

ARTÍCULOS DEL MES DE JULIO DE 2019

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

1. Tiburcio-Felix, R., Cisneros, B., Hernandez-Kelly, L. C. R., Hernandez-Contreras, M. A., Luna-Herrera, J., Rea-Hernandez, I., Jimenez-Aguilar, R., Olivares-Banuelos, T. N. & Ortega, A. (2019). Neuronal Nitric Oxide Synthase in Cultured Cerebellar Bergmann Glia: Glutamate-Dependent Regulation. [*Acs Chemical Neuroscience*](#), 10(6): 2668-2675.
2. Garcia-Mayagoitia, S., Fernandez-Luqueno, F., Morales-Acosta, D., Carrillo-Rodriguez, J. C., Garcia-Lobato, M. A., De La Torre-Saenz, L., Alonso-Lemus, I. L. & Rodriguez-Varela, F. J. (2019). Energy Generation From Pharmaceutical Residual Water in Microbial Fuel Cells Using Ordered Mesoporous Carbon and *Bacillus Subtilis* as Bioanode. [*Acs Sustainable Chemistry & Engineering*](#), 7(14): 12179-12187.
3. Corona-Martinez, D. A., Rendon-Angeles, J. C., Gonzalez, L. A., Matamoros-Veloza, Z., Yanagisawa, K., Tamayo, A. & Alonso, J. R. (2019). Controllable Synthesis of Bacusi2o6 Fine Particles Via a One-Pot Hydrothermal Reaction With Enhanced Violet Colour Hue. [*Advanced Powder Technology*](#), 30(8): 1473-1483.
4. Acevedo-Mijangos, J., Ramirez-Trevino, A., May-Arriola, D. A., Likamwa, P., Vazquez-Leal, H. & Herrera-May, A. L. (2019). Design and Fabrication of a Microelectromechanical System Resonator Based on Two Orthogonal Silicon Beams With Integrated Mirror for Monitoring in-Plane Magnetic Field. [*Advances in Mechanical Engineering*](#), 11(7): 1-16.
5. Lopez-Garcia, S. C., Arambula-Villa, G., Torruco-Uco, J. G., Contreras-Oliva, A., Hernandez-Rosas, F., Lopez-Espindola, M. & Herrera-Corredor, J. A. (2019). Antioxidant Activity of Chia (*Salvia Hispanica* L.) Protein Fraction Hydrolyzed With Alcalase and Flavourzyme. [*Agrociencia*](#), 53(4): 505-520.
6. Rios-Chavez, P., Perez-Gonzalez, J., Salgado-Garciglia, R., Ramirez-Chavez, E., Molina-Torres, J., Martinez-Trujillo, M. & Carreon-Abudi, Y. (2019). Antibacterial and Cytotoxicity Activities and Phytochemical Analysis of Three Ornamental Plants Grown in Mexico. [*Anais Da Academia Brasileira De Ciencias*](#), 91(2): e20180468.
7. Guzman-Olguin, J. C., Lopez-Esquivel, R. I., Torres-Jasso, G., Guzman-Mendoza, J., Rivera Montalvo, T., Garcia-Hipolito, M. & Falcony, C. (2019). Luminescent behavior of Eu³⁺ doped BaHfO₃ perovskite ceramic under UV radiation. [*Applied Radiation and Isotopes*](#), 153: 108815.
8. Gonzalez-Valencia, R., Magana-Rodriguez, F., Sepulveda-Jauregui, A. , Aguirrezabala-Campano, T., Gerardo-Nieto, O. & Thalasso, F. (2019). A simple model for the numerical characterization of spatiotemporal variability in aquatic ecosystems. [*Aquatic Sciences*](#), 81(4): 58.
9. Miranda-Villatoro, F. A., Castanos, F. & Brogliato, B. (2019). Continuous and discrete-time stability of a robust set-valued nested controller. [*Automatica*](#), 107: 406-417.
10. Gomez, M. A., Egorov, A. V. & Mondie, S. (2019). Lyapunov matrix based necessary and sufficient stability condition by finite number of mathematical operations for retarded type systems. [*Automatica*](#), 108: 108475.
11. Hernandez-Hernandez, T. (2019). Evolutionary Rates and Adaptive Radiations. [*Biology & Philosophy*](#), 34(4): 41.

12. Varela-Rodriguez, L., Sanchez-Ramirez, B., Rodriguez-Reyna, I. S., Ordaz-Ortiz, J. J., Chavez-Flores, D., Salas-Munoz, E., Osorio-Trujillo, J. C., Ramos-Martinez, E. & Talamas-Rohana, P. (2019). Biological and Toxicological Evaluation of *Rhus Trilobata* Nutt. (Anacardiaceae) Used Traditionally in Mexico Against Cancer. [*Bmc Complementary and Alternative Medicine*](#), 19: 153.
13. Andrade-Guel, M., Diaz-Jimenez, L., Cortes-Hernandez, D., Cabello-Alvarado, C., A• vila-Orta, C., Bartolo-Perez, P. & Gamero-Melo, P. (2019). Microwave assisted sol-gel synthesis of titanium dioxide using hydrochloric and acetic acid as catalysts. [*Boletin De La Sociedad Espanola De Ceramica y Vidrio*](#), 58 (4): 171-177.
14. Davis, M. M., Suarez-Moo, P. D. & Daly-Engel, T. S. (2019). Genetic Structure and Congeneric Range Overlap Among Sharpnose Sharks (Genus *Rhizoprionodon*) in the Northwest Atlantic Ocean. [*Canadian Journal of Fisheries and Aquatic Sciences*](#), 76(7): 1203-1211.
15. Ramos-Castillo, C. M., Cifuentes-Quintal, M. E., Martinez-Guerra, E. & De Coss, R. (2019). The role of edge magnetism on the Kohn-Sham gap and fundamental energy gap of graphene quantum dots with zigzag edges. [*Carbon*](#), 153: 89-94.
16. Villa-Cedillo, S. A., Soto-Dominguez, A., Rodriguez-Rocha, H. et al. (2019). The Mrvg-9r Peptide as a Potential Therapeutic Vector to the Central Nervous System Cells. [*Cell Biology International*](#), 43(7): 809-819.
17. Ramos-Corona, A., Rangel, R., Alvarado-Gil, J. J., Bartolo-Perez, P., Quintana, P. & Rodriguez-Gattorno, G. (2019). Photocatalytic performance of nitrogen doped ZnO structures supported on graphene oxide for MB degradation. [*Chemosphere*](#), 236: 124368.
18. Manko, V. S. & Ruiz, E. (2019). A Note on Hierarchy of Universal Relations for Neutron Stars in Terms of Multipole Moments. [*Classical and Quantum Gravity*](#), 36(14): 147002.
19. Martinez-Fuentes, O. & Martinez-Guerra, R. (2019). A high-gain observer with Mittag-Leffler rate of convergence for a class of nonlinear fractional-order systems. [*Communications in Nonlinear Science and Numerical Simulation*](#), 79: 104909.
20. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Real-Time Data Processing in the Alice High Level Trigger at the Lhc. [*Computer Physics Communications*](#), 242: 25-48.
21. Gomez-Flores, W., Garza-Saldana, J. J. & Varela-Fuentes, S. E. (2019). Detection of Huanglongbing Disease Based on Intensity-Invariant Texture Analysis of Images in the Visible Spectrum. [*Computers and Electronics in Agriculture*](#), 162: 825-835.
22. Garcia-Hernandez, J. J. & Gomez-Ricardez, J. J. (2019). Hardware Architecture for an Audio Fingerprinting System. [*Computers & Electrical Engineering*](#), 74: 210-222.
23. Medina-Gomez, I., Aguilar-Trujillo, A., Marino-Tapia, I., Cruz, G., Herrera-Silveira, J. & Enriquez, C. (2019). Phytoplankton responses under a joint upwelling event and an algal bloom scenario in the southeast Gulf of Mexico. [*Continental Shelf Research*](#), 184: 30-43.
24. Villasenor-Granados, T., Diaz-Cervantes, E., Soto-Arredondo, K. J., Martinez-Alfaro, M., Robles, J. & Garcia-Revilla, M. A. (2019). Binding of Pb-Melatonin and Pb-(Melatonin-Metabolites) Complexes With Dmt1 and Zip8: Implications for Lead Detoxification. [*Daru-Journal of Pharmaceutical Sciences*](#), 27(1): 137-148.
25. Renteria-Cedano, J., Rivera, J., Sandoval-Ibarra, F., Ortega-Cisneros, S. & Loo-Yau, R. (2019). SoC design based on a Fpga for a configurable neural network trained by means of an Ekf. [*Electronics*](#), 8(7): 761.

26. Bravo, A. K. G., Serrano, D. A. S., Jimenez, G. L., Nirmalkar, K., Murugesan, S., Garcia-Mena, J., Castillo, M. E. G. & Galvez, L. R. T. (2019). Microbial Profile of the Leachate From Mexico City's Bordo Poniente Composting Plant: an Inoculum to Digest Organic Waste. *[Energies](#)*, 12(12): 2343.
27. Oliva, M., Garcia-Frapolli, E. , Porter-Bolland, L. & Montiel, S. (2019). Early Detection of Conflicts for the Management of Protected Areas: the Case of Charcoal Production in the Los Petenes Biosphere Reserve, Mexico. *[Environmental Management](#)*, 64(1): 52-63.
28. Vazquez-Lule, A., Colditz, R., Herrera-Silveira, J., Guevara, M., Rodriguez-Zuniga, M. T., Cruz, I., Ressler, R. & Vargas, R. (2019). Greenness Trends and Carbon Stocks of Mangroves Across Mexico. *[Environmental Research Letters](#)*, 14(7): 075010.
29. A• Ivarez-Camara, J. F., Ramirez-Rosas, M. B., Medina-Terol, G. J., Silva-Velasco, D. L., Velasco-Paz, A., Sanchez-Lopez, A., Guzman-Priego, C. G. , Osuna-Martinez, U. & Centurion, D. (2019). Potential vascular alpha1-adrenoceptor blocking properties of metformin in rat aorta and tail artery. *[European Journal of Pharmacology](#)*, 858: 172498.
30. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for a Heavy Pseudoscalar Boson Decaying to a Z and a Higgs Boson at Root S=13TeV. *[European Physical Journal C](#)*, 79(7): 564.
31. Estrada-Delgado, M. I. & Fernandez, D. J. (2019). Ladder Operators for the Bendaniel-Duke Hamiltonians and Their Susy Partners. *[European Physical Journal Plus](#)*, 134(7): 341.
32. Topete-Betancourt, A., Cardenas, J. D. F., Rodriguez-Lino, A. L., Rios-Leal, E., Morales-Sanchez, E. & Martinez-Flores, H. E. (2019). Effect of Nixtamalization Processes on Mitigation of Acrylamide Formation in Tortilla Chips. *[Food Science and Biotechnology](#)*, 28(4): 975-982.
33. Mosqueda, M. E. A., Mosqueda, M. A. A., Aguilera, R. C., Zuniga, F. M., Bautista, D. P., Ortiz, M. P. & Yu, W. (2019). Computational Intelligence for Shoeprint Recognition. *[Fractals-Complex Geometry Patterns and Scaling in Nature and Society](#)*, 27(4): 1950080.
34. Moreno-Salinas, A. L., Avila-Zozaya, M., Ugalde-Silva, P., Hernandez-Guzman, D. A., Missirlis, F. & Boucard, A. A. (2019). Latrophilins: a Neuro-Centric View of an Evolutionary Conserved Adhesion G Protein-Coupled Receptor Subfamily. *[Frontiers in Neuroscience](#)*, 13: 700.
35. Pascual, C., Mascaro, M., Rodriguez-Canul, R., Gallardo, P., Sanchez, A. A., Rosas, C. & Cruz-Lopez, H. (2019). Sea Surface Temperature Modulates Physiological and Immunological Condition of Octopus Maya. *[Frontiers in Physiology](#)*, 10: 739.
36. Kudriavtsev, Y. & Asomoza-Palacio, R. (2019). Interaction of Soda Borosilicate Glass With Water Vapor: Kinetics of Formation of Hydrogenated Layers. *[Glass Physics and Chemistry](#)*, 45(3): 213-216.
37. Munoz-Vazquez, A. J., Sanchez-Torres, J. D., Jimenez-Rodriguez, E. & Loukianov, A. G. (2019). Predefined-Time Robust Stabilization of Robotic Manipulators. *[Ieee-Asme Transactions on Mechatronics](#)*, 24(3): 1033-1040.
38. Izaguirre-Espinosa, C., Munoz-Vazquez, A. J., Sanchez-Orta, A., Parra-Vega, V. & Fantoni, I. (2019). Fractional-Order Control for Robust Position/Yaw Tracking of Quadrotors With Experiments. *[Ieee Transactions on Control Systems Technology](#)*, 27(4): 1645-1650.

