, A. (2019). Temperature-Dependent Approach to Chemical Reactivity Concepts in Density Functional Theory. [International Journal of Quantum Chemistry](#), 119(2), e25797.

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## ARTÍCULOS DEL MES DE FEBRERO DE 2019

### [ARTÍCULOS A] - ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS INCLUIDAS EN JCR

1. Arceo-Castillo, J. I., Montoya-Flores, M. D., Molina-Botero, I. C. et al. (2019). Effect of the volume of methane released into respiration chambers on full system methane recovery. [Animal Feed Science and Technology](#), *249*, 54-61.
2. Macías, J. D., Bante-Guerra, J., Cervantes-Alvarez, F. et al. (2019). Thermal Characterization of Carbon Fiber-Reinforced Carbon Composites. [Applied Composite Materials](#), *26*(1), 321-337.
3. Izquierdo-Marquez, I. & Torres-Jimenez, J. (2019). New covering array numbers. [Applied Mathematics and Computation](#), *353*, 134-146.
4. Khmelnytskaya, K. V., Kravchenko, V. V. & Torba, S. M. (2019). A representation of the transmutation kernels for the Schrödinger operator in terms of eigenfunctions and applications. [Applied Mathematics and Computation](#), *353*, 274-281.
5. Abeysekara, A. U., Alfaro, R., Alvarez, C. et al. (2019). All-Sky Measurement of the Anisotropy of Cosmic Rays at 10 Tev and Mapping of the Local Interstellar Magnetic Field. [Astrophysical Journal](#), *871*(1), 96.
6. Juarez-Chavez, L., Pina-Canseco, S., Soto-Castro, D., Santillan, R., Magana-Vergara, N. E., Salazar-Schettino, P. M., Cabrera-Bravo, M. & Perez-Campos, E. (2019). In vitro activity of steroidal dendrimers on Trypanosoma cruzi epimastigote form with PAMAM dendrons modified by "click" chemistry. [Bioorganic Chemistry](#), *86*, 452-458.
7. Bojorquez-Velazquez, E., Barrera-Pacheco, A., Espitia-Rangel, E., Herrera-Estrella, A. & De La Rosa, A. P. B. (2019). Protein Analysis Reveals Differential Accumulation of Late Embryogenesis Abundant and Storage Proteins in Seeds of Wild and Cultivated Amaranth Species. [Bmc Plant Biology](#), *19*, 59.
8. Duan, S. F., Tao, C. L., Geng, Y. Y. et al. (2019). Phosphorus-doped Isotype g-C<sub>3</sub>N<sub>4</sub>/g-C<sub>3</sub>N<sub>4</sub> : An Efficient Charge Transfer System for Photoelectrochemical Water Oxidation. [ChemCatChem](#), *11*(2), 729-736.
9. Villa-Ruano, N., Pacheco-Hernandez, Y., Zarate-Reyes, J. A., Cruz-Duran, R. & Lozoya-Gloria, E. (2019). Volatile Composition and Biological Activities of the Leaf Essential Oil From Zanthoxylum Limoncello Grown in Oaxaca, Mexico. [Chemistry & Biodiversity](#), *16*(2), e1800498.
10. Qin, D. D., Quan, J. J., Duan, S. F. et al. (2019). High-Performance Photoelectrochemical Water Oxidation with Phosphorus-Doped and Metal Phosphide Cocatalyst-Modified g-C<sub>3</sub>N<sub>4</sub> Formation Through Gas Treatment. [ChemSusChem](#), *12*(4), 898-907.
11. Biswapriya-Misra, B., Ruiz-Hernandez, I. M., Hernandez-Bolio, G. I., Hernandez-Nunez, E., Diaz-Gamboa, R. & Colli-Dula, R. C. (2019). 1H NMR metabolomic analysis of skin and blubber of bottlenose dolphins reveal a functional metabolic dichotomy. [Comparative Biochemistry and Physiology D-Genomics and Proteomics](#), *30*, 25-32.
12. Lam-Gordillo, O. & Ardisson, P. L. (2019). The Global Distribution and Richness of Frog Crabs (Raninoidea). [Crustaceana](#), *92*(1), 1-31.



13. Castro-Ochoa, K. F., Vargas-Robles, H., Chanez-Paredes, S. et al. (2019). Homoectoine Protects Against Colitis by Preventing a Claudin Switch in Epithelial Tight Junctions. [Digestive Diseases and Sciences](#), *64*(2), 409-420.
14. Trasvina-Arenas, C. H., David, S. S., Delaye, L., Azuara-Liceaga, E. & Brieba, L. G. (2019). Evolution of Base Excision Repair in *Entamoeba histolytica* is shaped by gene loss, gene duplication, and lateral gene transfer. [Dna Repair](#), *76*, 76-88.
15. Badillo-Montano, R., Aguirre, A. & Munguia-Rosas, M. A. (2019). Pollinator-Mediated Interactions Between Cultivated Papaya and Co-Flowering Plant Species. [Ecology and Evolution](#), *9*(1), 587-597.
16. Teran-Salgado, E., Bahena-Urbe, D., Marquez-Aguilar, P. A., Reyes-Rodriguez, J. L., Cruz-Silva, R. & Solorza-Feria, O. (2019). Platinum Nanoparticles Supported on Electrochemically Oxidized and Exfoliated Graphite for the Oxygen Reduction Reaction. [Electrochimica Acta](#), *298*, 172-185.
17. Perez-Salcedo, K. Y., Shi, X., Kannan, A. M., Barbosa, R., Quintana, P. & Escobar, B. (2019). N-doped porous carbon from *Sargassum* spp. As efficient metal-free electrocatalysts for O<sub>2</sub> reduction in alkaline fuel cells. [Energies](#), *12*(3), 346.
18. Cervantes-Gonzalez, E., Guevara-Garcia, M. A., Garcia-Mena, J. & Ovando-Medina, V. M. (2019). Microbial Diversity Assessment of Polychlorinated Biphenyl-Contaminated Soils and the Biostimulation and Bioaugmentation Processes. [Environmental Monitoring and Assessment](#), *191*(2), 118.
19. Rodriguez-Jorquera, I. A., Colli-Dula, R. C., Kroll, K., Jayasinghe, B. S., Marco, M. V. P., Silva-Sanchez, C., Toor, G. S. & Denslow, N. D. (2019). Blood Transcriptomics Analysis of Fish Exposed to Perfluoro Alkyls Substances: Assessment of a Non-Lethal Sampling Technique for Advancing Aquatic Toxicology Research. [Environmental Science & Technology](#), *53*(3), 1441-1452.
20. Soriano-Ursua, M. A., Bello, M., Hernandez-Martinez, C. F., Santillan-Torres, I., Guerrero-Ramirez, R., Correa-Basurto, J., Arias-Montano, J. A. & Trujillo-Ferrara, J. G. (2019). Cell-Based Assays and Molecular Dynamics Analysis of a Boron-Containing Agonist With Different Profiles of Binding to Human and Guinea Pig Beta2 Adrenoceptors. [European Biophysics Journal With Biophysics Letters](#), *48*(1), 83-97.
21. Landa-Juarez, A. Y., Perez-Severiano, F., Castaneda-Hernandez, G., Ortiz, M. I. & Chavez-Pina, A. E. (2019). The Antihyperalgesic Effect of Docosahexaenoic Acid in Streptozotocin-Induced Neuropathic Pain in the Rat Involves the Opioidergic System. [European Journal of Pharmacology](#), *845*, 32-39.
22. Martinez-Soto, D., Velez-Haro, J. M., Leon-Ramirez, C. G., Ruiz-Medrano, R., Xoconostle-Cazares, B. & Ruiz-Herrera, J. (2019). The Cereal Phytopathogen *Sporisorium Reilianum* Is Able to Infect the Non-Natural Host *Arabidopsis Thaliana*. [European Journal of Plant Pathology](#), *153*(2), 417-427.
23. Hernandez-Tome, G., Castro, G. L. & Roig, P. (2019). Flavor Violating Leptonic Decays of and Leptons in the Standard Model With Massive Neutrinos. [European Physical Journal C](#), *79*(1), 84.

24. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Rare Decays of Z and Higgs Bosons to J/ and a Photon in Proton-Proton Collisions at root s = 13 Tev. [European Physical Journal C, 79\(2\)](#), 94.
25. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Single Production of Vector-Like Quarks Decaying to a Top Quark and a W Boson in Proton-Proton Collisions at root s = 13 Tev. [European Physical Journal C, 79\(2\)](#), 90.
26. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Study of the Underlying Event in Top Quark Pair Production in Pp Collisions at 13 Tev. [European Physical Journal C, 79\(2\)](#), 123.
27. Diaz-Bautista, E. & Fernandez, D. J. (2019). Multiphoton supercoherent states. [European Physical Journal Plus, 134\(2\)](#), 61.
28. Aviles, F., Oliva, A. I., Ventura, G., May-Pat, A. & Oliva-Aviles, A. I. (2019). Effect of Carbon Nanotube Length on the Piezoresistive Response of Poly (Methyl Methacrylate) Nanocomposites. [European Polymer Journal, 110](#), 394-402.
29. Omana-Molina, M., Vanzzini-Zago, V., Hernandez-Martinez, D. et al. (2019). Acanthamoeba Keratitis in Mexico: Report of a Clinical Case and Importance of Sensitivity Assays for a Better Outcome. [Experimental Parasitology, 196](#), 22-27.
30. Amador-Rodriguez, K. Y., Silos-Espino, H., Valera-Montero, L. L., Perales-Segovia, C., Flores-Benitez, S. & Martinez-Bustos, F. (2019). Physico-Chemical, Thermal, and Rheological Properties of Nixtamalized Creole Corn Flours Produced by High-Energy Milling. [Food Chemistry, 283](#), 481-488.
31. Rios, I. O. V., Gonzalez-Garcia, G., Mellado-Mojica, E., Garcia, R. A. V., Cauich, J. G. D., Lopez, M. G. & Garcia-Vieyra, M. I. (2019). Phytochemical Profiles and Classification of Agave Syrups Using H-1-Nmr and Chemometrics. [Food Science & Nutrition, 7\(1\)](#), 3-13.
32. Cruz-Magalhaes, V., Nieto-Jacobo, M. F., De Jong, E. V. et al. (2019). The Nadph Oxidases Nox1 and Nox2 Differentially Regulate Volatile Organic Compounds, Fungistatic Activity, Plant Growth Promotion and Nutrient Assimilation in Trichoderma Atroviride. [Frontiers in Microbiology, 9](#), 3271.
33. Dipp-Alvarez, M. & Cruz-Ramirez, A. (2019). A Phylogenetic Study of the Ant Family Points to a Preant Gene as the Ancestor of Basal and Euant Transcription Factors in Land Plants. [Frontiers in Plant Science, 10](#), 17.
34. Olivares-Ramirez, J. M., Dector, A., Banuelos-Dias, J. A., Amaya-Cruz, D. M., Ortiz-Verdin, A., Jimenez-Sandoval, O., Sabate, N. & Esquivel, J. P. (2019). Evaluation of a Passive Anion-Exchange Membrane Micro Fuel Cell Using Glycerol From Several Sources. [Fuel Cells, 19\(1\)](#), 10-18.
35. Arenas-Hernandez, M., Gomez-Lopez, N., Garcia-Flores, V., Rangel-Escareno, C., Alvarez-Salas, L. M., Martinez-Acuna, N., Vazquez-Perez, J. A. & Vega-Sanchez, R. (2019). Choriodecidual Leukocytes Display a Unique Gene Expression Signature in Spontaneous Labor at Term. [Genes and Immunity, 20\(1\)](#), 56-68.
36. Shultzaberger, R. K., Johnson, S. J., Wagner, J., Ha, K., Markow, T. A. & Greenspan, R. J. (2019). Conservation of the Behavioral and Transcriptional Response to Social Experience Among Drosophilids. [Genes Brain and Behavior, 18\(1\)](#), e12487.