39. Ruiz-Cruz, R., Sanchez, E. N., Loukianov, A. G. & Ruz-Hernandez, J. A. (2019). Real-Time Neural Inverse Optimal Control for a Wind Generator. [*Ieee Transactions on Sustainable Energy*](#), 10(3): 1172-1183
40. Carbajal-Gomez, V. H., Tlelo-Cuautle, E., Munoz-Pacheco, J. M., De La Fraga, L. G., Sanchez-Lopez, C. & Fernandez-Fernandez, F. V. (2019). Optimization and Cmos Design of Chaotic Oscillators Robust to Pvt Variations: Invited. [*Integration-the Vlsi Journal*](#), 65: 32-42.
41. Ortega-Morales, O., Montero-Munoz, J. L., Baptista-Neto, J. A., Beech, I. B., Sunner, J. & Gaylarde, C. (2019). Deterioration and microbial colonization of cultural heritage stone buildings in polluted and unpolluted tropical and subtropical climates: A meta-analysis. [*International Biodeterioration & Biodegradation*](#), 143: 104734.
42. Alvarado-Iniesta, A., Cuate, O. & Schutze, O. (2019). Multi-Objective and Many Objective Design of Plastic Injection Molding Process. [*International Journal of Advanced Manufacturing Technology*](#), 102(9-12): 3165-3180.
43. Gomez, M. A., Egorov, A. V. & Mondie, S. (2019). Necessary Stability Conditions for Neutral-Type Systems With Multiple Commensurate Delays. [*International Journal of Control*](#), 92(5): 1155-1166.
44. Novella-Rodriguez, D. F., Cuellar, B. D., Marquez-Rubio, J. F., Hernandez-Perez, M. A. & Velasco-Villa, M. (2019). Pd-Pid Controller for Delayed Systems With Two Unstable Poles: a Frequency Domain Approach. [*International Journal of Control*](#), 92(5): 1196-1208.
45. Gracia-Nava, M. A., Veleva, L. , Perez, G. & Alpuche-Aviles, M. A. (2019). Probing the oscillating Belousov-Zhabotinskii reaction with micrometer-sized electrodes: the effect of C, Pt and Au. [*International Journal of Electrochemical Science*](#), 14(8): 7363-7379.
46. Bondarchuk, A. N., Corrales-Mendoza, I., Tomas, S. A. & Marken, F. (2019). A hematite photoelectrode grown on porous and conductive SnO2 ceramics for solar-driven water splitting. [*International Journal of Hydrogen Energy*](#), 44(36): 19667-19675.
47. Yu, W. & De La Rosa, E. (2019). Deep Boltzmann Machine for Nonlinear System Modelling. [*International Journal of Machine Learning and Cybernetics*](#), 10(7): 1705-1716.
48. Aldana-Lopez, R., Gomez-Gutierrez, D., Jimenez-Rodriguez, E., Sanchez-Torres, J. D. & Defoort, M. (2019). Enhancing the Settling Time Estimation of a Class of Fixed-Time Stable Systems. [*International Journal of Robust and Nonlinear Control*](#), 29(12): 4135-4148.
49. Vazquez, S. J. O., Lopez, C. V., Mier, M. M., Noguez, M. L. A. & Orea, A. C. (2019). Qualitative Determination of Hemoglobin in Rats With Septic Shock by Photoacoustic Spectroscopy. [*International Journal of Thermophysics*](#), 40(7): 66.
50. Palacios-Sanchez, S. E., Vega-Cendejas, M. E., Hernandez de Santillana, J. M. & Aguilar-Medrano, R. (2019). Anthropogenic impacts in the nearshore fish community of the Yucatan Coastal Corridor. A comparison of protected and unprotected areas. [*Journal for Nature Conservation*](#), 51: 125721.
51. Moreno-Regino, V. D., Torres-Castanedo, C. G., Arias-Ceron, J. S., Badillo-Avila, M. A., Marquez-Marin, J., Castanedo-Perez, R., Zelaya-A•ngel, O. & Torres-Delgado, G. (2019). Effect of the thiourea incorporation velocity and RTA post-deposit treatments, on the properties of CdS films deposited by CBD. [*Journal of Alloys and Compounds*](#), 803: 1168-1177.

52. Uribe-Flores, M. M., Cerqueda-Garcia, D., Hernandez-Nunez, E., Cadena, S., Garcia-Cruz, N. U., Trejo-Hernandez, M. R., Aguirre-Macedo, M. L. & Garcia-Maldonado, J. Q. (2019). Bacterial Succession and Co-Occurrence Patterns of an Enriched Marine Microbial Community During Light Crude Oil Degradation in a Batch Reactor. [*Journal of Applied Microbiology*](#), 127(2): 495-507.
53. Casas-Grajales, S., Reyes-Gordillo, K., Cerda-Garcia-Rojas, C. M., Tsutsumi, V., Lakshman, M. R. & Muriel, P. (2019). Rebaudioside A Administration Prevents Experimental Liver Fibrosis: an in Vivo and in Vitro Study of the Mechanisms of Action Involved. [*Journal of Applied Toxicology*](#), 39(8): 1118-1131.
54. Hernandez-Acevedo, G. N., Lopez-Portales, O. H., Gutierrez-Reyna, D. Y. et al. (2019). Protein Complexes Associated With Beta-Catenin Differentially Influence the Differentiation Profile of Neonatal and Adult Cd8(+) T Cells. [*Journal of Cellular Physiology*](#), 234(10): 18639-18652.
55. Orozco-Ic, M., Restrepo, A., Munoz-Castro, A. & Merino, G. (2019). Molecular Helmholtz Coils. [*Journal of Chemical Physics*](#), 151(1): 014102.
56. Cordero, R., Miranda, O. G. & Serrano-Crivelli, M. (2019). K-Essence and Kinetic Gravity Braiding Models in Two-Field Measure Theory. [*Journal of Cosmology and Astroparticle Physics*](#), (7): 027.
57. Abeyssekara, A. U., Albert, A., Alfaro, R. et al. (2019). Searching for Dark Matter Sub-Structure With Hawc. [*Journal of Cosmology and Astroparticle Physics*](#), (7): 022.
58. Oliveira, T., Lopez, J., Cervantes-Vazquez, D. & Rodriguez-Henriquez, F. (2019). Koblitz Curves Over Quadratic Fields. [*Journal of Cryptology*](#), 32(3): 867-894.
59. Hernandez-Garcia, M. S., Miranda-Ozuna, J. F. T., Salazar-Villatoro, L., Vazquez-Calzada, C., Avila-Gonzalez, L., Gonzalez-Robles, A., Ortega-Lopez, J. & Arroyo, R. (2019). Biogenesis of Autophagosome in *Trichomonas Vaginalis* During Macroautophagy Induced by Rapamycin-Treatment and Iron or Glucose Starvation Conditions. [*Journal of Eukaryotic Microbiology*](#), 66(4): 654-669.
60. Loarca-Pina, G., Neri, M., Figueroa, J. D., Castano-Tostado, E., Ramos-Gomez, M., Reynoso, R. & Mendoza, S. (2019). Chemical Characterization, Antioxidant and Antimutagenic Evaluations of Pigmented Corn. [*Journal of Food Science and Technology-Mysore*](#), 56(7): 3177-3184.
61. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for a Low-Mass Tau(-)Tau(+) Resonance in Association With a Bottom Quark in Proton-Proton Collisions at Root S=13 Tev. [*Journal of High Energy Physics*](#), (5): 210.
62. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Supersymmetry in Final States With Photons and Missing Transverse Momentum in Proton-Proton Collisions at 13 Tev. [*Journal of High Energy Physics*](#), (6): 143.
63. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for the Associated Production of the Higgs Boson and a Vector Boson in Proton-Proton Collisions at=13 Tev Via Higgs Boson Decays to tau Leptons. [*Journal of High Energy Physics*](#), (6): 93.
64. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). An Embedding Technique to Determine Tau Tau Backgrounds in Proton-Proton Collision Data. [*Journal of Instrumentation*](#), 14: P06032.
65. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Performance of Missing Transverse Momentum Reconstruction in Proton-Proton Collisions at Root S=13 Tev Using the Cms Detector. [*Journal of Instrumentation*](#), 14: P07004.