37. Berlanga-Robles, C. A., Ruiz-Luna, A. & Villanueva, M. R. N. (2019). Seasonal Trend Analysis (Sta) of Modis Vegetation Index Time Series for the Mangrove Canopy of the Teacapan-Agua Brava Lagoon System, Mexico. [Giscience & Remote Sensing](#), *56*(3), 338-361.
38. Barneche, D. R., Rezende, E. L., Parravicini, V. et al. (2019). Body Size, Reef Area and Temperature Predict Global Reef-Fish Species Richness Across Spatial Scales. [Global Ecology and Biogeography](#), *28*(3), 315-327.
39. Ramos-Tovar, E., Buendia-Montano, L. D., Galindo-Gomez, S., Hernandez-Aquino, E., Tsutsumi, V. & Muriel, P. (2019). Stevia Prevents Experimental Cirrhosis by Reducing Hepatic Myofibroblasts and Modulating Molecular Profibrotic Pathways. [Hepatology Research](#), *49*(2), 212-223.
40. De la Cruz, J. J., Villanueva-Lizama, L., Dzul-Huchim, V. et al. (2019). Production of recombinant TSA-1 and evaluation of its potential for the immuno-therapeutic control of Trypanosoma cruzi infection in mice. [Human Vaccines & Immunotherapeutics](#), *15*(1), 210-219.
41. Diaz, A., Garrido, R. & Soto-Bernal, J. J. (2019). A Filtered Sun Sensor for Solar Tracking in Hcpv and Csp Systems. [Ieee Sensors Journal](#), *19*(3), 917-925.
42. Gomez, M. A., Egorov, A. V., Mondie, S. & Michiels, W. (2019). Optimization of the H-2 Norm for Single-Delay Systems, With Application to Control Design and Model Approximation. [Ieee Transactions on Automatic Control](#), *64*(2), 804-811.
43. Vega, C. J., Suarez, O. J., Sanchez, E. N., Chen, G. R., Elvira-Ceja, S. & Rodriguez-Castellanos, D. (2019). Trajectory Tracking on Complex Networks Via Inverse Optimal Pinning Control. [Ieee Transactions on Automatic Control](#), *64*(2), 767-774.
44. Deb, K., Hussein, R., Roy, P. C. & Toscano-Pulido, G. (2019). A Taxonomy for Metamodeling Frameworks for Evolutionary Multiobjective Optimization. [Ieee Transactions on Evolutionary Computation](#), *23*(1), 104-116.
45. Gonzalez-Briceno, G., Medow, J. E., Ortega-Cisneros, S., Lorias-Espinoza, D., Minor-Martinez, A. & Webster, J. G. (2019). Design and Evaluation of a Usb Isolator for Medical Instrumentation. [Ieee Transactions on Instrumentation and Measurement](#), *68*(3), 797-806.
46. Medina-Santiago, A., Reyes-Barranca, M. A., Algreto-Badillo, I., Cruz, A. C., Gutierrez, K. A. R. & Cortes-Barron, A. E. (2019). Reconfigurable Arithmetic Logic Unit Designed With Threshold Logic Gates. [Iet Circuits Devices & Systems](#), *13*(1), 21-30.
47. Bakr, Z. H., Wali, Q., Yang, S. Y., Yousefsadeh, M., Padmasree, K. P., Ismail, J., Ab Rahim, M. H., Yusoff, M. M. & Jose, R. (2019). Characteristics of ZnO-SnO<sub>2</sub> Composite Nanofibers as a Photoanode in Dye-Sensitized Solar Cells. [Industrial & Engineering Chemistry Research](#), *58*(2), 643-653.
48. Ramirez, A. & Combariza, G. (2019). Reduced-sample numerical Laplace transform for transient and steady-state simulations: Application to networks involving power electronic converters. [International Journal of Electrical Power & Energy Systems](#), *109*, 480-494.
49. Soto, K. M., Hernandez-Iturriaga, M., Loarca-Pina, G., Luna-Barcenas, G. & Mendoza, S. (2019). Antimicrobial effect of nisin electrospun amaranth: pullulan nanofibers in apple juice and fresh cheese. [International Journal of Food Microbiology](#), *295*, 25-32.

50. Carreno, R., Aguilar, V., Pacheco, D., Acevedo, M. A., Yu, W. & Acevedo, M. E. (2019). An Iot Expert System Shell in Block-Chain Technology With Elm as Inference Engine. [International Journal of Information Technology & Decision Making](#), 18(1), 87-104.
51. Chavez-Carbajal, A., Nirmalkar, K., Perez-Lizaur, A., Hernandez-Quiroz, F., Ramirez-Del Alto, S., Garcia-Mena, J. & Hernandez-Guerrero, C. (2019). Gut microbiota and predicted metabolic pathways in a sample of Mexican women affected by obesity and obesity plus metabolic syndrome. [International Journal of Molecular Sciences](#), 20(2), 438.
52. Gonzalez-Dominguez, J. L., Cruz-Orea, A., Rojas-Chavez, H., Sanchez-Sinencio, F., Hernandez-Aguilar, C. & Dominguez-Pacheco, F. A. (2019). Thermal Effusivity of Human Fluids. [International Journal of Thermophysics](#), 40(3), 25.
53. Medina-Perez, A., Dominguez-Pacheco, A., Hernandez-Aguilar, C. & Cruz-Orea, A. (2019). Thermal Imaging Using Photoacoustic Microscopy With Different Excitation Wavelengths. [International Journal of Thermophysics](#), 40(2), 23.
54. Ramos-Serrano, J. R., Matsumoto, Y., Mendez-Blas, A., Dutt, A., Morales, C. & Oliva, A. I. (2019). Luminescent Silicon Oxycarbide Thin Films Obtained With Monomethyl-Silane by Hot-Wire Chemical Vapor Deposition. [Journal of Alloys and Compounds](#), 780, 341-346.
55. Moha-Leon, J. D., Perez-Legaspi, I. A., Ortega-Clemente, L. A., Rubio-Franchini, I. & Rios-Leal, E. (2019). Improving the Lipid Content of Nannochloropsis Oculata by a Mutation-Selection Program Using Uv Radiation and Quizalofop. [Journal of Applied Phycology](#), 31(1), 191-199.
56. Ordonez-Miranda, J., Joulain, K., Ezzahri, Y., Drevillon, J. & Alvarado-Gil, J. J. (2019). Periodic amplification of radiative heat transfer. [Journal of Applied Physics](#), 125(6), 064302.
57. Adame-Garcia, S. R., Cervantes-Villagrana, R. D., Orduna-Castillo, L. B., Del Rio, J. C., Gutkind, J. S., Reyes-Cruz, G., Taylor, S. S. & Vazquez-Prado, J. (2019). CAMP-dependent activation of the Rac guanine exchange factor P-REX1 by type I protein kinase A (PKA) regulatory subunits. [Journal of Biological Chemistry](#), 294(7), 2232-2246.
58. Cervantes-Villagrana, R. D., Adame-Garcia, S. R., Garcia-Jimenez, I. et al. (2019). G Signaling to the Chemotactic Effector P-Rex1 and Mammalian Cell Migration Is Directly Regulated by G(Q) and G(13) Proteins. [Journal of Biological Chemistry](#), 294( 2), 531-546.
59. Magdaleno-Lopez, C., Perez-Bueno, J. D., Flores-Segura, J. C., Reyes-Araiza, J. L., Mendoza-Lopez, M. L., Ares, O. & Manzano-Ramirez, A. (2019). A Geopolymeric Composite of Non-Calcined Rice Husks Made of Metakaolin/Sol-Gel Silica. [Journal of Composite Materials](#), 53(5), 603-611.
60. Franco, C. A. & Collado, J. (2019). A Novel Discriminant Approximation of Periodic Differential Equations. [Journal of Differential Equations](#), 266( 9), 5448-5487.
61. Cruz-Avalos, A. M., Bivian-Hernandez, M. A., Ibarra, J. E. & Del Rincon-Castro, M. C. (2019). High Virulence of Mexican Entomopathogenic Fungi Against Fall Armyworm, (Lepidoptera: Noctuidae). [Journal of Economic Entomology](#), 112(1), 99-107.
62. Bonta, M., Pulido-Silva, M. T. , Diego-Vargas, T., Vite-Reyes, A., Vovides, A. P. & Cibrian-Jaramillo, A. (2019). Ethnobotany of Mexican and Northern Central American Cycads (Zamiaceae). [Journal of Ethnobiology and Ethnomedicine](#), 15, 4.

63. Maldonado-Astudillo, Y. I., Jimenez-Hernandez, J., Arambula-Villa, G., Flores-Casamayor, V., Alvarez-Fitz, P., Ramirez-Ruano, M. & Salazar, R. (2019). Effect of water activity on extractable polyphenols and some physical properties of Hibiscus sabdariffa L. calyces. [Journal of Food Measurement and Characterization](#), *13*(1), 687-696.
64. Mateus, R. P., Nazario-Yepiz, N. O., Ibarra-Laclette, E., Ramirez Loustalot-Laclette, M. & Markow, T. A. (2019). Developmental and Transcriptomal Responses to Seasonal Dietary Shifts in the Cactophilic *Drosophila mojavensis* of North America. [Journal of Heredity](#), *110*(1), 58-67.
65. Vanderlinde, T., Dupim, E. G., Nazario-Yepiz, N. O. & Carvalho, A. B. (2019). An Improved Genome Assembly for *Drosophila navojoa*, the Basal Species in the mojavensis Cluster. [Journal of Heredity](#), *110*(1), 118-123.
66. Schutze, O., Hernandez, C., Talbi, E. G., Sun, J. Q., Naranjani, Y. & Xiong, F. R. (2019). Archivers for the Representation of the Set of Approximate Solutions for Mops. [Journal of Heuristics](#), *25*(1), 71-105.
67. Landa, R., Larraga, G. & Toscano, G. (2019). Use of a Goal-Constraint-Based Approach for Finding the Region of Interest in Multi-Objective Problems. [Journal of Heuristics](#), *25*(1), 107-139.
68. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement of Inclusive and Differential Higgs Boson Production Cross Sections in the Diphoton Decay Channel in Proton-Proton Collisions at Root  $S=13$  TeV. [Journal of High Energy Physics](#), (1), 183.
69. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Heavy Majorana Neutrinos in Same-Sign Dilepton Channels in Proton-Proton Collisions at Root  $S = 13$  TeV. [Journal of High Energy Physics](#), (1), 122.
70. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Heavy Resonances Decaying Into Two Higgs Bosons or Into a Higgs Boson and a W or Z Boson in Proton-Proton Collisions at 13 TeV. [Journal of High Energy Physics](#), (1), 51.
71. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Production of Higgs Boson Pairs in the Four B Quark Final State Using Large-Area Jets in Proton-Proton Collisions at Root  $S$  13 TeV. [Journal of High Energy Physics](#), (1), 40.
72. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Supersymmetry in Events With a Photon, a Lepton, and Missing Transverse Momentum in Proton-Proton Collisions at Root  $S=13$  TeV. [Journal of High Energy Physics](#), (1), 154.
73. Berman, D. S., Chacon, E., Luna, A. & White, C. D. (2019). The Self-Dual Classical Double Copy, and the Eguchi-Hanson Instanton. [Journal of High Energy Physics](#), (1), 107.
74. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Study of J/Psi Azimuthal Anisotropy at Forward Rapidity in Pb-Pb Collisions at Root  $S(NN)=5.02$  TeV. [Journal of High Energy Physics](#), (2), 12.
75. Pena-Angulo, D., Nadal-Romero, E., Gonzalez-Hidalgo, J. C. et al. (2019). Spatial variability of the relationships of runoff and sediment yield with weather types throughout the Mediterranean basin. [Journal of Hydrology](#), *571*, 390-405.
76. Serrano, C., Galan, S., Rubio, J. F. et al. (2019). Compartmentalized Response of Il-6/Stat3 Signaling in the Colonic Mucosa Mediates Colitis Development. [Journal of Immunology](#), *202*(4), 1239-1249.

77. Rosaldo-Serrano, M. A., Santiaguillo-Salinas, J. & Aranda-Bricaire, E. (2019). Observer-Based Time-Varying Backstepping Control for a Quadrotor Multi-Agent System. [Journal of Intelligent & Robotic Systems](#), *93*(1-2), 135-150.
78. Mendoza-Soto, J. L., Corona-Sanchez, J. J. & Rodriguez- Cortes, H. (2019). Quadcopter Path Following Control. A Maneuvering Approach. [Journal of Intelligent & Robotic Systems](#), *93*(1-2), 73-84.
79. Rojo-Rodriguez, E. G., Garcia, O., Ollervides, E. J., Zambrano-Robledo, P. & Espinoza-Quesada, E. S. (2019). Robust Consensus-Based Formation Flight for Multiple Quadrotors. [Journal of Intelligent & Robotic Systems](#), *93*(1-2), 213-226.
80. Munoz, F., Espinoza, E. S., Gonzalez-Hernandez, I., Salazar, S. & Lozano, R. (2019). Robust Trajectory Tracking for Unmanned Aircraft Systems Using a Nonsingular Terminal Modified Super-Twisting Sliding Mode Controller. [Journal of Intelligent & Robotic Systems](#), *93*(1-2), 55-72.
81. Guzman-Caballero, D. E., Quevedo-Lopez, M. A. & Ramirez-Bon, R. (2019). Optical Properties of P-Type SnO<sub>2</sub> Thin Films Deposited by Dc Reactive Sputtering. [Journal of Materials Science-Materials in Electronics](#), *30*(2), 1366-1373.
82. Gonzalez-Hernandez, A., Leon-Martinez, M. & Barba, V. (2019). Synthesis, Characterization and Structural Analysis of Bis-Schiff Bases Using 3,3'-Methyldianiline and Salicylaldehyde Derivatives. [Journal of Molecular Structure](#), *1182*, 308-316.
83. Lopez, M. C. U., Lemus, M. A. A., Hidalgo, M. C., Gonzalez, R. L., Owen, P. Q., Oros-Ruiz, S., Lopez, S. A. U. & Acosta, J. (2019). Synthesis and Characterization of ZnO-ZrO<sub>2</sub> Nanocomposites for Photocatalytic Degradation and Mineralization of Phenol. [Journal of Nanomaterials](#), *2019*, 1015876.
84. Sanchez-Albarran, F., Salgado-Garciglia, R., Molina-Torres, J. & Lopez-Gomez, R. (2019). Oleosome Oil Storage in the Mesocarp of Two Avocado Varieties. [Journal of Oleo Science](#), *68*(1), 87-94.
85. Maestro, A., De Marigorta, E. M., Palacios, F. & Vicario, J. (2019). Enantioselective Alpha-Aminophosphonate Functionalization of Indole Ring Through an Organocatalyzed Friedel-Crafts Reaction. [Journal of Organic Chemistry](#), *84*(2), 1094-1102.
86. Soria-Castro, M., De La Rosa-Garcia, S. C., Quintana, P., Gomez-Cornelio, S., Sierra-Fernandez, A. & Gomez-Ortiz, N. (2019). Broad Spectrum Antimicrobial Activity of Ca(Zn(OH)<sub>3</sub>)<sub>2</sub>Center Dot 2h(2)O and ZnO Nanoparticles Synthesized by the Sol-Gel Method. [Journal of Sol-Gel Science and Technology](#), *89*(1), 284-294.
87. Sierra-Fernandez, A., De La Rosa-Garcia, S. C., Yanez-Macias, R. et al. (2019). Sol-Gel Synthesis of Mg(OH)<sub>2</sub> and Ca(OH)<sub>2</sub> Nanoparticles: a Comparative Study of Their Antifungal Activity in Partially Quaternized P(Dmaema) Nanocomposite Films. [Journal of Sol-Gel Science and Technology](#), *89*(1), 310-321.
88. Rincon-Lopez, J. A., Hermann-Munoz, J. A., Fernandez-Benavides, D. A., Giraldo-Betancur, A. L., Alvarado-Orozco, J. M. & Munoz-Saldana, J. (2019). Isothermal Phase Transformations of Bovine-Derived Hydroxyapatite/Bioactive Glass: a Study by Design of Experiments. [Journal of the European Ceramic Society](#), *39*(4), 1613-1624.