66. Pozos, H. G., Maldonado, A., Izpura, J. I. & Munoz, E. (2019). Iii-Nitride-Based Junction Devices Round Contacts: Effect of Semiconductor Film Geometry and Characteristics on the Capacitance and Conductance Measurements. *Journal of Materials Science-Materials in Electronics*, 30(12): 11164-11170.
67. Rojas-Chavez, H., Farias, R., Cruz-Martinez, H., Gonzalez-Dominguez, J. L., Daneu, N., Juarez-Garcia, J. M., Avila-Garcia, A. & Roman-Doval, R. (2019). Understanding the Growth of Znte Nanorods by Mechanochemical Synthesis: the Role of Structural Defects. *Journal of Materials Science-Materials in Electronics*, 30(12): 11291-11300.
68. Alvarado-Noguez, M. L., Hernandez-Aguilar, C., Cruz-Orea, A. & Dominguez-Pacheco, F. A. (2019). Blood optical absorption of rats with hepatic damage and turmeric treatment: methemoglobin analysis. *Journal of Molecular Liquids*, 291: 111310.
69. Jimenez, G. L., Falcony, C., Szumera, M., Jelen, P., Lesniak, M., Dorosz, D., Zmojda, J., Kochanowicz, M. & Miluski, P. (2019). Photophysical characterization of polymeric fiber preforms using Tb(tmhd)3 and Eu(tmhd)3 as dopants during the polymerization process. *Journal of Molecular Structure*, 1196: 389-393.
70. Aguayo-Ortiz, R., Gonzalez-Navejas, A., Palomino-Vizcaino, G., Rodriguez-Meza, O., Costas, M., Quintanar, L. & Dominguez, L. (2019). Thermodynamic Stability of Human Gamma D-Crystallin Mutants Using Alchemical Free-Energy Calculations. *Journal of Physical Chemistry B*, 123(27): 5671-5677.
71. Ni, P., Bugallo, A. D., Yang, X., Arreola, V. M. A., Salazar, M. F. , Strupiechonski, E., Alloing, B., Shan, C. X. & Genevet, P. (2019). Hybrid Mos2-Gap-Mode Metasurface Photodetectors. *Journal of Physics D-Applied Physics*, 52(37): 374001.
72. Menendez-Ortiz, A., Feregrino-Uribe, C. & Garcia-Hernandez, J. J. (2019). Framework for audio reversible watermarking robust against content replacement with signal restoration capabilities. *Journal of the Franklin Institute-Engineering and Applied Mathematics*, 356(12): 6793-6816.
73. Palma-Cancino, D. J., Martinez-Garcia, R., Alvarez-Gonzalez, C. A., Contreras, R. J., Gasca-Leyva, E., Pena, E. & Camarillo-Coop, S. (2019). Bioeconomic Profitability Analysis of Tropical Gar (Atractosteus Tropicus) Grow-Out Using Two Commercial Feeds. *Latin American Journal of Aquatic Research*, 47(3): 433-439.
74. Batalshchikov, A. A., Grudsky, S. M., Malisheva, I. S., Mihalkovich, S. S., Ramirez-De Arellano, E. & Stukopin, V. A. (2019). Asymptotics of eigenvalues of large symmetric Toeplitz matrices with smooth simple-loop symbols. *Linear Algebra and Its Applications*, 580: 292-335.
75. Badillo-Avila, M. A., Castanedo-Perez, R., Marquez-Marin, J., Guzman-Caballero, D. E. & Torres-Delgado, G. (2019). Fast rate oxidation to Cu2O, at room temperature, of metallic copper films produced by the argon-plasma bombardment of CuO films. *Materials Chemistry and Physics*, 236: 121759.
76. Gasca-Tirado, J. R., Manzano-Ramirez, A., Velazquez-Castillo, R. R., Gomez-Luna, B. E., Nava-Mendoza, R. F., Lopez-Romero, J. M., Apatiga-Castro, L. M. & Rivera-Munoz, E. M. (2019). Porous geopolymer as a possible template for a phase change material. *Materials Chemistry and Physics*, 236: 121785.
77. Martinez-Ligas, J., Oliva, A. I., Velazquez-Manzanares, M., Garcia, C. R., Mtz-Enriquez, A. I. & Oliva, J. (2019). Enhancing the capacitance/discharge times of flexible graphene supercapacitors with ionic liquid/Li electrolytes. *Materials Letters*, 253: 205-208.

78. Renteria-Zamarron, D., Diaz-Guillen, J. A., Cortes-Hernandez, D. A., Martinez-Montemayor, S., Lopez-Badillo, C. M. & Fernandez-Fuentes, A. (2019). Biomimetic Coating of Mechanochemically Synthesized Zirconium Titanate. *Materials Research-Ibero-American Journal of Materials*, 22(4): e20180917.
79. Rodriguez-Hernandez, P. E., Quinones-Galvan, J. G., Marasamy, L., Morales-Luna, M., Santos-Cruz, J., Arias-Ceron, J. S., Zelaya-Angel, O. & De Moure-Flores, F. (2019). Optoelectronic properties of undoped and Al, B and Ga-doped In₂S₃ thin films grown by CBD on flexible PET/ITO substrates. *Materials Science in Semiconductor Processing*, 103: 104600.
80. Costa, P., Altamirano, G., Salinas, A., Gonzalez-Gonzalez, D. S. & Goodwin, F. (2019). Optimization of the Continuous Galvanizing Heat Treatment Process in Ultra-High Strength Dual Phase Steels Using a Multivariate Model. *Metals*, 9(6): 703.
81. Tamayo, D. & Vazquez, J. A. (2019). Fourier-Series Expansion of the Dark-Energy Equation of State. *Monthly Notices of the Royal Astronomical Society*, 487(1): 729-736.
82. Avila, S., Guerrero-Garcia, J. J., Becerril-Villanueva, E. et al. (2019). A differential sex-specific pattern of IgG2 and IgG4 subclasses of anti-drug antibodies (ADAs) induced by glatiramer acetate in relapsing-remitting multiple sclerosis patients. *Multiple Sclerosis and Related Disorders*, 34: 92-99.
83. Sogabe, S., Hatleberg, W. L., Kocot, K. M., Say, T. E., Stoupin, D., Roper, K. E., Fernandez-Valverde, S. L., Degnan, S. M. & Degnan, B. M. (2019). Pluripotency and the Origin of Animal Multicellularity. *Nature*, 570(7762): 519-+.
84. Gomez, K., Sandoval, A., Barragan-Iglesias, P., Granados-Soto, V., Delgado-Lezama, R., Felix, R. & Gonzalez-Ramirez, R. (2019). Transcription Factor Sp1 Regulates the Expression of Calcium Channel Alpha(2)Delta-1 Subunit in Neuropathic Pain. *Neuroscience*, 412: 207-215.
85. Gonzalez-Antonio, O., Villalobos, M. N., Vazquez-Alvarado, M. M., Santillan, R., Flores-Perez, B., Romero-Avila, M. & Farfan, N. (2019). On the Nucleophilic Derivatization of 4,7-Dibromo-[1,2,5]Thiadiazolo[3,4-C]Pyridine: Basis for Biologically Interesting Species and Building Blocks for Organic Materials. *New Journal of Chemistry*, 43(26): 10491-10500.
86. Carcamo-Hernandez, A. E., Gomez-Izquierdo, J. C., Kovalenko, S. & Mondragon, M. (2019). Delta (27) flavor singlet-triplet Higgs model for fermion masses and mixings. *Nuclear Physics B*, 946: 114688.
87. Rojas-Leon, I., Alnasr, H., Jurkschat, K., Vasquez-Rios, M. G., Gomez-Jaimes, G., Hopfl, H., Hernandez-Ahuactzi, I. F. & Santillan, R. (2019). Formation of Metal-Based 21- and 22-Membered Macrocycles From Dinuclear Organotin Tectons and Ditopic Organic Ligands Carrying Carboxylate or Dithiocarbamate Groups. *Organometallics*, 38(12): 2443-2460.
88. Lopez-Gonzalez, C., Juarez-Colunga, S., Morales-Elias, N. C. & Tiessen, A. (2019). Exploring Regulatory Networks in Plants: Transcription Factors of Starch Metabolism. *PeerJ*, 7: e6841.
89. Murillo-Posada, J. C., Salas, S. & Velazquez-Abunader, I. (2019). Factors Affecting Relative Abundance of Low-Mobility Fishing Resources: Spiny Lobster in the Galapagos Marine Reserve. *PeerJ*, 7: e7278.
90. Kelly-Hernandez, A., Rovito, S. M. & Vasquez-Cruz, V. (2019). A New Population of the Endangered Salamander *Pseudoeurycea firscheini* (Caudata: Plethodontidae) From Mexico, With Notes on Natural History. *Phyllomedusa*, 18(1): 97-100.

91. Miranda, G., Del Aguila, J. C. & Matos, T. (2019). Exact Rotating Magnetic Traversable Wormhole Satisfying the Energy Conditions. [*Physical Review D*, 99\(12\): 124045.](#)
92. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurements of the Higgs Boson Width and Anomalous H $\nu\nu$ Couplings From on-Shell and Off-Shell Production in the Four-Lepton Final State. [*Physical Review D*, 99\(11\): 112003.](#)
93. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Studies of Beauty Suppression Via Nonprompt D-0 Mesons in Pb-Pb Collisions at Root S(Nn)=5.02 Tev. [*Physical Review Letters*, 123\(2\): 022001.](#)
94. Manko, V. S., Ruiz, E. & Sadovnikova, M. B. (2019). Binary systems of recoiling extreme Kerr black holes. [*Physics Letters B*, 795: 561-568.](#)
95. Avila-Luna, A., Rios, C., Galvez-Rosas, A., Montes, S., Arias-Montano, J. A. & Bueno-Nava, A. (2019). Chronic Administration of the Histamine H-3 Receptor Agonist Immapip Decreases L-Dopa-Induced Dyskinesias in 6-Hydroxydopamine-Lesioned Rats. [*Psychopharmacology*, 236\(6\): 1937-1948.](#)
96. Elodio-Policarpo, F., Penaloza-Herrera, B., Maldonado-Astudillo, Y. I., Jimenez-Hernandez, J., Flores-Casamayor, V., Arambula-Villa, G. & Salazar, R. (2019). Thermal Stability of Virgin Coconut Oil Obtained From Two Cultivars Grown in Guerrero, Mexico. [*Revista Fitotecnica Mexicana*, 42\(2\): 101-109.](#)
97. Osuna-Ibarra, L., Caballero-Barragan, H., Loukianov, A. G. & Bayro-Corrochano, E. (2019). Tracking control using optimal discrete-time H infinity for mechanical systems: Applied to Robotics. [*Robotics and Autonomous Systems*, 119: 201-208.](#)
98. Pariona, N., Mtz-Enriquez, A. I., Sanchez-Rangel, D., Carrion, G., Paraguay-Delgado, F. & Rosas-Saito, G. (2019). Green-Synthesized Copper Nanoparticles as a Potential Antifungal Against Plant Pathogens. [*Rsc Advances*, 9\(33\): 18835-18843.](#)
99. Pelaez, P., Orona-Tamayo, D., Montes-Hernandez, S., Valverde, M. E., Paredes-Lopez, O. & Cibrian-Jaramillo, A. (2019). Comparative Transcriptome Analysis of Cultivated and Wild Seeds of Salvia Hispanica (Chia). [*Scientific Reports*, 9: 9761.](#)
100. Castro-Gonzalez, C. G., Sanchez-Segura, L., Gomez-Merino, F. C. & Bello-Bello, J. J. (2019). Exposure of Stevia (Stevia Rebaudiana B.) To Silver Nanoparticles in Vitro: Transport and Accumulation. [*Scientific Reports*, 9: 10372.](#)
101. Lopez-Lopez, L., Cardenas-Juarez, M., Stevens-Navarro, E., Pineda-Rico, U., Arce, A. & Orozco-Lugo, A. G. (2019). Superimposed Training Combined Approach for a Reduced Phase of Spectrum Sensing in Cognitive Radio. [*Sensors*, 19\(11\): 2425.](#)
102. Talavera-Pech, W. A., Avila-Ortega, A., Pacheco-Catalan, D., Quintana-Owen, P. & Barron-Zambrano, J. A. (2019). Effect of Functionalization Synthesis Type of Amino-Mcm-41 Mesoporous Silica Nanoparticles on Its Rb5 Adsorption Capacity and Kinetics. [*Silicon*, 11\(3 \): 1547-1555.](#)
103. Quevedo-Robles, R. V., Grijalva-Bustamante, G. A., Del Castillo-Castro, T., Castillo-Ortega, M. M., Rodriguez-Felix, D. E., Cenicerros, T. E. L., Mayen-Mondragon, R. & Saucedo, I. S. (2019). Novel Electroconducting Polypyrrole/Carbon Nanotube/Alginate Nanocomposites Synthesized by Hydrogen Peroxide-Mediated Emulsion Pathway. [*Synthetic Metals*, 253: 100-109.](#)
104. Gomez-Godinez, L. J., Fernandez-Valverde, S. L., Romero, J. C. M. & Martinez-Romero, E. (2019). Metatranscriptomics and Nitrogen Fixation From the Rhizoplane of Maize Plantlets Inoculated With a Group of Pgprs. [*Systematic and Applied Microbiology*, 42\(4\): 517-525.](#)

105. Avila-Ortiz, C. G., Perez-Venegas, M., Vargas-Caporalí, J. & Juaristi, E. (2019). Recent Applications of Mechanochemistry in Enantioselective Synthesis. *Tetrahedron Letters*, 60(27): 1749-1757.