89. Aguilera-Rivera, D., Escalante-Herrera, K., Gaxiola, G., Prieto-Davo, A., Rodriguez-Fuentes, G., Guerra-Castro, E., Hernandez-Lopez, J., Chavez-Sanchez, M. C. & Rodriguez-Canul, R. (2019). Immune Response of the Pacific White Shrimp, *Litopenaeus Vannamei*, Previously Reared in Biofloc and After an Infection Assay With *Vibrio Harveyi*. [Journal of the World Aquaculture Society](#), *50*(1), 119-136.
90. Ramirez, R. R. & Ludert, J. E. (2019). The Dengue Virus Nonstructural Protein 1 (Ns1) Is Secreted From Mosquito Cells in Association With the Intracellular Cholesterol Transporter Chaperone Caveolin Complex. [Journal of Virology](#), *93*(4), e01985.
91. Irina, L. T., Javier, B. P., Teresa, C. B. M., Euridice, L. A. & Del Carmen Cilm. (2019). Integrating Ecological and Socioeconomic Criteria in a Gis-Based Multicriteria-Multiobjective Analysis to Develop Sustainable Harvesting Strategies for Mexican Oregano *Lippia Graveolens* Kunth, a Non-Timber Forest Product. [Land Use Policy](#), *81*, 668-679.
92. Vergara-Castaneda, H., Granados-Segura, L. O., Luna-Barcenas, G., McClements, D. J., Herrera-Hernandez, M. G., Arjona, N., Hernandez-Martinez, A. R., Estevez, M. & Pool, H. (2019 ). Gold Nanoparticles Bioreduced by Natural Extracts of *Arantho* (*Kalanchoe Daigremontiana*) for Biological Purposes: Physicochemical, Antioxidant and Antiproliferative Evaluations. [Materials Research Express](#), *6*(5), 055010.
93. Martinez-Ara, L. A., Aguilar-Hernandez, J. R., Sastre-Hernandez, J., Hernandez-Hernandez, L. A., Hernandez-Perez, M. D., Maldonado-Altamirano, P., Mendoza-Perez, R. & Contreras-Puente, G. (2019). Structural and Optical Properties of Gan Thin Films Grown on Si (111) by Pulsed Laser Deposition. [Materials Research-Ibero-American Journal of Materials](#), *22*(2), e20180263.
94. Kravchenko, V. V. (2019). On a Method for Solving the Inverse Scattering Problem on the Line. [Mathematical Methods in the Applied Sciences](#), *42*(4), 1321-1327.
95. Moo-Llanes, D. A., Pech-May, A., Ibarra-Cerdena, C. N., Rebollar-Tellez, E. A. & Ramsey, J. M. (2019). Inferring Distributional Shifts of Epidemiologically Important North and Central American Sandflies From Pleistocene to Future Scenarios. [Medical and Veterinary Entomology](#), *33*(1), 31-43.
96. Jimenez-Osorio, A. S., Musalem-Younes, C., Cardenas-Hernandez, H. et al. (2019). Common Polymorphisms Linked to Obesity and Cardiovascular Disease in Europeans and Asians are Associated with Type 2 Diabetes in Mexican Mestizos. [Medicina-Lithuania](#), *55*(2), 40.
97. Duff-Farrier, C. R. A., Mbanzibwa, D. R., Nanyiti, S. et al. (2019). Strategies for the Construction of Cassava Brown Streak Disease Viral Infectious Clones. [Molecular Biotechnology](#), *61*(2), 93-101.
98. Espinosa-Valdes, M. P., Borbolla-Alvarez, S., Delgado-Espinosa, A. E., Sanchez-Tejeda, J. F., Ceron-Nava, A., Quintana-Romero, O. J., Ariza-Castolo, A., Garcia-Del Rio, D. F. & Loza-Mejia, M. A. (2019). Synthesis, in Silico, and in Vitro Evaluation of Long Chain Alkyl Amides From 2-Amino-4-Quinolone Derivatives as Biofilm Inhibitors. [Molecules](#), *24*(2), 327.
99. Lardeux, F., Maturana, J., Rodriguez-Tello, E. & Saubion, F. (2019). Migration policies in dynamic island models. [Natural Computing](#), *18*(1), 163-179.
100. Trogolo, S., Acharya, S., Acosta, F. T. et al. (2019). Addressing the Hypertriton Lifetime Puzzle With Alice at the Lhc. [Nuclear Physics a](#), *982*, 815-818.

101. Gajdosova, K., Acharya, S., Acosta, F. T. et al. (2019). Alice Measurements of Flow Coefficients and Their Correlations in Small (Pp and P-Pb) and Large (Xe-Xe and Pb-Pb) Collision Systems. [Nuclear Physics a, 982](#), 487-490.
102. Kim, B., Acharya, S., Acosta, F. T. et al. (2019). Alice Results on System-Size Dependence of Charged-Particle Multiplicity Density in P-Pb, Pb-Pb and Xe-Xe Collisions. [Nuclear Physics a, 982](#), 279-282.
103. Pan, J. J., Acharya, S., Acosta, F. T. et al. (2019). Balance Functions of (Un)Identified Hadrons in Pb-Pb, P-Pb, and Pp Collisions at the Lhc. [Nuclear Physics a, 982](#), 315-318.
104. Oh, G., Sirunyan, A. M., Tumasyan, A. et al. (2019). Beyond Npdfs Effects : Prompt J/Psi and Psi(2s) Production in Ppb and Pp Collisions. [Nuclear Physics a, 982](#), 743-746.
105. Colocci, M., Acharya, S., Acosta, F. T. et al. (2019). Constraining Production Models With Light (Anti-)Nuclei Measurements in Small Systems With Alice at the Lhc. [Nuclear Physics a, 982](#), 895-898.
106. Shi, Z. Z., Sirunyan, A. M., Tumasyan, A. et al. (2019). D-0-Meson R-Aa in Ppb Collisions at Root S(Nn)=5.02 Tev and Elliptic Flow in Ppb Collisions at Root S(Nn)=8.16 Tev With Cms. [Nuclear Physics a, 982](#), 647-650.
107. Bailhache, R., Acharya, S., Acosta, F. T. et al. (2019). Dielectron Measurements in Pp and Pb-Pb Collisions With Alice at the Lhc. [Nuclear Physics a, 982](#), 779-782.
108. Sas, M., Acharya, S., Acosta, F. T. et al. (2019). Direct Photon Elliptic Flow in Pb-Pb Collisions at Root S-Nn=2.76 Tev. [Nuclear Physics a, 982](#), 195-197.
109. Tarhini, M., Acharya, S., Acosta, F. T. et al. (2019). Electroweak Boson Measurements in P-Pb and Pb-Pb Collisions at Root S-Nn=5.02 Tev With Alice at the Lhc. [Nuclear Physics a, 982](#), 783-786.
110. Pacik, V., Acharya, S., Acosta, F. T. et al. (2019). Elliptic Flow of Identified Hadrons in Small Collisional Systems Measured With Alice. [Nuclear Physics a, 982](#), 451-454.
111. Sekihata, D., Acharya, S., Acosta, F. T. et al. (2019). Energy and System Dependence of Nuclear Modification Factors of Inclusive Charged Particles and Identified Light Hadrons Measured in P-Pb, Xe-Xe and Pb-Pb Collisions With Alice. [Nuclear Physics a, 982](#), 567-570.
112. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Energy Dependence of Phi(1020) Production at Mid-Rapidity in Pp Collisions With Alice at the Lhc. [Nuclear Physics a, 982](#), 180-182.
113. Bencedi, G., Acharya, S., Acosta, F. T. et al. (2019). Event-Shape- and Multiplicity-Dependent Identified Particle Production in Pp Collisions at 13 Tev With Alice at the Lhc. [Nuclear Physics a, 982](#), 507-510.
114. D'enterria, D., Sirunyan, A. M., Tumasyan, A. et al. (2019). Evidence for Light-by-Light Scattering in Ultraperipheral Ppb Collisions at Root S-Nn=5.02 Tev. [Nuclear Physics a, 982](#), 791-794.
115. Varga-Kofarago, M., Acharya, S., Acosta, F. T. et al. (2019). The Evolution of the Near-Side Peak in Two-Particle Number and Transverse Momentum Correlations in Pb-Pb Collisions From Alice. [Nuclear Physics a, 982](#), 363-366.
116. Hosokawa, R., Acharya, S., Acosta, F. T. et al. (2019). Exploring Jet Profiles in Pb-Pb Collisions at 5.02 Tev With the Alice Detector. [Nuclear Physics a, 982](#), 639-642.



117. Andrews, H. A., Acharya, S., Acosta, F. T. et al. (2019). Exploring the Phase Space of Jet Splittings at Alice Using Grooming and Recursive Techniques. [Nuclear Physics a, 982](#), 587-590.
118. Lorenzo, A., Acharya, S., Acosta, F. T. et al. (2019). F(0)(980) Resonance Production in Pp Collisions With the Alice Detector at the Lhc. [Nuclear Physics a, 982](#), 201-203.
119. Diab, B., Sirunyan, A. M., Tumasyan, A. et al. (2019). Fragmentation of J/Psi in Jets in Pp Collisions at Root S=5.02 Tev Batoul Diab for the Cms Collaboration. [Nuclear Physics a, 982](#), 186-188.
120. Albuquerque, D. S. D., Acharya, S., Acosta, F. T. et al. (2019). Hadronic Resonances, Strange and Multi-Strange Particle Production in Xe-Xe and Pb-Pb Collisions With Alice at the Lhc. [Nuclear Physics a, 982](#), 823-826.
121. Dubla, A., Acharya, S., Acosta, F. T. et al. (2019). Heavy-Flavour Hadron Decay Leptons in Pb-Pb and Xe-Xe Collisions at the Lhc With Alice. [Nuclear Physics a, 982](#), 651-654.
122. Behera, N. K., Acharya, S., Acosta, F. T. et al. (2019). Higher Moment Fluctuations of Identified Particle Distributions From Alice. [Nuclear Physics a, 982](#), 851-854.
123. Ohlson, A., Acharya, S., Acosta, F. T. et al. (2019). Investigating Correlated Fluctuations of Conserved Charges With Net-a Fluctuations in Pb-Pb Collisions at Alice. [Nuclear Physics a, 982](#), 299-302.
124. Puccio, M., Acharya, S., Acosta, F. T. et al. (2019). Light (Anti-)Nuclei Production and Elliptic Flow at the Lhc With Alice. [Nuclear Physics a, 982](#), 447-450.
125. Stojanovic, M., Sirunyan, A. M., Tumasyan, A. et al. (2019). Measurement of Anisotropic Flow in Xexe Collisions at 5.44 Tev With the Cms Experiment. [Nuclear Physics a, 982](#), 395-398.
126. Margutti, J., Acharya, S., Acosta, F. T. et al. (2019). Measurements of Anisotropic Flow and Flow Fluctuations in Xe-Xe and Pb-Pb Collisions With Alice. [Nuclear Physics a, 982](#), 367-370.
127. Trzeciak, B., Acharya, S., Acosta, F. T. et al. (2019). Measurements of Heavy-Flavour Correlations and Jets With Alice at the Lhc. [Nuclear Physics a, 982](#), 579-582.
128. Haque, M. R., Acharya, S., Acosta, F. T. et al. (2019). Measurements of the Chiral Magnetic Effect in Pb-Pb Collisions With Alice. [Nuclear Physics a, 982](#), 543-546.
129. Wang, Q., Sirunyan, A. M., Tumasyan, A. et al. (2019). Multiparticle Correlations and Higher Order Harmonics in Ppb Collisions at Root S(Nn)=8.16 Tev. [Nuclear Physics a, 982](#), 375-378.
130. Dash, A. K., Acharya, S., Acosta, F. T. et al. (2019). Multiplicity Dependence of Strangeness and Hadronic Resonance Production in Pp and P-Pb Collisions With Alice at the Lhc. [Nuclear Physics a, 982](#), 467-470.
131. Siddhanta, S., Acharya, S., Acosta, F. T. et al. (2019). Muon Physics at Forward Rapidity With the Alice Detector Upgrade. [Nuclear Physics a, 982](#), 947-950.
132. Mohammadi, N., Acharya, S., Acosta, F. T. et al. (2019). Non-Linear Flow Modes of Identified Particles in Pb-Pb Collisions at Root S(Nn)=5.02 Tev With the Alice Detector. [Nuclear Physics a, 982](#), 383-386.

133. Peng, X. Y., Acharya, S., Acosta, F. T. et al. (2019). Non-Strange and Strange D-Meson and Charm-Baryon Production in Heavy-Ion Collisions Measured With Alice at the Lhc. [Nuclear Physics a, 982](#), 667-670.
134. Zanolini, H. J. C., Acharya, S., Acosta, F. T. et al. (2019). Open Heavy-Flavour Production and Elliptic Flow in P-Pb Collisions at the Lhc With Alice. [Nuclear Physics a, 982](#), 691-694.
135. Pandey, A. K., Acharya, S., Acosta, F. T. et al. (2019). Pion-Kaon Femtoscopy in Pb-Pb Collisions at Root S(Nn)=2.76 Tev Measured With Alice. [Nuclear Physics a, 982](#), 351-354.
136. Dillenseger, P., Acharya, S., Acosta, F. T. et al. (2019). Quarkonium Measurements in Nucleus-Nucleus Collisions With Alice. [Nuclear Physics a, 982](#), 703-706.
137. Paul, B., Acharya, S., Acosta, F. T. et al. (2019). Quarkonium Production in P-Pb Collisions With Alice. [Nuclear Physics a, 982](#), 739-742.
138. Tu, Z. D. M., Sirunyan, A. M., Tumasyan, A. et al. (2019). Search for the Chiral Magnetic Effect at the Lhc With the Cms Experiment. [Nuclear Physics a, 982](#), 527-530.
139. Singh, R., Acharya, S., Acosta, F. T. et al. (2019). Spin Alignment Measurements Using Vector Mesons With Alice Detector at the Lhc. [Nuclear Physics a, 982](#), 515-518.
140. Bellini, F., Acharya, S., Acosta, F. T. et al. (2019). Testing the System Size Dependence of Hydrodynamical Expansion and Thermal Particle Production With Pi, K, P, and Phi in Xe-Xe and Pb-Pb Collisions With Alice. [Nuclear Physics a, 982](#), 427-430.
141. Margutti, J., Acharya, S., Acosta, F. T. et al. (2019). Upgrade of the Alice Central Barrel Tracking Detectors: Its and Tpc. [Nuclear Physics a, 982](#), 943-946.
142. Vidal-Hernandez, L., Canto-Lugo, E., Carmona-Escalante, A., Huerta-Quintanilla, R., Garza-Lagler, C. & Lopez-Rocha, J. (2019). Properties, Communities and Robustness in the Yucatan Sea Cucumber Trade Network. [Ocean & Coastal Management, 168](#), 226-237.
143. Avendano-Borromeo, B., Narayanasamy, R. K., Garcia-Rivera, G., Labra-Barrios, M. L., Lagunes-Guillen, A. E., Munguia-Chavez, B., Castanon-Sanchez, C. A., Orozco, E. & Luna-Arias, J. P. (2019). Identification of the Gene Encoding the Tata Box-Binding Protein-Associated Factor 1 (Taf1) and Its Putative Role in the Heat Shock Response in the Protozoan Parasite Entamoeba Histolytica. [Parasitology Research, 118](#)(2), 517-538.
144. Montejó-Alvaró, F., Oliva, J., Zarate, A., Herrera-Trejo, M., Hdz-Garcia, H. M. & Mtz-Enriquez, A. I. (2019). Icosahedral transition metal clusters (M13, M = Fe, Ni, and Cu) adsorbed on graphene quantum dots, a DFT study. [Physica E-Low-Dimensional Systems & Nanostructures, 110](#), 52-58.
145. Castillo-Celeita, M., Diaz-Bautista, E. & Fernandez, D. J. (2019). Polynomial Heisenberg Algebras, Multiphoton Coherent States and Geometric Phases. [Physica Scripta, 94](#)(4), 045203.
146. Acharya, S., Acosta, F. T., Adamov+ç, D. et al. (2019). Measurement of dielectron production in central Pb-Pb collisions at root sNN = 2.76 TeV. [Physical Review C, 99](#)(2), 024002.
147. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Multiplicity Dependence of Light-Flavor Hadron Production in Pp Collisions at Root S=7 Tev. [Physical Review C, 99](#)(2), 024906.

148. Acharya, S., Adamova, D., Adolfsson, J. et al. (2019). P-P, P-Lambda, and Lambda-Lambda Correlations Studied Via Femtoscopy in Pp Reactions at Root S=7 Tev. [Physical Review C](#), 99(2), 024001.
149. Acharya, S., Adamova, D., Adolfsson, J. et al. (2019). Suppression of Lambda(1520) Resonance Production in Central Pb-Pb Collisions at Root S-Nn=2.76 Tev. [Physical Review C](#), 99(2), 024905.
150. Acharya, S., Adamova, D., Adler, A. et al. (2019). Charged Jet Cross Section and Fragmentation in Proton-Proton Collisions at Root S=7 Tev. [Physical Review D](#), 99(1), 012016.
151. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Search for Pair-Produced Three-Jet Resonances in Proton-Proton Collisions at Root S=13 Tev. [Physical Review D](#), 99(1), 012010.
152. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Search for Dark Matter Particles Produced in Association With a Top Quark Pair at Root S=13 Tev. [Physical Review Letters](#), 122(1), 011803.
153. Manko, V. S. & Ruiz, E. (2019). Black hole-naked singularity dualism and the repulsion of two Kerr black holes due to spin-spin interaction. [Physics Letters B](#), 791, 26-29.
154. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Direct Photon Elliptic Flow in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physics Letters B](#), 789, 308-322.
155. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Measurement of Differential Cross Sections for Z Boson Pair Production in Association With Jets at Root S=8 and 13 Tev. [Physics Letters B](#), 789, 19-44.
156. Acharya, S., Acosta, F. T., Adamov+k, D. et al. (2019). Measuring K0SK+- interactions using pp collisions at root s = 7 TeV. [Physics Letters B](#), 790, 22-34.
157. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Non-Gaussian Elliptic-Flow Fluctuations in Pbb Collisions at Root S-Nn=5.02 Tev. [Physics Letters B](#), 789, 643-665.
158. Acharya, S., Acosta, F. T., Adamov+k, D. et al. (2019). Y suppression at forward rapidity in Pb-Pb collisions at root s NN = 5.02 TeV. [Physics Letters B](#), 790, 89-101.
159. Pech-May, A., Mazariegos-Hidalgo, C. J., Izeta-Alberdi, A., Lopez-Cancino, S. A., Tun-Ku, E., De La Cruz-Felix, K., Ibarra-Cerdena, C. N., Ittig, R. E. G. & Ramsey, J. M. (2019). Genetic Variation and Phylogeography of the *Triatoma Dimidiata* Complex Evidence a Potential Center of Origin and Recent Divergence of Haplogroups Having Differential *Trypanosoma Cruzi* and *Dtu* Infections. [Plos Neglected Tropical Diseases](#), 13(1), e0007044.
160. Cantu-Iris, M., Pastor-Palacios, G., Mauricio-Castillo, J. A., Banuelos-Hernandez, B., Avalos-Calleros, J. A., Juarez-Reyes, A., Rivera-Bustamante, R. & Arguello-Astorga, G. R. (2019). Analysis of a New Begomovirus Unveils a Composite Element Conserved in the Cp Gene Promoters of Several Geminiviridae Genera: Clues to Comprehend the Complex Regulation of Late Genes. [Plos One](#), 14(1), e0210485.
161. Suarez-Moo, P. D., Vovides, A. P., Griffith, M. P., Barona-Gomez, F. & Cibrian-Jaramillo, A. (2019). Unlocking a High Bacterial Diversity in the Coralloid Root Microbiome From the Cycad Genus *Dioon*. [Plos One](#), 14(2), e0211271.

162. Patlan, A. G., Ayala-Garcia, V. M., Valenzuela-Garcia, L. I., Meneses-Plascencia, J., Vargas-Arias, P. L., Barraza-Salas, M., Setlow, P., Briebe, L. G. & Pedraza-Reyes, M. (2019). YwqL (EndoV), ExoA and PolA act in a novel alternative excision pathway to repair deaminated DNA bases in *Bacillus subtilis*. [Plos One](#), *14*(2), e0211653.
163. Gutierrez-Carmona, I., Moreno, J. A. & Abundis-Fong, H. F. (2019). On the Boundary Conditions in a Non-Linear Dissipative Observer for Tubular Reactors. [Processes](#), *7*(1), 8.
164. Perez-Aranda, C., Gamboa, F., Castillo-Cruz, O., Cauich-Rodriguez, J. V. & Aviles, F. (2019). Design and Analysis of a Burst Strength Device for Testing Vascular Grafts. [Review of Scientific Instruments](#), *90* (1), 014301.
165. Delgado, A., Bautista, F., Gogichaishvili, A., Cortes, J. L., Quintana, P., Aguilar, D. & Cejudo, R. (2019). Identification of Areas Contaminated With Heavy Metals in the Urban Dust of the City of Mexico. [Revista Internacional De Contaminacion Ambiental](#), *35*(1), 81-100.
166. Paz, A. & Arechavaleta, G. (2019). Online optimization of humanoid walking trajectories for passing through a door. [Robotics and Autonomous Systems](#), *115*, 61-72.
167. Aguirrezabala-Campano, T., Gerardo-Nieto, O., Gonzalez-Valencia, R., Souza, V. & Thalasso, F. (2019). Methane dynamics in the subsaline ponds of the Chihuahuan Desert: A first assessment. [Science of The Total Environment](#), *666*, 1255-1264.
168. Perez-Torres, R., Torres-Huitzil, C. & Galeana-Zapien, H. (2019). A Cognitive-Inspired Event-Based Control for Power-Aware Human Mobility Analysis in IoT Devices. [Sensors](#), *19*(4), 832.
169. Lara-Nino, C. A., Diaz-Perez, A. & Morales-Sandoval, M. (2019). Energy/Area-Efficient Scalar Multiplication with Binary Edwards Curves for the IoT. [Sensors](#), *19*(3), 720.
170. Ramirez-Como, M., Balderrama, V. S., Sacramento, A., Marsal, L. F., Lastra, G. & Estrada, M. (2019). Fabrication and characterization of inverted organic PTB7:PC70BM solar cells using Hf-In-ZnO as electron transport layer. [Solar Energy](#), *181*, 386-395.
171. Alos, E., Jacquier, A. & Leon, J. A. (2019). The implied volatility of Forward-Start options: ATM short-time level, skew and curvature. [Stochastics](#), *91*(1), 37-51.
172. Acosta, M., Acosta-Mendez, R. , Riech, I., Rodriguez-Perez, M. & Rodriguez-Gattorno, G. (2019). Structural, optical and photoelectrochemical properties of tungsten oxide thin films grown by non-reactive RF-sputtering: Materials Science for Green Energy Ifran City. [Superlattices and Microstructures](#), *127*, 123-127.
173. Hermann-Munoz, J. A., Rincon-Lopez, J. A., Clavijo-Mejia, G. A., Giraldo-Betancur, A. L., Alvarado-Orozco, J. M., De Vizcaya-Ruiz, A. & Munoz-Saldana, J. (2019). Influence of Hvof Parameters on Hap Coating Generation: an Integrated Approach Using Process Maps. [Surface & Coatings Technology](#), *358*, 299-307.
174. Carbajal-Valdez, R., Rodriguez-Juarez, A., Jimenez-Perez, J. L., Sanchez-Ramirez, J. F., Cruz-Orea, A., Correa-Pacheco, Z. N., Macias, M. & Luna-Sanchez, J. L. (2019). Experimental Investigation on Thermal Properties of Ag Nanowire Nanofluids at Low Concentrations. [Thermochemica Acta](#) , *671*, 83-88.
175. Medina-Buelvas, D., Estrada-Muniz, E., Flores-Valadez, M. & Vega, L. (2019). Genotoxic and immunotoxic effects of the organophosphate metabolite diethyldithiophosphate (DEDTP) in Vivo. [Toxicology and Applied Pharmacology](#), *366*, 96-103.

176. Acosta, G., Veleza, L., Lopez, J. L. & Lopez-Sauri, D. A. (2019). Contrasting Initial Events of Localized Corrosion on Surfaces of 2219-T42 and 6061-T6 Aluminum Alloys Exposed in Caribbean Seawater. [Transactions of Nonferrous Metals Society of China](#), 29(1), 34-42.
177. Paul, S., Yu, W. & Li, X. O. (2019). Discrete-Time Sliding Mode for Building Structure Bidirectional Active Vibration Control. [Transactions of the Institute of Measurement and Control](#), 41(2), 433-446.
178. Munoz-Vazquez, A. J., Parra-Vega, V., Sanchez-Orta, A. & Ruiz-Sanchez, F. (2019). A Novel Force-Velocity Field for Object Manipulation With a Model-Free Cooperative Controller. [Transactions of the Institute of Measurement and Control](#), 41(2), 573-581.
179. Santiago-Bautista, L., Hdz-Garcia, H. M., Munoz-Arroyo, R., Alvarez-Vera, M., Garcia-Garcia, A., Mtz-Enriquez, A. I., Hernandez-Garcia, F. A. & Acevedo-Davila, J. L. (2019). Growth of a graphenic-Co composite coating on type-304 stainless steel. [Vacuum](#), 163, 324-327.
180. Barrera-Vazquez, O. S., Cancio-Lonches, C., Hernandez-Gonzalez, O. , Chavez-Munguia, B., Villegas-Sepulveda, N. & Gutierrez-Escolano, A. L. (2019). The Feline Calicivirus Leader of the Capsid Protein Causes Survivin and Xiap Downregulation and Apoptosis. [Virology](#), 527, 146-158.
181. Santos-Valencia, J. C., Cancio-Lonches, C., Trujillo-Uscanga, A., Alvarado-Hernandez, B., Lagunes-Guillen, A. & Gutierrez-Escolano, A. L. (2019). Annexin A2 Associates to Feline Calicivirus Rna in the Replication Complexes From Infected Cells and Participates in an Efficient Viral Replication. [Virus Research](#), 261, 1-8.
182. Medina-Ramirez, A., Gamero-Melo, P., Ruiz-Camacho, B., Minchaca-Mojica, J. I., Romero-Toledo, R. & Gamero-Vega, K. Y. (2019). Adsorption of aqueous As (III) in presence of coexisting ions by a green Fe-modified W zeolite. [Water](#), 11(2), 281.

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

183. Jafari, R., Razvarz, S., Gegov, A., & Paul, S. (2019). Fuzzy Modeling for Uncertain Nonlinear Systems Using Fuzzy Equations and Z-Numbers. [Advances in Intelligent Systems and Computing](#), 840, 96-107.
184. Meneses-Viveros, A., Paredes-Lopez, M. & Gitler, I. (2019). Amdahl's law extension for parallel program performance analysis on intel turbo-boost multicore processors. [Communications in Computer and Information Science](#), 948, 87-96.
185. Serrano-Rubio, A. A., Meneses-Viveros, A., Morales-Luna, G. B. & Paredes-Lopez, M. (2019). Generic methodology for the design of parallel algorithms based on pattern languages. [Communications in Computer and Information Science](#), 948, 35-48.
186. Navarro-Alarcon, D., Zahra, O., Trejo, C., Olguin-Diaz, E. & Parra-Vega, V. (2019). Computing Pressure-Deformation Maps for Braided Continuum Robots. [Frontiers in Robotics and Ai](#), 6, 4.
187. Ortega-Ibarra, C. (2019). National and popular school architecture during the constitutionalist revolution of 1914-1917. [Historia Da Educacao](#), 23, 1-32.