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

106. Trigueros, M. & Oktac, A. (2019). Task Design in Apos Theory. *Avances De Investigacion En Educacion Matematica*, (15): 43-56.
107. Alonso-Bello, C. D., Jimenez-Martinez, M. D., Vargas-Camano, M. E. et al. (2019). Partial and Transient Clinical Response to Omalizumab in IL-21-Induced Low Stat3-Phosphorylation on Hyper-Ige Syndrome. *Case Reports in Immunology*, 2019: 6357256.
108. Lopez, G. D., Anguiano, L. R., Trevino, A. R. & Velasco, J. L. B. (2019). A Flexible Framework for Real-Time Thermal-Aware Schedulers Using Timed Continuous Petri Nets. *Computacion Y Sistemas*, 23(2): 417-433.
109. Zamarripa, L. R., Rodriguez, L. M., Chavez, M. A. L., Cortes, N. C. & Henriquez, F. R. (2019). Security Analysis of the Mexican Fiscal Digital Certificate System. *Computacion Y Sistemas*, 23(2): 477-490.
110. Buteau, C., Sacristan, A. I. & Muller, E. (2019). Roles and Demands in Constructionist Teaching of Computational Thinking in University Mathematics. *Constructivist Foundations*, 14(3): 294-309.
111. Campos-Garcia, L., Jimenez-Valdes, R. J., Hernandez-Bello, R., Palma-Nicolas, J., Gonzalez, G. M. & Sanchez-Gonzalez, A. (2019). Candida Albicans and Non-Albicans Isolates From Bloodstream Have Different Capacities to Induce Neutrophil Extracellular Traps. *Journal of Fungi*, 5(2): 28.
112. Jimenez-Garcia, F. N., Giraldo-Torres, L. R., Segura-Giraldo, B., Giraldo-Betancur, A. L. & Munoz-Saldana, J. (2019). Effect of Growing Conditions and Post Treatments on Calcium Phosphate Films Obtained by Electrode Position. *Journal of Surface Science and Technology*, 35(1-2): 67-76.
113. Maldonado-Puga, S., Meza-Segura, M., Becerra, A., Zaidi, M. B. & Estrada-Garcia, T. (2019). Draft Genome Sequence of Escherichia Albertii Strain Mex-12/320a, Isolated From an Infant With Diarrhea and Harboring Virulence Genes Associated With Diarrheagenic Strains of Enteropathogenic Escherichia Coli. *Microbiology Resource Announcements*, 8(27): e00208.
114. Fajardo, A. S. G. & Gutierrez, G. V. (2019). Study of the Increase of the Mechanical Resistance of Ceramic Bodies for Ceramic Tiles. *Nexo Revista Cientifica*, 32(1): 52-60.
115. Hernandez-Gutierrez, C. A., Morales-Acevedo, A., Cardona, D., Contreras-Puente, G. & Lopez-Lopez, M. (2019). Analysis of the Performance of Inxga1-Xn Based Solar Cells. *Sn Applied Sciences*, 1(6): 628.

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

116. Buteau, C., Sacristan, A. I. & Muller, E. (2019). Shifting the Epistemological Conception of Learning and Teaching in a Mathematics Classroom. [*Constructivist Foundations*](#), 14(3): 316-318.
117. Camacho, J. (2019). Hepatocellular Carcinoma Therapy Finds a Channel on the Radio. [*Ebiomedicine*](#), 44: 6-7.
118. Debnath, A., Rodriguez, M. A. & Ankri, S. (2019). Editorial: Recent Progresses in Amebiasis. [*Frontiers in Cellular and Infection Microbiology*](#), 9: 247.
119. Anbarjafari, G., Escalera, S., Nasrollahi, K., Escalante, H. J., Baro, X., Wan, J. & Moeslund, T. B. (2019). Guest Editorial: Special Issue on Human Abnormal Behavioural Analysis. [*Machine Vision and Applications*](#), 30(5): 807-811.

10

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

120. Parra-Avila, I., Cohen-Bucay, A., Alberu, J., Castaneda-Hernandez, G. & Morales-Buenrostro, L. E. (2019). Pharmacokinetics of Innovative Versus Generic Valganciclovir in Kidney Transplant Recipients. [*American Journal of Transplantation*](#), 19: 837.
121. Georgiev, V., Avalos-Padilla, Y., Robinson, T., Orozco, E., Lipowsky, R. & Dimova, R. (2019). Biophysical Insights Into Membrane Fission Mediated by Escrt-Iii. [*European Biophysics Journal With Biophysics Letters*](#), 48: S166.
122. Georgiev, V., Avalos-Padilla, Y., Robinson, T., Orozco, E., Lipowsky, R. & Dimova, R. (2019). Biophysical Insights Into Membrane Fission Mediated by Escrt-Iii. [*European Biophysics Journal With Biophysics Letters*](#), 48: S59.

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

123. Orona-Tamayo, D., Valverde, M. E. & Paredes-Lopez, O. (2019). Bioactive Peptides From Selected Latin American Food Crops - a Nutraceutical and Molecular Approach. [*Critical Reviews in Food Science and Nutrition*](#), 59(12): 1949-1975.
124. Lagunas-Rangel, F. A. (2019). Current role of mammalian sirtuins in DNA repair. [*Dna Repair*](#), 80: 85-92.
125. Reyes-Sandoval, A. & Ludert, J. E. (2019). The Dual Role of the Antibody Response Against the Flavivirus Non-Structural Protein 1 (Ns1) in Protection and Immuno-Pathogenesis. [*Frontiers in Immunology*](#), 10: 1651.
126. Juarez-Portilla, C., Olivares-Banuelos, T., Molina-Jimenez, T. et al. (2019). Seaweeds-derived compounds modulating effects on signal transduction pathways: A systematic review. [*Phytomedicine*](#), 63: 153016.
127. Valenzuela-Gutierrez, A., Lopez-Cuevas, J., Gonzalez-Angeles, A. & Pilalua-Diaz, N. (2019). Addition of Ceramics Materials to Improve the Corrosion Resistance of Alumina Refractories. [*Su Applied Sciences*](#), 1(7): 784.

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ARTÍCULOS DEL MES DE AGOSTO DE 2019

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

- 1 Gonzalez-Hernandez, A., Marichal-Cancino, B. A., Lozano-Cuenca, J., Maassenvandenbrink, A. & Villalon, C. M. (2019). Functional Characterization of the Prejunctional Receptors Mediating the Inhibition by Ergotamine of the Rat Perivascular Sensory Peptidergic Drive. [Acs Chemical Neuroscience](#), 10(7): 3173-3182.
- 2 Ni, P. N., Bugallo, A. D., Arreola, V. M. A., Salazar, M. F., Strupiechonski, E., Brandli, V., Sawant, R., Alloing, B. & Genevet, P. (2019). Gate-Tunable Emission of Exciton-Plasmon Polaritons in Hybrid Mos2-Gap-Mode Metasurfaces. [Acs Photonics](#), 6(7): 1594-1601.
- 3 Mercado-Ravell, D. A., Castillo, P. & Lozano, R. (2019). Visual Detection and Tracking With Uavs, Following a Mobile Object. [Advanced Robotics](#), 33(7-8): 388-402.
- 4 Lopez-Herrera, G., Segura-Mendez, N. H., O´Farril-Romanillos, P. et al. (2019). Low percentages of regulatory T cells in common variable immunodeficiency (CVID) patients with autoimmune diseases and its association with increased numbers of CD4+CD45RO+ T and CD21low B cells. [Allergologia Et Immunopathologia](#), 47(5): 457-466.
- 5 Gonzalez-Orozco, M., Barbosa-Cobos, R. E., Santana-Sanchez, P., Becerril-Mendoza, L., Limon-Camacho, L., Juarez-Estrada, A. I., Lugo-Zamudio, G. E., Moreno-Rodriguez, J. & Ortiz-Navarrete, V. (2019). Endogenous Stimulation Is Responsible for the High Frequency of Il-17a-Producing Neutrophils in Patients With Rheumatoid Arthritis. [Allergy Asthma and Clinical Immunology](#), 15: 44.
- 6 Saha, R., Pan, S., Merino, G. & Chattaraj, P. K. (2019). Unprecedented Bonding Situation in Viable E-2(Nhbme)(2) (E=Be, Mg; Nhbme=(Hcnme)(2)B) Complexes: Neutral E-2 Forms a Single E-E Covalent Bond. [Angewandte Chemie-International Edition](#), 58(25): 8372-8377.
- 7 Perez-Herrera, N., Diaz de Leon-Martinez, L., Flores-Ramirez, R., Barbier, O., Ortega-Romero, M., May-Euan, F., Saldana-Villanueva, K., Perera-Rios, J. & Perez-Vazquez, F. J. (2019). Evaluation of Benzene Exposure and Early Biomarkers of Kidney Damage in Children Exposed to Solvents Due to Precarious Work in Ticul, Yucatan, Mexico. [Annals of Global Health](#), 85(1): 94.
- 8 Adame-Soto, P. J., Arechiga-Carvajal, E. T., Lopez, M. G., Gonzalez-Herrera, S. M., Moreno-Jimenez, M. R., Urtiz-Estrada, N. & Rutiaga-Quinones, O. M. (2019). Potential Production of 2-Phenylethanol and 2-Phenylethylacetate by Non-Saccharomyces Yeasts From Agave Durangensis. [Annals of Microbiology](#), 69(9): 989-1000.
- 9 Rangel, R., Rangel-Arreola, K., Diaz, G., Bartolo-Perez, P. & Quintana, P. (2019). Novel Efficient {Pt, Ir}/Ce1-Xruxo2 Catalysts for Catalytic Steam Reforming of Ethanol. [Applied Physics a-Materials Science & Processing](#), 125(8): 538.