188. Maldonado-Maldonado, A. & Lee, J. J. (2019). Knowledge production for all. *International Higher Education*, (96), 4-5.
189. Santos-Trigo, M. & Reyes-Martinez, I. (2019). High School Prospective Teachers' Problem-Solving Reasoning That Involves the Coordinated Use of Digital Technologies. [International Journal of Mathematical Education in Science and Technology](#), 50(2), 182-201.
190. Adj, G., Cervantes-Vazquez, D., Chi-Domonguez, J. J., Menezes, A. & Rodriguez-Henriquez, F. (2019). On the Cost of Computing Isogenies Between Supersingular Elliptic Curves. [Lecture Notes in Computer Science](#), 11349, 322-343.
191. Olguin-Diaz, E. (2019). Attitude representations. [Studies in Systems, Decision and Control](#), 191, 185-230.
192. Olguin-Diaz, E. (2019). Classical mechanics. [Studies in Systems, Decision and Control](#), 191, 101-144.
193. Olguin-Diaz, E. (2019). Dynamics of a rigid body. [Studies in Systems, Decision and Control](#), 191, 231-271.
194. Olguin-Diaz, E. (2019). Lagrangian formulation. [Studies in Systems, Decision and Control](#), 191, 307-328.
195. Olguin-Diaz, E. (2019). Mathematic foundations. [Studies in Systems, Decision and Control](#), 191, 3-100.
196. Olguin-Diaz, E. (2019). Model reduction under motion constraint. [Studies in Systems, Decision and Control](#), 191, 331-369.
197. Olguin-Diaz, E. (2019). Rigid motion. [Studies in Systems, Decision and Control](#), 191, 147-183.
198. Olguin-Diaz, E. (2019). Spacial vectors approach. [Studies in Systems, Decision and Control](#), 191, 273-305.

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

199. Torres, M., Klapp, J., Gitler, I. & Tchernykh, A. (2019). Preface. [Communications in Computer and Information Sciences](#), 948, v-viii.
200. Frixione, E. & Ruiz-Zamarripa, L. (2019). The "scientific catastrophe" in nucleic acids research that boosted molecular biology. [Journal of Biological Chemistry](#), 294(7), 2249-2255.
201. Tiessen, A. (2019). Reply to Kr+ñutler et al on the source of the fluorescent glow of banana fruits. [Plant Science](#), 280, 463-464.
202. Olguin-Diaz, E. (2019). Preface. [Studies in Systems, Decision and Control](#), 191, v-vii.

#### **[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS**

203. Montiel-Jaen, M. G., Monsalvo-Villegas, A. & Avila, G. (2019). Chronic Effects of Aldosterone on Cardiac EC Coupling and Oxidant Stress. [Biophysical Journal](#), 116(3, Supplement 1), 94a.

204. Monsalvo-Villegas, A. & Avila, G. (2019). Double Regulation of Cardiac Excitation-Contraction Coupling and Oxidant Stress by Pirfenidone. [Biophysical Journal](#), *116* (3, Supplement 1), 96a-97a.
205. Villada-Balbuena, M. & Carbajal-Tinoco, M. D. (2019). One-Bead Coarse-Grained Model for RNA 3D Structure with Non-Canonical Interactions. [Biophysical Journal](#), *116*(3, Supplement 1), 353a.
206. Sampieri, R., Thomas, J., Garcia, M. C., Carrillo, E. D., Fuentes, E., Orea, W. & Sanchez, J. A. (2019). Pharmacological and Ischemic Preconditioning Up-Regulate the Expression of Socs in Adult Cardiac Myocytes: Its Physiological Significance. [Biophysical Journal](#), *116*(3, Supplement 1), 97a-98a.
207. De La Rosa, J. A. M., Garcia-Castaneda, M., Nishigaki, T., Gomora, J. C., Mancilla-Percino, T. & Avila, G. (2019). Pore-Blocking Effect of Isoindoline MDIMP on Voltage-Gated Calcium Channels. [Biophysical Journal](#), *116*(3, Supplement 1), 113a-114a.
208. Carbajal-Tinoco, M. D. & Granados-Ramirez, C. G. (2019). A Revised Coarse-Grained Model of Circular Dichroism of Proteins. [Biophysical Journal](#), *116*(3, Supplement 1), 564a.
209. Saldivar, M. P. P., Ordonez, G., Pineda, B., Sotelo, J., Palomo, A. M. & Espinosa, M. (2019). High Cd4+and Cd8+T-Cell Response to Varicella Zoster Virus in Patients With Multiple Sclerosis. [Multiple Sclerosis Journal](#), *25*(1), 150.
210. Gonzalez, O. H., Palomo, A. M., Sotelo, J., Munguia, B. C., Ordonez, G., Pineda, B., Rivera, J. F. & Cantellano, M. E. (2019). Varicella-Zoster Virus in Cerebrospinal Fluid at Relapses of Multiple Sclerosis Is Infective in Vitro. [Multiple Sclerosis Journal](#), *25*(1), 142.

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

211. Carmen, L., Maria, V., Morales-Medina, J. C., Vallelunga, A., Palmieri, B. & Iannitti, T. (2019). Role of proteoglycans and glycosaminoglycans in Duchenne muscular dystrophy. [Glycobiology](#), *29*(2), 110-123.
212. Zapotecas-Martinez, S., Coello, C. A. C., Aguirre, H. E. & Tanaka, K. (2019). A Review of Features and Limitations of Existing Scalable Multiobjective Test Suites. [Ieee Transactions on Evolutionary Computation](#), *23*(1), 130-142.
213. Hernandez-Resendiz, I., Gallardo-Perez, J. C., Lopez-Macay, A., Robledo-Cadena, D. X., Garcia-Villa, E., Gariglio, P., Saavedra, E., Moreno-Sanchez, R. & Rodriguez-Enriquez, S. (2019). Mutant P53(R248q) Downregulates Oxidative Phosphorylation and Upregulates Glycolysis Under Normoxia and Hypoxia in Human Cervix Cancer Cells. [Journal of Cellular Physiology](#), *234*(5), 5524-5536.
214. Hernandez-Aguilar, C., Dominguez-Pacheco, A., Cruz-Orea, A. & Ivanov, R. (2019). Photoacoustic Spectroscopy in the Optical Characterization of Foodstuff: a Review. [Journal of Spectroscopy](#), *2019*, 5920948.
215. Guzman-Guzman, P., Porras-Troncoso, M. D., Olmedo-Monfil, V. & Herrera-Estrella, A. (2019). Trichoderma Species: Versatile Plant Symbionts. [Phytopathology](#), *109*(1), 6-16.

## ARTÍCULOS DEL MES DE MARZO DE 2019

### [ARTÍCULOS A] - ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS INCLUIDAS EN JCR

1. Angulo-Bejarano, P. I., Sharma, A. & Paredes-Lopez, O. (2019). Factors Affecting Genetic Transformation by Particle Bombardment of the Prickly Pear Cactus (*O. Ficus-Indica*). [3 Biotech](#), 9(3), 98.
2. Luna-Aguilar, C. A., Morales-Diaz, A. B., Castelan, M. & Nadeu, C. (2019). Incorporation of acoustic sensors in the regulation of a mobile robot. [Advanced Robotics](#), 33(2), 61-73.
3. Azcorra, H., Rodriguez, L., Banik, S. D., Bogin, B., Varela-Silva, M. I. & Dickinson, F. (2019). Caesarean Birth and Adiposity Parameters in 6-to 8-Year-Old Urban Maya Children From Two Cities of Yucatan, Mexico. [American Journal of Human Biology](#), 31(2), e23217.
4. Rodriguez-Callejas, J. D., Cuervo-Zanatta, D., Rosas-Arellano, A., Fonta, C., Fuchs, E. & Perez-Cruz, C. (2019). Loss of Ferritin-Positive Microglia Relates to Increased Iron, Rna Oxidation, and Dystrophic Microglia in the Brains of Aged Male Marmosets. [American Journal of Primatology](#), 81(2), e22956.
5. Moreno-Pedraza, A., Rosas-Roman, I., Garcia-Rojas, N. S. et al. (2019). Elucidating the Distribution of Plant Metabolites From Native Tissues With Laser Desorption Low-Temperature Plasma Mass Spectrometry Imaging. [Analytical Chemistry](#), 91(4), 2734-2743.
6. Garcia-Perez, O. A., Silva-Navarro, G. & Peza-Solis, J. F. (2019). Flexible-link robots with combined trajectory tracking and vibration control. [Applied Mathematical Modelling](#), 70, 285-298.
7. Serrano-Mireles, J. A. & Garnica-Garza, H. M. (2019). Ion chamber response to kilovoltage x-rays in the presence of a contrast agent. [Applied Radiation and Isotopes](#), 147, 14-20.
8. Maldonado-Ramirez, A. A. & Torres-Mendez, L. A. (2019). A Collaborative Human-Robot Framework for Visual Topological Mapping of Coral Reefs. [Applied Sciences-Basel](#), 9(2), 261.
9. Su, Y., Wang, J., Ma, L., Wang, X., Lin, Q., Coello-Coello, C. A. & Chen, J. (2019). A hybridized angle-encouragement-based decomposition approach for many-objective optimization problems. [Applied Soft Computing](#), 78, 355-372.
10. Sanchez, F. C., Diaz, M. E., Rodriguez, E. M. & Aranda, D. A. (2019). First Use of a Non-Invasive Technique for Determination of Sex Hormones in the Queen Conch *Lobatus Gigas*, Mollusca Gastropoda. [Aquaculture International](#), 27(2), 437-448.
11. Xie, Q., Sun, T., Orozco-Ic, M., Barroso, J., Zhao, Y., Merino, G. & Zhu, J. (2019). Probing Hyperconjugative Aromaticity of Monosubstituted Cyclopentadienes. [Asian Journal of Organic Chemistry](#), 8(1), 123-127.
12. Hernandez-Leon, A., Fernandez-Guasti, A., Martinez, A., Pellicer, F. & Gonzalez-Trujano, M. E. (2019). Sleep architecture is altered in the reserpine-induced fibromyalgia model in ovariectomized rats. [Behavioural Brain Research](#), 364, 383-392.
13. Olivares-Quiroz, L. & Velez-Perez, J. A. (2019). Translocation of non-interacting heteropolymer protein chains in terms of single helical propensity and size. [Biochimica Et Biophysica Acta-Proteins and Proteomics](#), 1867(6), 565-574.



14. Morera-Beita, A., Sanchez, D., Wanek, W., Hofhansl, F., Werner, H., Chacon-Madrigal, E., Montero-Munoz, J. L. & Silla, F. (2019). Beta Diversity and Oligarchic Dominance in the Tropical Forests of Southern Costa Rica. [Biotropica](#), *51*(2), 117-128.
15. Gullias-Canizo, R., Lagunes-Guillen, A., Gonzalez-Robles, A., Sanchez-Guzman, E. & Castro-Munozledo, F. (2019). (-)-Epigallocatechin-3-Gallate, Reduces Corneal Damage Secondary From Experimental Grade Ii Alkali Burns in Mice. [Burns](#), *45*(2), 398-412.
16. Hernandez-Rosete, D. & Estrada-Hipolito, R. (2019). Difficulties Accessing Abortion in Legal Termination Contexts: High School Students' Narratives in a Rural Community in Mexico. [Cadernos De Saude Publica](#), *35*(3), e00046218.
17. Sanchez-Leija, R. J., Lopez-Salas, N., Fierro, J. L. G., Gutierrez, M. C., Ferrer, M. L., Mota-Morales, J. D., Luna-Barcenas, G. & Del Monte, F. (2019). Deep eutectic solvents as active media for the preparation of highly conducting 3D free-standing PANI xerogels and their derived N-doped and N,P-codoped porous carbons. [Carbon](#), *146*, 813-826.
18. Azuara-Medina, P. M., Sandoval-Duarte, A. M., Morales-Lazaro, S. L. et al. (2019). The Intracellular Domain of Beta-Dystroglycan Mediates the Nucleolar Stress Response by Suppressing Ubf Transcriptional Activity. [Cell Death & Disease](#), *10*, 196.
19. Hernandez-Cuevas, N. A., Jhingan, G. D., Petropolis, D., Vargas, M. & Guillen, N. (2019). Acetylation is the most abundant actin modification in Entamoeba histolytica and modifications of actin's amino-terminal domain change cytoskeleton activities. [Cellular Microbiology](#), *21*(4), e12983.
20. Labastida-Ramirez, A., Rubio-Beltran, E., Villalon, C. M. & Maassenvandenbrink, A. (2019). Gender Aspects of Cgrp in Migraine. [Cephalalgia](#), *39*(3), 435-444.
21. Ruiz-Ramirez, J. D., Euan-Avila, J. I. & Rivera-Monroy, V. H. (2019). Vulnerability of Coastal Resort Cities to Mean Sea Level Rise in the Mexican Caribbean. [Coastal Management](#), *47*(1), 23-43.
22. Gonzalez-Vargas, A. M., Serna-Ramirez, J. M., Fory-Aguirre, C., Ojeda-Misses, A., Cardona-Ordenez, J. M., Tombe-Andrade, J. & Soria-Lopez, A. (2019). A Low-Cost, Free-Software Platform With Hard Real-Time Performance for Control Engineering Education. [Computer Applications in Engineering Education](#), *27*(2), 406-418.
23. Reyes-Mendoza, O., Herrera-Silveira, J., Marino-Tapia, I., Enriquez, C. & Largier, J. L. (2019). Phytoplankton Blooms Associated With Upwelling at Cabo Catoche. [Continental Shelf Research](#), *174*, 118-131.
24. Markow, T. A. (2019). Host use and host shifts in Drosophila. [Current Opinion in Insect Science](#), *31*, 139-145.
25. Rodriguez-Aguayo, C., Bayraktar, E., Ivan, C. et al. (2019). Ptger3 Induces Ovary Tumorigenesis and Confers Resistance to Cisplatin Therapy Through up-Regulation Ras-Mapk/Erk-Ets1-Elk1/Cftr1 Axis. [Ebiomedicine](#), *40*, 290-304.
26. Marcial-Medina, C., Ordonez-Moreno, A., Gonzalez-Reyes, C., Cortes-Reynosa, P. & Salazar, E. P. (2019). Oleic Acid Induces Migration Through a Ffar1/4, Egfr and Akt-Dependent Pathway in Breast Cancer Cells. [Endocrine Connections](#), *8*(3), 252-265.
27. Zarate-Toledo, E., Patino, R. & Fraga, J. (2019). Justice, social exclusion and indigenous opposition: A case study of wind energy development on the Isthmus of Tehuantepec, Mexico. [Energy Research & Social Science](#), *54*, 1-11.

28. Merida-Ortega, A., Rothenberg, S. J., Torres-Sanchez, L., Schnaas, L., Hernandez-Alcaraz, C., Cebrian, M. E., Garcia-Hernandez, R. M., Ogaz-Gonzalez, R. & Lopez-Carrillo, L. (2019). Polyunsaturated Fatty Acids and Child Neurodevelopment Among a Population Exposed to Ddt: a Cohort Study. [Environmental Health](#), *18*, 17.
29. Navarrete-Modesto, V., Orozco-Suarez, S., Alonso-Vanegas, M., Feria-Romero, I. A. & Rocha, L. (2019). REST/NRSF transcription factor is overexpressed in hippocampus of patients with drug-resistant mesial temporal lobe epilepsy. [Epilepsy & Behavior](#), *94*, 118-123.
30. Zeferino-Diaz, R., Olivera-Castillo, L., Davalos, A., Grant, G., Kantun-Moreno, N., Rodriguez-Canul, R., Bernes, S., Sandoval-Ramirez, J. & Fernandez-Herrera, M. A. (2019). 22-Oxocholestane oximes as potential anti-inflammatory drug candidates. [European Journal of Medicinal Chemistry](#), *78-86*.
31. Acharya, S., Adamova, D., Adolfsson, J. et al. (2019). Relative Particle Yield Fluctuations in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [European Physical Journal C](#), *79(3)*, 236.
32. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for a Heavy Resonance Decaying to a Top Quark and a Vector-Like Top Quark in the Lepton Plus Jets Final State in Pp Collisions at Root S=13 Tev. [European Physical Journal C](#), *79(3)*, 208.
33. Gomez-Aldapa, C. A., Castro-Rosas, J., Rangel-Vargas, E., Navarro-Cortez, R. O., Cabrera-Canales, Z. E., Diaz-Batalla, L., Martinez-Bustos, F., Guzman-Ortiz, F. A. & Falfan-Cortes, R. N. (2019). A modified Achira (*Canna indica* L.) starch as a wall material for the encapsulation of Hibiscus sabdariffa extract using spray drying. [Food Research International](#), *119*, 547-553.
34. Polo-Castillo, L. E., Villavicencio, M., Ramirez-Lugo, L., Illescas-Huerta, E., Moreno, M. G., Ruiz-Huerta, L., Gutierrez, R., Sotres-Bayon, F. & Caballero-Ruiz, A. (2019). Reimplantable Microdrive for Long-Term Chronic Extracellular Recordings in Freely Moving Rats. [Frontiers in Neuroscience](#), *13*, 128.
35. Zeferino-Diaz, R., Hilario-Martinez, J. C., Sanchez-Cantu, M., Fernandez-Herrera, M. A. & Sandoval-Ramirez, J. (2019). Streamlining routine organic chemistry reactions by the employment of high shear mixers. [Green Chemistry](#), *21(6)*, 1417-1420.
36. Menchaca-Mendez, A., Montero, E., Antonio, L. M., Zapotecas-Martinez, S., Coello, C. A. & Riff, M. C. (2019). A Co-Evolutionary Scheme for Multi-Objective Evolutionary Algorithms Based on Epsilon-Dominance. [Ieee Access](#), *7*, 18267-18283.
37. Razvarz, S., Vargas-Jarillo, C., Jafari, R. & Gegov, A. (2019). Flow Control of Fluid in Pipelines Using Pid Controller. [Ieee Access](#), *7*, 25673-25680.
38. Pizano-Escalante, L., Longoria-Gandara, O., Pena-Campos, F. & Parra-Michel, R. (2019). Simulation Model to Predict Ber Based on S-Parameters of High-Speed Interconnects. [Ieee Design & Test](#), *36(1)*, 31-39.
39. Lastra, G., Balderrama, V. S., Resendiz, L., Pallares, J., Marsal, L. F., Cabrera, V. & Estrada, M. (2019). Air Environment Degradation of a High-Performance Inverted Ptb7-Th:Pc70bm Solar Cell. [Ieee Journal of Photovoltaics](#), *9(2)*, 464-468.
40. Macdonald-Ramos, K., Arenas-Hernandez, M., Mancilla-Herrera, I., Rangel-Escareno, C. & Vega-Sanchez, R. (2019). A Trypsin-Based Method for Isolating Leukocytes From Human Choriondecidua Suitable for Immunophenotyping and Transcriptome Studies. [Immunobiology](#), *224(1)*, 177-181.

41. Sanchez, A., Hernandez-Sanchez, P. & Puente, R. (2019). Hydration of Lignocellulosic Biomass. Modelling and Experimental Validation. [Industrial Crops and Products](#), 131, 70-77.
42. Ferreiro, E. (2019). Research Perspectives in Beginning Literacy. Methodological and Epistemic Dichotomies. [Infancia Y Aprendizaje](#), 42(1), 1-36.
43. Guzman-Albores, J. M., Ramirez-Merchant, M. L., Interiano-Santos, E. C. et al. (2019). Metabolomic and Proteomic Analysis of Moringa Oleifera Cultivated With Vermicompost and Phosphate Rock Under Water Stress Conditions. [International Journal of Agriculture and Biology](#), 21(4), 786-794.
44. Tirado-Mendez, J. A., Martinez-Lara, D., Jardon-Aguilar, H., Flores-Leal, R. & Andrade-Gonzalez, E. A. (2019). Inscribed Fibonacci Circle Fractal in a Circular Radiator for Ultra-Wideband Antenna Operation and Size Reduction. [International Journal of Antennas and Propagation](#), 2019, 6393401.
45. Valdes-Rives, S. A., De la Fuente-Granada, M., Velasco-Velazquez, M. A., Gonzalez-Flores, O. & Gonzalez-Arenas, A. (2019). LPA1 receptor activation induces PKC alpha nuclear translocation in glioblastoma cells. [International Journal of Biochemistry & Cell Biology](#), 110, 91-102.
46. Mendoza-Rodriguez, M. G., Ayala-Sumuano, J. T., Garcia-Morales, L., Zamudio-Meza, H., Perez-Yepez, E. A. & Meza, I. (2019). Il-1 Beta Inflammatory Cytokine-Induced Tp63 Isoform Delta Np63 Alpha Signaling Cascade Contributes to Cisplatin Resistance in Human Breast Cancer Cells. [International Journal of Molecular Sciences](#), 20(2), 270.
47. Juarez-Maldonado, A., Ortega-Ortiz, H., Morales-Diaz, A. B., Gonzalez-Morales, S., Morelos-Moreno, A., Cabrera-De La Fuente, M., Sandoval-Rangel, A., Cadenas-Pliego, G. & Benavides-Mendoza, A. (2019). Nanoparticles and Nanomaterials as Plant Biostimulants. [International Journal of Molecular Sciences](#), 20(1), 162.
48. Azevedo, V. F., Babini, A., Caballero-Urbe, C. V., Castaneda-Hernandez, G., Borlenghi, C. & Jones, H. E. (2019). Practical Guidance on Biosimilars, With a Focus on Latin America What Do Rheumatologists Need to Know? [Jcr-Journal of Clinical Rheumatology](#), 25(2), 91-100.
49. Vazquez-Carrillo, M. G., Santiago-Ramos, D. & Figueroa-Cardenas, J. D. (2019). Kernel properties and popping potential of Chapalote, a Mexican ancient native maize. [Journal of Cereal Science](#), 86, 69-76.
50. Solis, C. U., Clempner, J. B. & Poznyak, A. S. (2019). Continuous-time gradient-like descent algorithm for constrained convex unknown functions: Penalty method application. [Journal of Computational and Applied Mathematics](#), 355, 268-282.
51. Diaz-Hernandez, O., Ramirez-Alvarez, E., Flores-Rosas, A., Enriquez-Flores, C. I., Santillan, M., Padilla-Longoria, P. & Santos, G. J. E. (2019). Amplitude Death Induced by Intrinsic Noise in a System of Three Coupled Stochastic Brusselators. [Journal of Computational and Nonlinear Dynamics](#), 14(4), 041004.
52. Aab, A., Abreu, P., Aglietta, M. et al. (2019). Measurement of the Average Shape of Longitudinal Profiles of Cosmic-Ray Air Showers at the Pierre Auger Observatory. [Journal of Cosmology and Astroparticle Physics](#), (3), 018.
53. Elyukhin, V. A. (2019). Spinodal decomposition ranges of bismide semiconductor alloys. [Journal of Crystal Growth](#), 515, 53-57.

54. Zuniga-Mayo, V. M., Gomez-Felipe, A., Herrera-Ubaldo, H. & De Folter, S. (2019). Gynoecium Development: Networks in Arabidopsis and Beyond. [Journal of Experimental Botany](#), *70*(5), 1447-1460.
55. Perez-Gonzalez, A., Badillo-Olvera, A., Begovich, O. & Ruiz-Leon, J. (2019). Calibration Zone for the Parameters of the Differential Evolution Algorithm and Its Application to a Real Burst Location Problem. [Journal of Fluids Engineering-Transactions of the Asme](#), *141*(5), 051402.
56. Lopez-Morales, C. A., Vazquez-Leyva, S., Vallejo-Castillo, L. et al. (2019). Determination of Peptide Profile Consistency and Safety of Collagen Hydrolysates as Quality Attributes. [Journal of Food Science](#), *84*(3), 430-439.
57. Galeana-Sanchez, H. & Hernandez-Cruz, C. (2019). A dichotomy for the kernel by H-walks problem in digraphs. [Journal of Graph Theory](#), *90*(3), 213-226.
58. Guerrero, P. C., Majure, L. C., Cornejo-Romero, A. & Hernandez-Hernandez, T. (2019). Phylogenetic Relationships and Evolutionary Trends in the Cactus Family. [Journal of Heredity](#), *110*(1), 4-21.
59. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Event-Shape Engineering for the D-Meson Elliptic Flow in Mid-Central Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV. [Journal of High Energy Physics](#), *(2)*, 150.
60. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurements of  $T(T)\text{Over-Bar}$  Differential Cross Sections in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV Using Events Containing Two Leptons. [Journal of High Energy Physics](#), *(2)*, 149.
61. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for new particles decaying to a jet and an emerging jet. [Journal of High Energy Physics](#), *2019*(2), 179.
62. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for New Physics in Final States With a Single Photon and Missing Transverse Momentum in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV. [Journal of High Energy Physics](#), *(2)*, 74.
63. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for  $T(T)\text{Over-Bar}$  Production in the  $H \rightarrow B(B)\text{Over-Bar}$  Decay Channel With Leptonic  $T(T)\text{Over-Bar}$  Decays in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV. [Journal of High Energy Physics](#), *(3)*, 26.
64. Garcia-Rodriguez, R. & Parra-Vega, V. (2019). Pose Regulation of a Constrained Circular Object Using Echo State Networks. [Journal of Intelligent & Fuzzy Systems](#), *36*(1), 583-594.
65. Martinez-Landeros, V. H., Vargas-Islas, S. Y., Cruz-Gonzalez, C. E., Barrera, S., Mourtazov, K. & Ramirez-Bon, R. (2019). Studies on the influence of surface treatment type, in the effectiveness of structural adhesive bonding, for carbon fiber reinforced composites. [Journal of Manufacturing Processes](#), *39*, 160-166.
66. Granada-Ramirez, D. A., Arias-Ceron, J. S., Gomez-Herrera, M. L., Luna-Arias, J. P., Perez-Gonzalez, M., Tomas, S. A., Rodriguez-Fragoso, P. & Mendoza-Alvarez, J. G. (2019). Effect of the Indium Myristate Precursor Concentration on the Structural, Optical, Chemical Surface, and Electronic Properties of Inp Quantum Dots Passivated With Zns. [Journal of Materials Science-Materials in Electronics](#), *30*(5), 4885-4894.
67. Montejo-Alvaro, F., Oliva, J., Zarate, A., Herrera-Trejo, M., Hdz-Garcia, H. M. & Mtz-Enriquez, A. I. (2019). Sputtered transparent conducting graphene films on iron oxide coated glass. [Journal of Materials Science: Materials in Electronics](#), *30*(4), 4310-4317.