- 10 Maldonado-Garcia, M., Angulo, C., Vazquez-Martinez, J., Sanchez, V., Lopez, M. G. & Reyes-Becerril, M. (2019). Antioxidant and immunostimulant potentials of *Chenopodium ambrosioides* L. in Pacific red snapper (*Lutjanus peru*). [Aquaculture](#), 513: 734414.
- 11 Mostovoy, J. (2019). The Pure Cactus Group Is Residually Nilpotent. [Archiv Der Mathematik](#), 113(3): 229-235.
- 12 Quinones-Gonzalez, C. A., Arredondo-Mendoza, G. I., Jimenez-Salas, Z., Larriba-Calle, G., Ruiz-Herrera, J. & Campos-Gongora, E. (2019). Genotoxic Effect of Caffeine in *Yarrowia Lipolytica* Cells Deficient in Dna Repair Mechanisms. [Archives of Microbiology](#), 201(7): 991-998.
- 13 Gonzalez-Barbosa, E., Garcia-Aguilar, R., Vega, L., Cabanas-Cortes, M. A., Gonzalez, F. J., Segovia, J., Morales-Lazaro, S. L., Cisneros, B. & Elizondo, G. (2019). Parkin is transcriptionally regulated by the aryl hydrocarbon receptor: Impact on α -synuclein protein levels. [Biochemical Pharmacology](#), 168: 429-437.
- 14 Reyes-Pardo, H., Bautista, R., Vargas-Robles, H., Rios, A., Sanchez, D. & Escalante, B. (2019). Role of Sodium/Glucose Cotransporter Inhibition on a Rat Model of Angiotensin II-Dependent Kidney Damage. [Bmc Nephrology](#), 20(1): 292.
- 15 Campos Guillen, J., Arvizu Gomez, J. L., Jones, G. H., Hernandez Flores, J. L., Ramos Lopez, M. A., Cruz Hernandez, A. & Romero Gomez, S. (2019). Analysis of Trna(Cys) Processing in the Absence of Ccaase in *Bacillus Subtilis*. [Brazilian Journal of Microbiology](#), 50(3): 613-618.
- 16 Kutralam-Muniasamy, G. & Perez-Guevara, F. (2019). Comparative Genome Analysis of Completely Sequenced *Cupriavidus* Genomes Provides Insights Into the Biosynthetic Potential and Versatile Applications of *Cupriavidus Alkaliphilus* Asc-732. [Canadian Journal of Microbiology](#), 65(8): 575-595.
- 17 Chavez, D., Garcia, C. R., Oliva, J., Montes, E., Mtz-Enriquez, A. I., Garcia-Lobato, M. A. & Diaz-Torres, L. A. (2019). Effect of Yb³⁺ concentration on the green-yellow upconversion emission of SrGe₄O₉:Er³⁺ phosphors. [Ceramics International](#), 45(14): 16911-16917.
- 18 Valdez-Camacho, J. R., Cortes-Guzman, K. P., Torres-Gomez, H., Flores, R., Leyva, M. A. & Escalante, J. (2019). Kinetics, Thermodynamics, and Theoretical Studies in a Diels-Alder Dimerization Process of 3-Vinylindole Derivative of the 3-Indoleacetic Acid: an Auxin. [Chemistryselect](#), 4(28): 8311-8316.
- 19 Delgado, B. B. & Porter, R. M. (2019). Hilbert Transform for the Three-Dimensional Vekua Equation. [Complex Variables and Elliptic Equations](#), 64(11): 1797-1824.
- 20 Clempner, J. B. & Poznyak, A. S. (2019). Solving Transfer Pricing Involving Collaborative and Non-cooperative Equilibria in Nash and Stackelberg Games: Centralized-Decentralized Decision Making. [Computational Economics](#), 54(2): 477-505.
- 21 Lopez-Pacheco, G., Lopez-Juarez, R., Villafuerte-Castrejon, M. E., Falcony, C., Barrera-Calva, E. & Gonzalez, F. (2019). Luminescence Properties of Yb³⁺-Doped SrTiO₃: the Significance of the Oxygen-Titanium Charge Transfer State on Photon Downshifting. [Dalton Transactions](#), 48(31): 11889-11896.

- 22 Benitez-Bobadilla, G., Galeana-Sanchez, H. & Hernandez-Cruz, C. (2019). Characterization of color patterns by dynamic H-paths. [Discrete Applied Mathematics](#), 267: 41-51.
- 23 Rodriguez-Mendoza, J., Santiago-Hernandez, A., Alvarez-Zuniga, M. T., Gutierrez-Anton, M., Aguilar-Osorio, G. & Hidalgo-Lara, M. E. (2019). Purification and biochemical characterization of a novel thermophilic exo- β -1,3-glucanase from the thermophile biomass-degrading fungus *Thielavia terrestris* Co3Bag1. [Electronic Journal of Biotechnology](#), 41: 60-71.
- 24 Pitalua-Diaz, N., Arellano-Valmana, F., Ruz-Hernandez, J. A. et al. (2019). An Anfis-Based Modeling Comparison Study for Photovoltaic Power at Different Geographical Places in Mexico. [Energies](#), 12(14): 2662.
- 25 Alwedi, E., Lujan-Montelongo, J. A., Cortes-Mejia, R., Del Campo, J. M., Altundas, B. & Fleming, F. F. (2019). Asmic Isocyanide-Nitrile Isomerization-Alkylations. [European Journal of Organic Chemistry](#), 2019: 4644-4648.
- 26 Abada, A., Abbrescia, M., Abdussalam, S. S. et al. (2019). Fcc-Hh: the Hadron Collider: Future Circular Collider Conceptual Design Report Volume 3. [European Physical Journal-Special Topics](#), 228(4): 755-1107.
- 27 Abada, A., Abbrescia, M., Abdussalam, S. S. et al. (2019). He-Lhc: the High-Energy Large Hadron Collider Future Circular Collider Conceptual Design Report Volume 4. [European Physical Journal-Special Topics](#), 228(5): 1109-1382.
- 28 Soberanes-Gutierrez, C. V., Vazquez-Carrada, M., Lopez-Villegas, E. O., Vega-Arreguin, J. C., Villa-Tanaca, L. & Ruiz-Herrera, J. (2019). Autophagosomes accumulation in the vacuoles of the fungus *Ustilago maydis* and the role of proteases in their digestion. [Fems Microbiology Letters](#), 366(10): fnz108.
- 29 Tobias-Espinoza, J. L., Amaya-Guerra, C. A., Quintero-Ramos, A., Perez-Carrillo, E., Nunez-Gonzalez, M. A., Martinez-Bustos, F., Melendez-Pizarro, C. O., Baez-Gonzalez, J. G. & Ortega-Gutierrez, J. A. (2019). Effects of the Addition of Flaxseed and Amaranth on the Physicochemical and Functional Properties of Instant-Extruded Products. [Foods](#), 8(6): 183.
- 30 Canseco-Alba, A. & Rodriguez-Manzo, G. (2019). Endocannabinoids Interact With the Dopaminergic System to Increase Sexual Motivation: Lessons From the Sexual Satiety Phenomenon. [Frontiers in Behavioral Neuroscience](#), 13: 184.
- 31 Eisemann, A. R., Munoz, J. L. M., Mcfield, M., Myton, J. & Arias-Gonzalez, J. E. (2019). The Effect of Algal-Gardening Damselfish on the Resilience of the Mesoamerican Reef. [Frontiers in Marine Science](#), 6: 414.
- 32 Ortega-Ortega, J., Ramirez-Ortega, F. A., Ruiz-Medrano, R. & Xoconostle-Cazares, B. (2019). Analysis of Genome Size of Sixteen *Coffea Arabica* Cultivars Using Flow Cytometry. [Hortscience](#), 54(6): 998-+.

- 33 Mendez-Garcia, L. A., Martinez-Castillo, M., Villegas-Sepulveda, N., Orozco, L. & Cordova, E. J. (2019). Curcumin Induces P53-Independent Inactivation of Nrf2 During Oxidative Stress-Induced Apoptosis. [Human & Experimental Toxicology](#), 38(8): 951-961.
- 34 Ren, J. T., Hao, J. K. & Rodriguez-Tello, E. (2019). An Iterated Three-Phase Search Approach for Solving the Cyclic Bandwidth Problem. [IEEE Access](#), 7: 98436-98452.
- 35 Wang, W. J., Yang, S. Q., Lin, Q. Z., Zhang, Q. F., Wong, K. C., Coello, C. A. C. & Chen, J. Y. (2019). An Effective Ensemble Framework for Multiobjective Optimization. [IEEE Transactions on Evolutionary Computation](#), 23(4): 645-659.
- 36 Yang, J., Chai, T. Y., Luo, C. M. & Yu, W. (2019). Intelligent Demand Forecasting of Smelting Process Using Data-Driven and Mechanism Model. [IEEE Transactions on Industrial Electronics](#), 66(12): 9745-9755.
- 37 Galaviz-Aguilar, J. A., Nunez-Perez, J. C., Perez-Pinal, F. J. & Tlelo-Cuautle, E. (2019). Fpga Realisation of N-Qam Digital Modulators. [IEEE Technical Review](#), 36(3): 315-325.
- 38 Martinez-Garcia, S., Chavez-Cabrera, C., Quintana, E. T. et al. (2019). Differential Expression of the Apxrs System by Antimicrobial Peptide LI-37 in Commensal and Clinical Staphylococcus Epidermidis Isolates. [Indian Journal of Microbiology](#), 59(3): 295-303.
- 39 Buitron, G., Hernandez-Juarez, A., Hernandez-Ramirez, M. D. & Sanchez, A. (2019). Biochemical methane potential from lignocellulosic wastes hydrothermally pretreated. [Industrial Crops and Products](#), 139: 111555.
- 40 Licona-Juarez, K. C., Acosta-Garcia, G., Ramirez-Medina, H., Huanca-Mamani, W. & Guevara-Olvera, L. (2019). Rapid and accurate PCR-based and boiling DNA isolation methodology for specific detection of sclerotium cepivorum in garlic (Allium sativum) cloves. [Interciencia](#), 44(2): 71-74.
- 41 Velazquez-Sanchez, H. I. & Aguilar-Lopez, R. (2019). Multi-Objective Optimization of an Abe Fermentation System for Butanol Production as Biofuel. [International Journal of Chemical Reactor Engineering](#), 17(7): 20180214.
- 42 Fragoso-Rubio, V., Velasco-Villa, M., Hernandez-Perez, M. A., Del Muro-Cuellar, B. & Marquez-Rubio, J. F. (2019). Prediction-Observer Scheme for Linear Systems With Input-Output Time-Delay. [International Journal of Control Automation and Systems](#), 17(8): 2012-2025.
- 43 Hernandez-Gonzalez, O., Guerrero-Sanchez, M. E., Farza, M., Menard, T., M'saad, M. & Lozano, R. (2019). High Gain Observer for a Class of Nonlinear Systems With Coupled Structure and Sampled Output Measurements: Application to a Quadrotor. [International Journal of Systems Science](#), 50(5): 1089-1105.
- 44 Casallas-Moreno, Y. L., Villa-Martinez, G., Ramirez-Lopez, M. et al. (2019). Growth mechanism and physical properties of the type-I In_{0.145}Ga_{0.855}As_{1-y}/GaSb alloys with low As content for near infrared applications. [Journal of Alloys and Compounds](#), 808: 151690.

45 Aguilar-Medrano, R. & Vega-Cendejas, M. E. (2019). Biogeographical Affinities, Trophodynamics, and Fisheries Pressure in the Fish Community of the Laguna Madre Tamaulipas. [Journal of Applied Ichthyology](#), 35(4): 908-916.

46 Salas-Herrera, G., Gonzalez-Morales, S., Benavides-Mendoza, A., Castaneda-Facio, A. O., Fernandez-Luqueno, F. & Robledo-Olivo, A. (2019). Impact of Microalgae Culture Conditions Over the Capacity of Copper Nanoparticle Biosynthesis. [Journal of Applied Phycology](#), 31(4): 2437-2447.

47 Cifuentes-Goches, J. C., Hernandez-Ancheyta, L., Guarneros, G., Oviedo, N. & Hernandez-Sanchez, J. (2019). Domains two and three of Escherichia coli ribosomal S1 protein confers 30S subunits a high affinity for downstream A/U-rich mRNAs. [Journal of Biochemistry](#), 166(1): 29-40.

48 Rosales-Diaz, I., Lopez-Gutierrez, J. R., Suarez, A. E. Z., Salazar, S. R., Osorio-Cordero, A., Aguilar-Sierra, H. & Lozano, R. (2019). Comparison of Control Techniques in a Weight Lifting Exoskeleton. [Journal of Bionic Engineering](#), 16(4): 663-673.

49 Menchaca-Ballinas, L. E. & Escalante-Garcia, J. I. (2019). Low CO2 emission cements of waste glass activated by CaO and NaOH. [Journal of Cleaner Production](#), 239: 117992.

50 Nepita-Villanueva, M. R., Berlanga-Robles, C. A., Ruiz-Luna, A. & Barcenas, J. H. M. (2019). Spatio-Temporal Mangrove Canopy Variation (2001-2016) Assessed Using the Modis Enhanced Vegetation Index (Evi). [Journal of Coastal Conservation](#), 23(3): 589-597.

51 Ramirez-Aparicio, J., Pathirana, T. M. S. K., Nguyen, H. Q., Stefan, M. C., Samaniego-Benitez, J. E., Salinas-Bravo, V. M. & Ramirez-Bon, R. (2019). Synthesis of P3HT base semiconducting hybrid films and their photocatalytic properties. [Journal of Coatings Technology and Research](#), 16(4): 1065-1075.

52 Bommarito, P. A., Beck, R., Douillet, C., Del Razo, L. M., Garcia-Vargas, G.-G., Valenzuela, O. L., Sanchez-Peña, L. C., Styblo, M. & Fry, R. C. (2019). Evaluation of plasma arsenicals as potential biomarkers of exposure to inorganic arsenic. [Journal of Exposure Science and Environmental Epidemiology](#), 29: 718-729.

53 Gonzalez-Herrera, S. M., Rocha-Guzman, N. E., Simental-Mendia, L. E., Rodriguez-Herrera, R., Aguilar, C. N., Rutiaga-Quinones, O. M., Lopez, M. G. & Gamboa-Gomez, C. I. (2019). Dehydrated Apple-Based Snack Supplemented With Agave Fructans Exerts Prebiotic Effect Regulating the Production of Short-Chain Fatty Acid in Mice. [Journal of Food Processing and Preservation](#), 43(8): e14026.

54 Miranda, O. G., Papoulias, D. K., Tortola, M. & Valle, J. W. F. (2019). Probing Neutrino Transition Magnetic Moments With Coherent Elastic Neutrino-Nucleus Scattering. [Journal of High Energy Physics](#), (7): 103.

55 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for charged Higgs bosons in the H⁺-tau⁺-nu tau decay channel in proton-proton collisions at root s=13 TeV. [Journal of High Energy Physics](#), 2019(7): 142.

- 56 Badillo-Olvera, A., Perez-Gonzalez, A., Begovich, O. & Ruiz-Leon, J. (2019). Burst Detection and Localization in Water Pipelines Based on an Extended Differential Evolution Algorithm. [Journal of Hydroinformatics](#), 21(4): 593-606.
- 57 Kravchenko, V. V. (2019). On a method for solving the inverse Sturm-Liouville problem. [Journal of Inverse and Ill-Posed Problems](#), 27(3): 401-407.
- 58 Martinez-Saucedo, G., Torres-Castanedo, C. G., Arias-Ceron, S., Castanedo-Perez, R., Torres-Delgado, G. & Zelaya-Angel, O. (2019). Photoluminescence of Cu₂O nanostructured in stressed thin films induced by temperature. [Journal of Luminescence](#), 215: 116642.
- 59 Alcerreca-Huerta, J. C., Encarnacion, J. I., Ordonez-Sanchez, S. et al. (2019). Energy Yield Assessment From Ocean Currents in the Insular Shelf of Cozumel Island. [Journal of Marine Science and Engineering](#), 7(5): 147.
- 60 Miranda, H., Velumani, S., Samudio-Perez, C. A., Krause, J. C., D'Souza, F., De Obaldia, E. & Ching-Prado, E. (2019). Effects of Changes on Temperature and Fluorine Concentration in the Structural, Optical and Electrical Properties of SnO₂:F Thin Films. [Journal of Materials Science-Materials in Electronics](#), 30(16): 15563-15581.
- 61 Cruz-Gandarilla, F., Bolmaro, R. E., Mendoza-Leon, H. F., Salcedo-Garrido, A. M. & Cabanas-Moreno, J. G. (2019). Study of Recovery and First Recrystallisation Kinetics in Cgo Fe₃%Si Steels Using Misorientation-Derived Parameters (Ebsd). [Journal of Microscopy](#), 275(3): 133-148.
- 62 Morales-Luna, M., Arvizu, M. A., Perez-Gonzalez, M. & Tomas, S. A. (2019). Effect of a Cdse Layer on the Thermo- and Photochromic Properties of Moo₃ Thin Films Deposited by Physical Vapor Deposition. [Journal of Physical Chemistry C](#), 123(28): 17083-17091.
- 63 Martinez-Vargas, B. L., Duron-Torres, S. M., Bahena, D., Rodriguez-Lopez, J. L., Peralta-Hernandez, J. M. & Picos, A. (2019). One-pot synthesis of ZnO-Ag and ZnO-Co nanohybrid materials for photocatalytic applications. [Journal of Physics and Chemistry of Solids](#), 135: 109120.
- 64 Diaz-Bautista, E., Concha-Sanchez, Y. & Raya, A. (2019). Barut-Girardello Coherent States for Anisotropic 2d-Dirac Materials. [Journal of Physics-Condensed Matter](#), 31(43): 435702.
- 65 Ramirez-Flores, C. J., Cruz-Miron, R., Mondragon-Castelan, M. E., Gonzalez-Pozos, S., Rios-Castro, E. & Mondragon-Flores, R. (2019). Proteomic and structural characterization of self-assembled vesicles from excretion/secretion products of Toxoplasma gondii. [Journal of Proteomics](#), 208: 103490.
- 66 Iglesias, S. P., Arias-Duran, A., Yanez-Limon, J. M., Ramirez-Bon, R., Hurtado-Macias, A., Arnache, O., Gomez, M. E., Lopera, W. & Zambrano, G. (2019). Effect of Zn Concentration on the Structure, Morphology, and Magnetic Behavior of Ni_{1-x}Zn_xFe₂O₄ Ferrofluid. [Journal of Superconductivity and Novel Magnetism](#), 32(7): 2199-2208.

- 67 Avendano, O., Velazquez-Abunader, I., Fernandez-Jardon, C., Angeles-Gonzalez, L. E., Hernandez-Flores, A. & Guerra, A. (2019). Biomass and distribution of the red octopus (*Octopus maya*) in the north-east of the Campeche Bank. [Journal of the Marine Biological Association of the United Kingdom](#), 99(6): 1317-1323.
- 68 Sanchez-Tapia, I. A., Slater, M. & Olvera-Novoa, M. A. (2019). Evaluation of the Growth and Survival Rate of the Caribbean Sea Cucumber, *Isostichopus Badionotus* (Selenka, 1867), Early Juveniles Produced in Captivity. [Journal of the World Aquaculture Society](#), 50(4): 763-773.
- 69 Clavijo-Mejia, G. A., Espinosa-Arbelaez, D. G., Hermann-Munoz, J. A., Giraldo-Betancur, A. L. & Munoz-Saldana, J. (2019). Effect of HVOF Process Parameters on TiO₂ Coatings: An Approach Using DoE and First-Order Process Maps. [Journal of Thermal Spray Technology](#), 28(6): 1160-1172.
- 70 Aguilar-Medrano, R. & Vega-Cendejas, M. E. (2019). Implications of the Environmental Heterogeneity on the Distribution of the Fish Functional Diversity of the Campeche Bank, Gulf of Mexico. [Marine Biodiversity](#), 49(4): 1913-1929.
- 71 Lionetto, F., Lopez-Munoz, R., Espinoza-Gonzalez, C., Mis-Fernandez, R., Rodriguez-Fernandez, O. & Maffezzoli, A. (2019). A study on exfoliation of expanded graphite stacks in Candelilla wax. [Materials](#), 12(16): 2530.
- 72 Fernandez-Arguijo, B., Contreras-Briseno, A., Gutierrez-Castaneda, E. J. & Almanza-Robles, J. M. (2019). Effect of Fe₂O₃, V₂O₅ and vanadium slag on the corrosion of NiAl₂O₄ spinel. [Materials Chemistry and Physics](#), 234: 288-295.
- 73 Chino-Ulloa, A., Hernandez-Alejandro, M., Castrejon-Flores, J. L., Cabrera-Gonzalez, M., Torres-Avila, I. P., Velazquez, J. C., Ruiz-Trabolsi, P. A. & Hernandez-Sanchez, E. (2019). Development of Ultra-Low Friction Coefficient Films and Their Effect on the Biocompatibility of Biomedical Steel. [Materials Transactions](#), 60(8): 1605-1613.
- 74 Fragoso-Rubio, V., Velasco-Villa, M., Vallejo-Alarcon, M. A., Vasquez-Santacruz, J. A. & Hernandez-Perez, M. A. (2019). Consensus Problem for Linear Time-Invariant Systems With Time-Delay. [Mathematical Problems in Engineering](#), 2019: 1607474.
- 75 Sanchez-Alegria, A., Moreno, P., Loo-Yau, J. R. & Ortega-Cisneros, S. (2019). Time Domain Electromagnetic Transient Analysis of Aerial Nonuniform Transmission Lines Excited by an Incident Electromagnetic Field. [Mathematical Problems in Engineering](#), 2019: 4725024
- 76 Castillo-Gonzalez, R., Clempner, J. B. & Poznyak, A. S. (2019). Solving traffic queues at controlled-signalized intersections in continuous-time Markov games. [Mathematics and Computers in Simulation](#), 166: 183-297.
- 77 Moreno-Pedraza, A., Gabriel, J., Treutler, H., Winkler, R. & Vergara, F. (2019). Effects of Water Availability in the Soil on Tropane Alkaloid Production in Cultivated *Datura Stramonium*. [Metabolites](#), 9(7): 131.
- 78 Feliu, S., Veleva, L. & Garcia-Galvan, F. (2019). Effect of Temperature on the Corrosion Behavior of Biodegradable Az31b Magnesium Alloy in Ringer's Physiological Solution. [Metals](#), 9(5): 591.