68. Dominguez-Corella, A. & Hernandez-Lerma, O. (2019). The maximum principle for discrete-time control systems and applications to dynamic games. [Journal of Mathematical Analysis and Applications](#), 475(1), 253-277.
69. Huang, F. Y., Del-Rio-Navarro, B. E., Leija-Martinez, J. et al. (2019). Effect of Omega-3 Fatty Acids Supplementation Combined With Lifestyle Intervention on Adipokines and Biomarkers of Endothelial Dysfunction in Obese Adolescents With Hypertriglyceridemia. [Journal of Nutritional Biochemistry](#), 64, 162-169.
70. Reyna-Madrigal, A., Ortiz-Pastrana, N. & Paz-Sandoval, M. A. (2019). Cyclooctadiene Iridium Complexes With Phosphine and Pentadienyl Ligands. [Journal of Organometallic Chemistry](#), 886, 13-26.
71. Quintero-Monsebaiz, R., Mitxelena, I., Rodriguez-Mayorga, M., Vela, A. & Piris, M. (2019). Natural Orbital Functional for Spin-Polarized Periodic Systems. [Journal of Physics-Condensed Matter](#), 31(16), 165501.
72. Jarret, R. L., Barboza, G. E., Batista, F. R. D. et al. (2019). Capsicum-an Abbreviated Compendium. [Journal of the American Society for Horticultural Science](#), 144(1), 3-22.
73. Martinez-Flores, R., Canto-Aguilar, E. J., Rodriguez-Gattorno, G., Oskam, G., Meneses-Rodriguez, D. & Ruiz-Gomez, M. A. (2019). Inkjet-Printed Reduced Graphene Oxide (Rgo) Films for Electrocatalytic Applications. [Journal of the Electrochemical Society](#), 166(5), H3279-H3285.
74. Munoz-Vazquez, A. J., Sanchez-Torres, J. D., Gutierrez-Alcala, S., Jimenez-Rodriguez, E. & Loukianov, A. G. (2019). Predefined-Time Robust Contour Tracking of Robotic Manipulators. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), 356(5), 2709-2722.
75. Reyes-Reyes, M., Salazar-Montoya, J. A., Rodriguez-Paez, L. I. & Ramos-Ramirez, E. G. (2019). In vitro fermentation of oligosaccharides obtained from enzymatic hydrolysis of *Opuntia streptacantha* mucilage. [Journal of the Science of Food and Agriculture](#), 99(6), 2883-2891.
76. Falcony, C. & Balderas, J. U. (2019). On the use of organic ligands to sensitize inorganic phosphors for ultraviolet, visible, and infrared light harvesting. [Journal of Vacuum Science and Technology B-Nanotechnology and Microelectronics](#), 37(2), 028501.
77. Sandoval-Gio, J. J., Rodriguez-Canul, R. P., Vidal-Martinez, V. M., Fajer-Avila, E. J. & Amendola-Pimenta, M. (2019). Formalin Toxicity to *Oreochromis niloticus*; Its Effectiveness Against *Cichlidogyrus* Spp. And Host Stress Response. [Latin American Journal of Aquatic Research](#), 47(1), 34-41.
78. Acuna-Soto, C. M., Liern, V. & Perez-Gladish, B. (2019). A Vikor-Based Approach for the Ranking of Mathematical Instructional Videos. [Management Decision](#), 57(2), 501-522.
79. Plisson, F. & Piggott, A. M. (2019). Predicting Blood-Brain Barrier Permeability of Marine-Derived Kinase Inhibitors Using Ensemble Classifiers Reveals Potential Hits for Neurodegenerative Disorders. [Marine Drugs](#), 17(2), 81.
80. Salas, S., Torres-Irinea, E. & Coronado, E. (2019). Towards a metier-based assessment and management approach for mixed fisheries in Southeastern Mexico. [Marine Policy](#), 103, 148-159.
81. Andrade-Guel, M., Cabello-Alvarado, C., Cruz-Delgado, V. J., Bartolo-Perez, P., De Leon-Martinez, P. A., Saenz-Galindo, A., Cadenas-Pliego, G. & Avila-Orta, C. A. (2019). Surface modification of graphene nanoplatelets by organic acids and ultrasonic radiation for enhance uremic toxins adsorption. [Materials](#), 12(5), 715.

82. Verduzco, L. E., Oliva, J., Oliva, A. I., Macias, E., Garcia, C. R., Herrera-Trejo, M., Pariona, N. & Mtz-Enriquez, A. I. (2019). Enhanced removal of arsenic and chromium contaminants from drinking water by electrodeposition technique using graphene composites. [Materials Chemistry and Physics](#), *229*, 197-209.
83. Garcia-Lobato, M. A., Garcia, C. R., Mtz-Enriquez, A. I., Lopez-Badillo, C. M., Garcias-Morales, C., Muzquiz-Ramos, E. M. & Cruz-Ortiz, B. R. (2019). Enhanced electrochromic performance of NiO-MWCNTs thin films deposited by electrostatic spray deposition. [Materials Research Bulletin](#), *114*, 95-100.
84. Gutierrez-Castaneda, E. J., Palafox-Cantu, C. N., Torres-Castillo, A. A., Salinas-Rodriguez, A., Deaquino-Lara, R., Botello-Rionda, F., Marquez-Torres, F. & Garcia-Guillermo, S. (2019). Columnar grain growth during annealing prior to cold rolling of non-oriented electrical steels. [Materials Science and Engineering B-Advanced Functional Solid-State Materials](#), *243*, 8-18.
85. Campos, S. E. & DeLuna, A. (2019). Functional genomics of dietary restriction and longevity in yeast. [Mechanisms of Ageing and Development](#), *179*, 36-43.
86. Rivera, N. M. T., Torres, J. & Valdes, A. F. (2019). A-242 Aluminium Alloy Foams Manufacture From the Recycling of Beverage Cans. [Metals](#), *9*(1), 92.
87. Davila, O. F., Torres, J. & Valdes, A. F. (2019). Effect of Mg Concentration on the Aluminothermic Reduction of Mn<sub>2</sub>O<sub>3</sub> Particles Obtained From Cathodes of Discharged Alkaline Batteries: Mathematical Modeling and Experimental Results. [Metals](#), *9*(1), 49.
88. Torres-Merino, S., Moreno-Sandoval, H. N., Thompson-Bonilla, M. D., Leon, J. A. O., Gomez-Conde, E., Leon-Chavez, B. A., Martinez-Fong, D. & Gonzalez-Barrios, J. A. (2019). Association Between Rs3833912/Rs16944 Snps and Risk for Cerebral Palsy in Mexican Children. [Molecular Neurobiology](#), *56*(3), 1800-1811.
89. Olivares-Banuelos, T., Gutierrez-Rodriguez, A. G., Mendez-Bellido, R. et al. (2019). Brown Seaweed *Egregia menziesii*'s Cytotoxic Activity against Brain Cancer Cell Lines. [Molecules](#), *24*(2), 260.
90. Ramirez-Herrera, C. A., Gonzalez, H., De La Torre, F., Benitez, L., Cabanas-Moreno, J. G. & Lozano, K. (2019). Electrical Properties and Electromagnetic Interference Shielding Effectiveness of Interlayered Systems Composed by Carbon Nanotube Filled Carbon Nanofiber Mats and Polymer Composites. [Nanomaterials](#), *9*(2), 238.
91. Dong, X., Jalife, S., Vasquez-Espinal, A. et al. (2019). Li<sub>2</sub>B<sub>24</sub>: the Simplest Combination for a Three-Ring Boron Tube. [Nanoscale](#), *11*(5), 2143-2147.
92. Chung, Y., Zhu, Y., Wu, M. F. et al. (2019). Auxin Response Factors Promote Organogenesis by Chromatin-Mediated Repression of the Pluripotency Gene *Shootmeristemless*. [Nature Communications](#), *10*, 886.
93. Gonzalez, J., Mendioroz, A., Sommier, A., Batsale, J. C., Pradere, C. & Salazar, A. (2019). Fast sizing of the width of infinite vertical cracks using constant velocity Flying-Spot thermography. [Ndt & E International](#), *103*, 166-172.
94. Olivares-Banuelos, T. N., Martinez-Hernandez, I., Hernandez-Kelly, L. C., Chi-Castaneda, D., Vega, L. & Ortega, A. (2019). The neurotoxin diethyl dithiophosphate impairs glutamate transport in cultured Bergmann glia cells. [Neurochemistry International](#), *123*, 77-84.
95. Garcia, G., Gutierrez-Lara, E. J., Centurion, D., Granados-Soto, V. & Murbartian, J. (2019). Fructose-Induced Insulin Resistance as a Model of Neuropathic Pain in Rats. [Neuroscience](#), *404*, 233-245.

96. Hernandez-Frausto, M., Lopez-Rubalcava, C. & Galvan, E. J. (2019). Progressive Alterations in Synaptic Transmission and Plasticity of Area CA1 Precede the Cognitive Impairment Associated with Neonatal Administration of MK-801. [Neuroscience](#), 404, 205-217.
97. Cruz, S. L., Torres-Flores, M. & Galvan, E. J. (2019). Repeated toluene exposure alters the synaptic transmission of layer 5 medial prefrontal cortex. [Neurotoxicology and Teratology](#), 73, 9-14.
98. Izazaga, R., Aguirre-Aguirre, D. & Villalobos-Mendoza, B. (2019). Off-Axis Conic Surfaces: Interferogram Simulation Algorithm and Its Use in Stressed Mirror Polishing. [Optics and Laser Technology](#), 112, 284-291.
99. Cerecedo, A. C. (2019). Amidst Exclusion, Promise, and Violence: Rural Normal School Students in Mexico and the Disappearance of 43. [Paedagogica Historica](#), 55(1), 166-182.
100. Barragan-Iglesias, P., Kuhn, J., Vidal-Cantu, G. C., Salinas-Abarca, A. B., Granados-Soto, V., Dussor, G. O., Campbell, Z. T. & Price, T. J. (2019). Activation of the integrated stress response in nociceptors drives methylglyoxal-induced pain. [Pain](#), 160(1), 160-171.
101. Morales-Rubio, R. A., Alvarado-Cruz, I., Manzano-Leon, N., Andrade-Oliva, M. D., Uribe-Ramirez, M., Quintanilla-Vega, B., Osornio-Vargas, A. & De Vizcaya-Ruiz, A. (2019). In Utero Exposure to Ultrafine Particles Promotes Placental Stress-Induced Programming of Renin-Angiotensin System-Related Elements in the Offspring Results in Altered Blood Pressure in Adult Mice. [Particle and Fibre Toxicology](#), 16, 7.
102. Matsumoto, Y., Asahi, S., Kita, T. et al. (2019). Luminescence study of Si/SiC nano-particles embedded in SiOxCy matrix deposited using O-Cat-CVD. [Physica E: Low-Dimensional Systems and Nanostructures](#), 111, 179-184.
103. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Direct Photon Production at Low Transverse Momentum in Proton-Proton Collisions at Root S=2.76 And 8 Tev. [Physical Review C](#), 99(2), 024912.
104. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Search for Long-Lived Particles Decaying Into Displaced Jets in Proton-Proton Collisions at Root S=13 Tev. [Physical Review D](#), 99(3), 032011.
105. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Search for Pair Production of Second-Generation Leptoquarks at Root S=13 Tev. [Physical Review D](#), 99(3), 032014.
106. Acharya, S., Adamova, D., Adolphsson, J. et al. (2019). Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in P-Pb Collisions at Root S(Nn)=5.02 Tev. [Physical Review Letters](#), 122(7), 072301.
107. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Search for Narrow H Gamma Resonances in Proton-Proton Collisions at Root S=13 Tev. [Physical Review Letters](#), 122( 8), 081804.
108. Acharya, S., Torres-Acosta, F., Adamova, D. et al. (2019). Centrality and Pseudorapidity Dependence of the Charged-Particle Multiplicity Density in Xe-Xe Collisions at Root S(Nn)=5.44 Tev. [Physics Letters B](#), 790, 35-48.
109. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Measurement of Nuclear Modification Factors of Gamma(1s), Gamma(2s), and Gamma(3s) Mesons in Pbpb Collisions at Root S(Nn)=5.02 Tev. [Physics Letters B](#), 790, 270-293.
110. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Measurement of Prompt Psi(2s) Production Cross Sections in Proton-Lead and Proton-Proton Collisions at Root S(Nn)=5.02 Tev. [Physics Letters B](#), 790, 509-532.

111. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at root s=13TeV. [Physics Letters B, 791](#), 96-129.
112. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at root sNN = 8.16 TeV. [Physics Letters B, 791](#), 172-194.
113. Sirunyan, A. M., Tumasyan, A. , Adam, W. et al. (2019). Search for Supersymmetric Partners of Electrons and Muons in Proton-Proton Collisions at Root S=13 Tev. [Physics Letters B, 790](#), 140-166.
114. Camarena-Pozos, D. A., Flores-Nunez, V. M., Lopez, M. G., Lopez-Bucio, J. & Partida-Martinez, L. P. (2019). Smells from the desert: Microbial volatiles that affect plant growth and development of native and non-native plant species. [Plant Cell and Environment, 42\(4\)](#), 1368-1380.
115. Gao, P., Xiang, D. Q., Quilichini, T. D., Venglat, P., Pandey, P. K., Wang, E., Gillmor, C. S. & Datla, R. (2019). Gene Expression Atlas of Embryo Development in Arabidopsis. [Plant Reproduction, 32\(1\)](#), 93-104.
116. Mendez-Bravo, A., Ruiz-Herrera, L. F., Cruz-Ramirez, A., Guzman, P., Martinez-Trujillo, M., Ortiz-Castro, R. & Lopez-Bucio, J. (2019). Constitutive Triple Response1 and Pin2 Act in a Coordinate Manner to Support the Indeterminate Root Growth and Meristem Cell Proliferating Activity in Arabidopsis Seedlings. [Plant Science, 280](#), 175-186.
117. Aguilera, A., Armendariz, C., Quintana, P., Garcia-Oliva, F. & Bautista, F. (2019). Influence of Land Use and Road Type on the Elemental Composition of Urban Dust in a Mexican Metropolitan Area. [Polish Journal of Environmental Studies, 28\(3\)](#), 1535-1547.
118. Rojo-Gomez, E. G., Munguia-Lara, A. I., Gonzalez-Abrego, D. O. et al. (2019). Reactivity and Structural Patterns of Phenylphosphines in Acetylene and Acetylide Carbonyl Trinuclear Ruthenium Clusters. [Polyhedron, 161](#), 251-260.
119. Lopez-Rocha, J. A. & Velazquez-Abunader, I. (2019). Fast decline of the sea cucumber *Isostichopus badionotus* as a consequence of high exploitation in Yucatan, Mexico. [Regional Studies in Marine Science, 27](#), 100547.
120. Abraham-Juarez, M. D., Olalde-Portugal, V., Ceron-Garcia, A. & Sosa-Morales, M. E. (2019). Hot Air Drying Kinetics of Thin Layers of Prickly Pear Fruit Paste. [Sains Malaysiana, 48\(2\)](#), 361-367.
121. Juarez-Hernandez, E. O., Casados-Vazquez, L. E., Briebe, L. G., Torres-Larios, A., Jimenez-Sandoval, P. & Barboza-Corona, J. E. (2019). The Crystal Structure of the Chitinase Chia74 of *Bacillus Thuringiensis* Has a Multidomain Assembly. [Scientific Reports, 9](#), 2591.
122. Fernandez-Benavides, D. A., Cervera-Chiner, L., Jimenez, Y., De Fuentes, O. A., Montoya, A. & Munoz-Saldana, J. (2019). A Novel Bismuth-Based Lead-Free Piezoelectric Transducer Immunosensor for Carbaryl Quantification. [Sensors and Actuators B-Chemical, 285](#), 423-430.
123. Curiel-Yuste, J., Flores-Renteria, D., Garcia-Angulo, D., Heres, A. M., Braga, C., Petritan, A. M. & Petritan, I. C. (2019). Cascading effects associated with climate-change-induced conifer mortality in mountain temperate forests result in hot-spots of soil CO2 emissions. [Soil Biology & Biochemistry, 133](#), 50-59.
124. Cerdeira, A., Estrada, M., Hernandez-Barrios, Y., Hernandez, I. & Iniguez, B. (2019). Full capacitance model, considering the specifics of amorphous oxide semiconductor thin film transistors structures. [Solid-State Electronics, 156](#), 16-22.



125. Mondragon-Rodriguez, G. C., Chipatecua-Godoy, Y., Camacho, N., Espinosa-Arbelaez, D. G., Gonzalez-Carmona, J. M., Gonzalez-Hernandez, J. & Alvarado-Orozco, J. M. (2019). Effect of Thermal Treatments in High Purity Ar on the Oxidation and Tribological Behavior of Arc-Pvd C-Al<sub>0.66</sub>ti<sub>0.33</sub>n Coatings. [Surface & Coatings Technology](#), *362*, 44-56.
126. Fernandez, E., Navarro, J., Solares, E. & Coello-Coello, C. (2019). A novel approach to select the best portfolio considering the preferences of the decision maker. [Swarm and Evolutionary Computation](#), *46*, 140-153.
127. Montejo-Alvaro, F., Oliva, J., Herrera-Trejo, M., Hdz-Garcia, H. M. & Mtz-Enriquez, A. I. (2019). Dft Study of Small Gas Molecules Adsorbed on Undoped and N-, Si-, B-, and Al-Doped Graphene Quantum Dots. [Theoretical Chemistry Accounts](#), *138*(3), 37.
128. Hernandez-Calderon, V., Vigil-Galan, O., Pulgarin-Agudelo, F. A., Courel, M., Arce-Plaza, A., Cruz-Gandarilla, F., Sanchez-Rodriguez, F. J. & De la Puente, J. R. (2019). Optimization of CdxZn1-xS compound from CdS/ZnS bi-layers deposited by chemical bath deposition for thin film solar cells application. [Thin Solid Films](#), *676*, 100-107.
129. Plata, E., Montiel, S., Fraga, J. & Evia, C. (2019). Sociocultural Importance of Dogs (Canis Lupus Familiaris) in Maya Subsistence Hunting: Revelations From Their Participation in the Traditional Group Hunting (Batida) in Yucatan. [Tropical Conservation Science](#), *12*, 1-11.
130. Reyes-Ruiz, J. M., Osuna-Ramos, J. F., Bautista-Carbajal, P. et al. (2019). Mosquito cells persistently infected with dengue virus produce viral particles with host-dependent replication. [Virology](#), *531*, 1-18.

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

131. Jafari, R., Razvarz, S. & Gegov, A. (2019). Fuzzy Differential Equations for Modeling and Control of Fuzzy Systems. [Advances in Intelligent Systems and Computing](#), *896*, 732-740.
132. Jafari, R., Razvarz, S. & Gegov, A. (2019). A Novel Technique to Solve Fully Fuzzy Nonlinear Matrix Equations. [Advances in Intelligent Systems and Computing](#), *896*, 886-892.
133. Castaneda, A. (2019). Mobile Devices for the Study of Linear Functions. [Atenas](#), *2*(46), 94-110.
134. Gutierrez-Jimenez, J., Luna-Cazares, L. M., Cruz, L. M. et al. (2019). Children from a rural region in The Chiapas Highlands, Mexico, show an increased risk of stunting and intestinal parasitoses when compared with urban children. [Boletin Medico Del Hospital Infantil De Mexico](#), *76*(1), 18-26.
135. Palmerin-Carreno, D. M., Hernandez-Orihuela, A. L. & Martinez-Antonio, A. (2019). Production of D-lactate from avocado seed hydrolysates by metabolically engineered Escherichia coli JU15. [Fermentation](#), *5*(1), 26.
136. Manzanilla, A., Reyes, S., Garcia, M., Mercado, D. & Lozano, R. (2019). Autonomous Navigation for Unmanned Underwater Vehicles: Real-Time Experiments Using Computer Vision. [Ieee Robotics and Automation Letters](#), *4*(2), 1351-1356.
137. Guerrero, P. D. H., Mata, L. M. M., Madrigal, P. B. & Criollo, J. J. M. (2019). Production and economic analysis of a pop-up farm in Mexico city. [International Journal of Design and Nature and Ecodynamics](#), *14*(1), 41-51.

138. Heil, M. & Vega-Munoz, I. (2019). Nucleic Acid Sensing in Mammals and Plants: Facts and Caveats. [International Review of Cell and Molecular Biology](#), 345, 225-285.
139. Falcon-Cardona, J. G., Coello-Coello, C. A. & Emmerich, M. (2019). CRI-EMOA: A pareto-front shape invariant evolutionary multi-objective algorithm. [Lecture Notes in Computer Science](#), 11411, 307-318.
140. Camacho, A., Toscano, G., Landa, R. & Ishibuchi, H. (2019). Indicator-based weight adaptation for solving many-objective optimization problems. [Lecture Notes in Computer Science](#), 11411, 216-228.
141. Cuate, O., Uribe, L., Ponsich, A., Lara, A., Beltran, F., Sanchez, A. R. & Schutze, O. (2019). A new hybrid metaheuristic for equality constrained bi-objective optimization problems. [Lecture Notes in Computer Science](#), 11411, 53-65.
142. Cuate, O. & Schutze, O. (2019). Variation rate: An alternative to maintain diversity in decision space for multi-objective evolutionary algorithms. [Lecture Notes in Computer Science](#), 11411, 203-215.
143. Martinez Nunez, M., De Folter, S. & Rosas-Cardenas, F. F. (2019). Detection of miRNAs by tissue printing and dot blot hybridization. [Methods in Molecular Biology](#), pp. 151-157.
144. Leon-Martinez, G., Demesa-Arevalo, E. & Vielle-Calzada, J. P. (2019). Immunolocalization to study ARGONAUTE proteins in developing ovules of the brassicaceae. [Methods in Molecular Biology](#), 1932, 335-345.
145. Gomez-Felipe, A. & De Folter, S. (2019). A simple protocol for imaging floral tissues of arabidopsis with confocal microscopy. [S. Methods in Molecular Biology](#), 1932, 187-195.
146. Trujillo-Caceres, S. J., Torres-Sanchez, L., Burguete-Garcia, A. I. , Orbe-Orihuela, Y. C., Vazquez-Salas, R. A., Alvarez-Topete, E. & Gomez, R. (2019). Contribution of MSMB promoter region gene polymorphism to early-onset prostate cancer risk in Mexican males. [Oncotarget](#), 10(7), 738-748.
147. Camas-Reyes, A., Laguna-Ramirez, R., Jofre-Garfias, A. E., Cardoso-Martinez, F., Hernandez-Orihuela, A. L., Molina-Torres, J. & Martinez-Antonio, A. (2019). E. coli cultures expressing a synthetic sequence of ptz gene (stz) promoted in vitro direct organogenesis in Nicotiana tabacum L. [Plant Cell, Tissue and Organ Culture](#), 137(1), 87-100.
148. Gutierrez-Pavon, J. & Pacheco, C. G. (2019). Inverting Weak Random Operators. [Random Operators and Stochastic Equations](#), 27(1), 53-63.
149. Rodriguez, J. A. M., Porchia, L. M., Camargo, F. & Lopez-Bayghen, E. (2019). The Use of Insulin-Like Growth Factor 1 Improved the Parameters of the Seminogram in a Patient With Severe Oligoasthenoteratozoospermia. [Sage Open Medical Case Reports](#), 7, 1-4.
150. Enriquez-Zarate, J., Trujillo, L., Hernandez, C. & Sanchez, C. N. (2019). Optimal design of sliding mode control combined with positive position feedback. [Studies in Computational Intelligence](#), 785, 187-199.

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

151. Muriel, P. (2019). Fighting Liver Fibrosis to Reduce Mortality Associated With Chronic Liver Diseases: the Importance of New Molecular Targets and Biomarkers. [Ebiomedicine](#), *40*, 35-36.
152. Markow, T. A. (2019). Ecological and Evolutionary Genomics: the Cactophilic Drosophila Model System. [Journal of Heredity](#), *110*(1), 1-3.
153. Lalle, M., Grinberg, A. & Ortega-Pierres, G. (2019). Editors' commentary on the special issue on the "VI International Giardia and Cryptosporidium Conference (VI IGCC)". [Experimental Parasitology](#), *199*, 38-39.
154. Valadez-Villalobos, K., Idigoras, J., Delgado, L. P., Meneses-Rodriguez, D., Anta, J. A. & Oskam, G. (2019). Correlation Between the Effectiveness of the Electron-Selective Contact and Photovoltaic Performance of Perovskite Solar Cells. [Journal of Physical Chemistry Letters](#), *10*(4), 877-882.
155. De Folter, S. (2019). Preface. [Methods in Molecular Biology](#), 1932, v.
156. Corzo, N. V., Raskop, J., Chandra, A., Sheremet, A. S., Gouraud, B. & Laurat, J. (2019). Waveguide-Coupled Single Collective Excitation of Atomic Arrays. [Nature](#), *566*(7744), 359-+.

**[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS**

157. Banik, S. D., Ontiveros, A. I. N. & Gonzalez, R. M. M. (2019). Association of Serum Triglyceride to Hdl Cholesterol Ratio With Body Fatness and Insulin Level Among Young Adults From Merida, Mexico. [American Journal of Human Biology](#), *31*(2).
158. Nieves-Colon, M. A., Rawls, E., Obregon-Tito, A. et al. (2019). The Genomic Landscape of the Peruvian Andes. [American Journal of Physical Anthropology](#), *168*, 176.
159. Banik, S. D., Ontiveros, A. I. N. & Gonzalez, R. M. M. (2019). Metabolic Syndrome in Urban Young Adults From Merida, Mexico Authors. [American Journal of Physical Anthropology](#), *168*, 53.
160. Frederich, B., Aguilar-Medrano, R. & Gajdzik, L. (2019). Generalist Feeding Guilds in Reef Fishes: Macroevoolutionary Sink or Future Source of Diversity? [Integrative and Comparative Biology](#), *59*, E74.

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

161. Del Prado-Audelo, M. L., Caballero-Floran, I. H., Meza-Toledo, J. A., Mendoza-Munoz, N., Gonzalez-Torres, M., Florian, B., Cortes, H. & Leyva-Gomez, G. (2019). Formulations of Curcumin Nanoparticles for Brain Diseases. [Biomolecules](#), *9*(2), 56.
162. Scheckhuber, C. Q. (2019). Studying the Mechanisms and Targets of Glycation and Advanced Glycation End-Products in Simple Eukaryotic Model Systems. [International Journal of Biological Macromolecules](#), *127*, 85-94.

163. Weiskirchen, R., Weiskirchen, S., Kim, P. & Winkler, R. (2019). Software Solutions for Evaluation and Visualization of Laser Ablation Inductively Coupled Plasma Mass Spectrometry Imaging (La-Icp-Msi) Data: a Short Overview. [Journal of Cheminformatics](#), *11*, 16.
164. Ley-Rosas, J. J., Gonzalez-Jimenez, L. E., Loukianov, A. G. & Ruiz-Duarte, J. E. (2019). Observer Based Sliding Mode Controller for Vehicles With Roll Dynamics. [Journal of the Franklin Institute-Engineering and Applied Mathematics](#), *356*(5), 2559-2581.
165. Avila-Sosa, R., Montero-Rodriguez, A. F., Aguilar-Alonso, P., Vera-Lopez, O., Lazcano-Hernandez, M., Morales-Medina, J. C. & Navarro-Cruz, A. R. (2019). Antioxidant Properties of Amazonian Fruits: a Mini Review of in Vivo and in Vitro Studies. [Oxidative Medicine and Cellular Longevity](#), *2019*, 8204129.
166. Medina-Perez, G., Fernandez-Luqueno, F., Vazquez-Nunez, E., Lopez-Valdez, F., Prieto-Mendez, J., Madariaga-Navarrete, A. & Miranda-Arambula, M. (2019). Remediating Polluted Soils Using Nanotechnologies: Environmental Benefits and Risks. [Polish Journal of Environmental Studies](#), *28*(3), 1013-1030.

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