- 79 Santos-Munguia, P. C., Nava-Alonso, F., Rodriguez-Chavez, V. M. & Alonso-Gonzalez, O. (2019). Hidden gold in fire assay of gold telluride ores. [Minerals Engineering](#), 141: 105844.
- 80 Amaya, E., Alarcon, L., Martin-Tapia, D. et al. (2019). Activation of the Ca²⁺ Sensing Receptor and the Pkc/Wnk4 Downstream Signaling Cascade Induces Incorporation of Zo-2 to Tight Junctions and Its Separation From 14-3-3. [Molecular Biology of the Cell](#), 30(18): 2377-2398.
- 81 Borgonio-Cuadra, V. M., Valdez-Vargas, C., Romero-Cordoba, S., Hidalgo-Miranda, A., Tapia-Guerrero, Y., Cerecedo-Zapata, C. M., Hernandez-Hernandez, O., Cisneros, B. & Magana, J. J. (2019). Wide Profiling of Circulating Micrnas in Spinocerebellar Ataxia Type 7. [Molecular Neurobiology](#), 56(9): 6106-6120.
- 82 Tomlinson, K. R., Pablo-Rodriguez, J. L., Bunawan, H. et al. (2019). Cassava Brown Streak Virus Ham1 Protein Hydrolyses Mutagenic Nucleotides and Is a Necrosis Determinant. [Molecular Plant Pathology](#), 20(8): 1080-1092.
- 83 Diaz-Fernandez, M., Salazar, M. I., Joseph-Nathan, P. & Burgueno-Tapia, E. (2019). Configurational Study of Diastereoisomeric Royleanone Diterpenoids From *Salvia Concolor*. [Natural Product Communications](#), 14(7): 1-8.
- 84 Pfennig, M. B. N., Dongol, K. G., Boston, G. M. R., Schmitz, S., Wartchow, R., Samaniego-Rojas, J. D., Koster, A. M. & Butenschon, H. (2019). Trifluoromethyl-Substituted Benzocyclobutenone and Benzocyclobutenedione: the Structure Anomaly of (Benzocyclobutenedione)Tricarbonylchromium Complexes. [Organometallics](#), 38(15): 3039-3052.
- 85 Miranda-Ozuna, J. F. T., Rivera-Rivas, L. A., Cardenas-Guerra, R. E., Hernandez-Garcia, M. S., Rodriguez-Cruz, S., Gonzalez-Robles, A., Chavez-Munguia, B. & Arroyo, R. (2019). Glucose-Restriction Increases *Trichomonas Vaginalis* Cellular Damage Towards Hela Cells and Proteolytic Activity of Cysteine Proteinases (Cps), Such as Tvcp2. [Parasitology](#), 146(9): 1156-1166.
- 86 Sanchez-Lopez, K. B., De Los Santos-Ramos, F. J., Gomez-Acata, E. S., Luna-Guido, M., Navarro-Noya, Y. E., Fernandez-Luqueno, F. & Dendooven, L. (2019). TiO₂ Nanoparticles Affect the Bacterial Community Structure and *Eisenia Fetida* (Savigny, 1826) in an Arable Soil. [PeerJ](#), 7: e6939.
- 87 Ramirez, A., Sipahi, R., Mondie, S. & Garrido, R. (2019). Fast Consensus in a Large-Scale Multi-Agent System With Directed Graphs Using Time-Delayed Measurements. [Philosophical Transactions of the Royal Society a-Mathematical Physical and Engineering Sciences](#), 377(2153): 20180130.
- 88 Evrard, B., Qu, A., Jimenez-Garcia, K., Dalibard, J. & Gerbier, F. (2019). Relaxation and Hysteresis Near Shapiro Resonances in a Driven Spinor Condensate. [Physical Review A](#), 100(2): 023604.
- 89 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Centrality and Pseudorapidity Dependence of the Transverse Energy Density in Ppb Collisions Ats Root S(Nn)=5.02 Tev. [Physical Review C](#), 100(2): 024902.
- 90 Acharya, S., Adamova, D., Adhya, S. P. et al. (2019). One-Dimensional Charged Kaon Femtoscopy in P-Pb Collisions at Root S(Nn)=5.02 Tev. [Physical Review C](#), 100(2): 024002.

- 91 Ayon-Beato, E., Bravo-Gaete, M., Correa, F., Hassaine, M. & Juarez-Aubry, M. M. (2019). Microscopic Entropy of Higher-Dimensional Nonminimally Dressed Lifshitz Black Holes. [Physical Review D](#), 100(4): 044024.
- 92 Abazov, V. M., Abbott, B., Acharya, B. S. et al. (2019). Properties of $Z(C)(+/-)(3900)$ Produced in $P(P)$ Over-Bar Collisions. [Physical Review D](#), 100(1): 012005.
- 93 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for the Production of $(Www -/+)-W-+/-W-+/-$ Events at $\sqrt{s}=13$ TeV. [Physical Review D](#), 100(1): 012004.
- 94 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. [Physics Letters B](#), 797: 134826.
- 95 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement of $B(0)(s)$ meson production in pp and PbPb collisions at $\sqrt{s}=5.02$ TeV. [Physics Letters B](#), 796: 168-190.
- 96 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement of Electroweak Wz Boson Production and Search for New Physics in Wz Plus Two Jets Events in Pp Collisions at $\sqrt{s}=13$ TeV. [Physics Letters B](#), 795: 281-307.
- 97 Acharya, S., Adamovi, D., Adhya, S. P. et al. (2019). Measurement of jet radial profiles in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. [Physics Letters B](#), 796: 204-219.
- 98 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for an Exotic Decay of the Higgs Boson to a Pair of Light Pseudoscalars in the Final State With Two Muons and Two B Quarks in Pp Collisions at 13 TeV. [Physics Letters B](#), 795: 398-423.
- 99 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Higgs and Z boson decays to J/ψ or Y pairs in the four-muon final state in proton-proton collisions at $\sqrt{s}=13$ TeV. [Physics Letters B](#), 797: 134811.
- 100 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV. [Physics Letters B](#), 796: 131-154.
- 101 Xiao, T. T., Raygoza, A. A., Perez, J. C. et al. (2019). Emergent Protective Organogenesis in Date Palms: a Morpho-Devo-Dynamic Adaptive Strategy During Early Development. [Plant Cell](#), 31(8): 1751-1766.
- 102 Castro-Torres, E., Jimenez-Sandoval, P., Romero-Romero, S., Fuentes-Pascacio, A., Lopez-Castillo, L. M., Diaz-Quezada, C., Fernandez-Velasco, D. A., Torres-Larios, A. & Brieba, L. G. (2019). Structural basis for the modulation of plant cytosolic triosephosphate isomerase activity by mimicry of redox-based modifications. [Plant Journal](#), 99(5): 950-964.

- 103 Gonzalez-Rodriguez, T., Cisneros-Hernandez, I., Bayona, J. A., Ramirez-Chavez, E., Martinez-Gallardo, N., Mellado-Mojica, E., Lopez-Perez, M. G., Molina-Torres, J. & Delano-Frier, J. (2019). Identification of Factors Linked to Higher Water-Deficit Stress Tolerance in *Amaranthus Hypochondriacus* Compared to Other Grain Amaranths and *A. Hybridus*, Their Shared Ancestor. [Plants-Basel](#), 8(7): 239.
- 104 Villasenor-Altamirano, A. B., Watson, J. D., Prokopec, S. D., Yao, C. Q., Boutros, P. C., Pohjanvirta, R., Valdes-Flores, J. & Elizondo, G. (2019). 2,3,7,8-Tetrachlorodibenzo-p-dioxin modifies alternative splicing in mouse liver. [PloS One](#), 14(8): e0219747.
- 105 Gaona, O., Gomez-Acata, E. S., Cerqueda-Garcia, D., Neri-Barrios, C. X. & Falcon, L. I. (2019). Fecal microbiota of different reproductive stages of the central population of the lesser-long nosed bat, *Leptonycteris yerbabuenae*. [PloS One](#), 14(7): e0219982.
- 106 Orozco-Diaz, R., Sanchez-Alvarez, A., Hernandez-Hernandez, J. M. & Tapia-Ramirez, J. (2019). The interaction between RE1-silencing transcription factor (REST) and heat shock protein 90 as new therapeutic target against Huntington's disease. [PloS One](#), 14(7): e0220393.
- 107 Toriz, C. G., Melo, A. I., Solano-Agama, C. et al. (2019). Physiological changes of growth hormone during lactation in pup rats artificially reared. [PloS One](#), 14(8): e0220853.
- 108 Arancibia, R., Huentupil, Y., Buono-Core, G. E., Fuentealba, M., Chornik, B., Mendoza-Galvan, A. & Cabello-Guzman, G. (2019). Effect of annealing temperature on the structural, morphological and optical properties of ThO₂ thin films grown by photochemical metal-organic deposition. [Polyhedron](#), 171: 374-381.
- 109 Rendon-Anaya, M., Ibarra-Laclette, E., Mendez-Bravo, A. et al. (2019). The Avocado Genome Informs Deep Angiosperm Phylogeny, Highlights Introgressive Hybridization, and Reveals Pathogen-Influenced Gene Space Adaptation. [Proceedings of the National Academy of Sciences of the United States of America](#), 116(34): 17081-17089.
- 110 Villalpando-Reyna, A., Cortes-Hernandez, D. A., Granjeiro, J. M., Prado, M., Gorokhovskiy, A. V., Escobedo-Bocardo, J. C., Almanza-Robles, J. M. & Renteria-Zamarron, D. (2019). Development of Bioactive and Biocompatible Ceramic Composites Based on Potassium Polytitanate. [Processing and Application of Ceramics](#), 13(2): 149-156.
- 111 Cornejo-Granados, F., De La Barca, A. M. C., Torres, N. et al. (2019). Microbiome-Mx 2018: Microbiota and Microbiome Opportunities in Mexico, a Megadiverse Country. [Research in Microbiology](#), 170(4-5): 235-241.
- 112 Cordero, F., Del Valle, T. & Morales, A. (2019). Uses of the Optimization of Engineers in Training: the Role of Mechatronic Engineering and the Work of Lagrange. [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 22(2): 185-212.
- 113 Kuk-Dzul, J. G., Solis-Marin, F. A., Herrera-Dorantes, M. T. & Ardisson, P. L. (2019). Brittle Stars (Echinodermata: Ophiuroidea) of Coastal Lagoons From the Northern Yucatan Peninsula, Mexico. [Revista Mexicana De Biodiversidad](#), 90: e902698.

- 114 Lira-Perez, J., Hidalgo-Lara, M. E., Melendez-Estrada, J., Gonzalez-De Jesus, B. J. & Rodriguez-Vazquez, R. (2019). The Contribution of H₂O₂ Produced by *Aspergillus Niger* in Vat Blue Dye Discoloration: Enhancement by a Statistical Optimization Methodology. [Revista Mexicana De Ingenieria Quimica](#), 18(2): 701-714.
- 115 Igno-Rosario, O., Hernandez-Aguilar, C., Cruz-Orea, A. & Dominguez-Pacheco, A. (2019). Interactive system for painting artworks by regions using a robot. [Robotics and Autonomous Systems](#), 121: 103263.
- 116 Vlasova, M., Kakazey, M., Marquez-Aguilar, P. A., Guardian-Tapia, R., Castro-Hernandez, A., Mel'nikov, I., Fironov, Y. & Bahena-Urbe, D. (2019). Processes connected with local laser heating of TiB₂ armor ceramics. [Science of Sintering](#), 51(2): 1-10.
- 117 Acosta-Silva, Y. J., Torres-Pacheco, I., Matsumoto, Y., Toledano-Ayala, M., Soto-Zarazua, G. M., elaya-Angel, O. & Mendez-Lopez, A. (2019). Applications of solar and wind renewable energy in agriculture: A review. [Science Progress](#), 102(2): 127-140.
- 118 Muniz-Castillo, A. I., Rivera-Sosa, A., Chollett, I., Eakin, C. M., Andrade-Gomez, L., Mcfield, M. & Arias-Gonzalez, J. E. (2019). Three Decades of Heat Stress Exposure in Caribbean Coral Reefs: a New Regional Delineation to Enhance Conservation. [Scientific Reports](#), 9: 11013.
- 119 Estrada-Cabrera, E., Torres-Ferrer, L. R., Aztatzi-Aguilar, O. G. et al. (2019). Chitosan-bioglass coatings on partially nanostructured anodized Ti-6Al-4V alloy for biomedical applications. [Surface & Coatings Technology](#), 375: 468-476.
- 120 Gomez, M. A., Egorov, A. V., Mondie, S. & Zhabko, A. P. (2019). Computation of the Lyapunov matrix for periodic time-delay systems and its application to robust stability analysis. [Systems & Control Letters](#), 132: 104501.
- 121 Fuentes-Hernandez, S., Alarcon-Sanchez, B. R., Guerrero-Escalera, D. et al. (2019). Chronic Administration of Diethylnitrosamine to Induce Hepatocarcinogenesis and to Evaluate Its Synergistic Effect With Other Hepatotoxins in Mice. [Toxicology and Applied Pharmacology](#), 378: 114611.
- 122 Godinez-Solis, Y., Solis-Heredia, M. J., Roa-Espitia, A., Parra-Forero, L. Y., Hernandez-Gonzalez, E. O., Hernandez-Ochoa, I. & Quintanilla-Vega, B. (2019). Low concentrations of lead decrease the sperm fertilization ability by altering the acrosome reaction in mice. [Toxicology and Applied Pharmacology](#), 380: 114694.
- 123 Rincon-Sandoval, L. A., Velazquez-Abunader, I. & Brule, T. (2019). Factors Affecting Catchability in Longline Fishing of Red Grouper in the Southeastern Gulf of Mexico. [Transactions of the American Fisheries Society](#), 148(4): 857-868.
- 124 Romero-Lopez, N., Luna-Martinez, F., Gallegos-Brito, C., Escobar-Turriza, P., Aguilar-Espinosa, M., Valdez-Ojeda, R., Simpson, J. & Rivera-Madrid, R. (2019). An Integrated Genetic Linkage Map of *Bixa Orellana* L. [Tree Genetics & Genomes](#), 15(4): 65.

125 Calderon-Perez, B., Piedra-Ibarra, E., De la Torre-Almaraz, R., Xoconostle-Cazares, B. & Ruiz-Medrano, R. (2019). Host-specific loss of sequences of an alfalfa mosaic virus isolate during systemic infection. [Virus Research](#), 272: 197703.

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

126 Ros, E., Barquera, Z., Ortega, P. R., Gerling, L. G., Masmitja, G., Martin, I., Alcubilla, R., Puigdollers, J. & Voz, C. (2019). Improved Electron Selectivity in Silicon Solar Cells by Cathode Modification with a Dipolar Conjugated Polyelectrolyte Interlayer. [Acs Applied Energy Materials](#), 2(8): 5954-5959.

127 Farfan-Marquez, R. M. & Romero-Fonseca, F. W. (2019). Learning situation for the trigonometric fourier series from a socio-epistemological stand point. [Acta Scientiae](#), 21(2): 28-48.

128 Palmerin-Carreno, D. M., Cordero-Soto, I. N., Valle-Cervantes, S., Rios-Nunez, L. G., Prado-Barragan, L. A. & Rutiaga-Quinones, O. M. (2019). Multiphase bioreactors in the food industry: Aroma production. [Advances in Chemical Engineering](#), 54, 151-193.

129 Sanchez-Adame, L. M., Mendoza, S., Meneses-Viveros, A., & Rodriguez, J. (2019). Consistency in Multi-device Environments: A Case Study. [Advances in Intelligent Systems and Computing](#), 997, 232-242.

130 Macias, J. D., Bante-Guerra, J., Romero-Paredes, H., Arancibia-Bulnes, C. A., Villafan-Vidales, H. I., Ares-Muzio, O. E., Ramos-Sanchez, V. & Alvarado-Gil, J. J. (2019). Photothermal and thermography techniques applied in the characterization of the thermophysical properties of solar absorbers: A review. [Aip Conference Proceedings](#), 2126, 020002.

131 Inzunza-Cazares, S. & Islas-Anguiano, E. (2019). Design and evaluation of a hypothetical learning trajectory to confidence intervals based on simulation and real data. [Bolema - Mathematics Education Bulletin](#), 33(63): 1-26.

132 Cuevas, Y. & Rangel, K. (2019). Analysis of the teaching career in primary education in Mexico: Between credentialism and meritocracy. [Education Policy Analysis Archives](#), 27(44): 1-23.

133 Mendez-Arreola, R. & Kalman, J. (2019). What local scientists write. Text as a social action. [Ikala](#), 24(2): 271-290.

134 Rivera-Figueroa, A. & Guevara-Basaldua, V. (2019). On Conceptual Aspects of Calculus: a Study With Engineering Students From a Mexican University. [International Journal of Mathematical Education in Science and Technology](#), 50(6): 883-894.

135 Godina-Nava, J. J., Eduardo-Ambrosio, P. & Sanchez-Dominguez, D. (2019). Comparative analyzes of 120 Hz Electromagnetic Field, respect the interferon-Beta and Transfer Factor effect in the recovery of chronic ulcers measuring the frequency of the lymphocytes CD4+ and CD8+ in an animal model. [Journal of Physics Conference Series](#), 1221: 012056.

- 136 Godina-Nava, J. J., Galan-Vera, M. M., Eduardo-Ambrosio, P. & Sanchez-Dominguez, D. (2019). Kinematical analyses and of stability for star-gear wheelchair type to climb ladders independently. [Journal of Physics Conference Series](#), 1221: 012057.
- 137 Olvera, L. I., Villanueva, G. C., Cruz, A., Sanchez, N., Olvera, S. J. & Alvarado, M. L. (2019). Relationship between haemoglobin and glucose in type 1 experimental diabetes. [Journal of Physics Conference Series](#), 1221: 012070.
- 138 Lopez-Esquivel, R. I., Guzman-Mendoza, J., Rivera-Montalvo, T., Torres, J. G., Guzman-Olguin, J. C. & Falcony, C. (2019). Temperature effect on the luminescent emission of hafnium oxide doped with europium ion. [Journal of Physics Conference Series](#), 1221: 012003.
- 139 Gonzalez-Amezcuca, O. & Hernandez-Contreras, M. (2019). The electrolytes in layered charged interfaces modulate the total pressure by ion condensation. [Journal of Physics Conference Series](#), 1221: 012022.
- 140 Peredo-Ortiz, R. & Hernandez-Contreras, M. (2019). Viscoelastic moduli of ferrofluid. [Journal of Physics Conference Series](#), 1221: 012023.
- 141 Yu, W., Li, X. & Gonzalez, J. (2019). Fast Training of Deep LSTM Networks. [Lecture Notes in Computer Science](#), 11554, 3-10.
- 142 Ramirez-Diaz, A. J., Rodriguez-Garcia, J., Mendoza, S. & Meneses-Viveros, A. (2019). Indoor Location and Tracking System Using Computer Vision. [Lecture Notes in Computer Science](#), 11354, 613-624.
- 143 Chairez, I., Poznyak, A., Nazin, A., & Poznyak, T. (2019). Projectional Learning Laws for Differential Neural Networks Based on Double-Averaged Sub-Gradient Descent Technique. [Lecture Notes in Computer Science](#), 11554, 28-38.
- 144 Gaxiola-Tirado, J. A., Rodriguez-Ugarte, M., Ianez, E., Ortiz, M., Gutierrez, D., & Azorin, J. M. (2019). The Effect of tDCS on EEG-Based Functional Connectivity in Gait Motor Imagery. [Lecture Notes in Computer Science](#), 11486, 3-10.
- 145 Sanchez-Adame, L. M., Mendoza, S., Meneses-Viveros, A., & Rodriguez, J. (2019). Towards a Set of Design Guidelines for Multi-device Experience. [Lecture Notes in Computer Science](#), 11566, 210-223.
- 146 Hernandez-Rubio, E., Meneses-Viveros, A. & Munoz-Salazar, L. (2019). User Experience in Older Adults Using Tablets for Neuropsychological Tests in Mexico City. [Lecture Notes in Computer Science](#), 11577, 135-149.
- 147 Didou-Aupetit, S. (2019). La internacionalizacion de las universidades mexicanas hacia Asia del Este: Una modalidad de cooperacion Sur-Sur? [Perfiles Educativos](#), 40(163): 138-155.
- 148 Ponce, A., Del Toro, A. O., Jimenez, L., Eligio-Garcia, L. & Jimenez-Cardoso, E. (2019). Injection of Mrna Isolated From Trophozoites of Giardia Intestinalis Induces Expression of Three Types of Chloride Currents in Xenopus Laevis Oocytes. [Physiological Reports](#), 7(11): e14029.

- 149 Block-Sevilla, D., Ramirez-Badillo, M. & Resendiz-Zamudio, L. (2019). ¿Cuanto pesa?, cuanto mide?: Una experiencia didáctica en una escuela primaria unitaria. [Revista Mexicana De Investigacion Educativa](#), 24(81): 537-564.
- 150 Weiss, E., Block-Sevilla, D., Civera, A., Davalos, A. & Naranjo, G. (2019). La enseñanza de distintas asignaturas en escuelas primarias: Una mirada a la práctica docente. [Revista Mexicana De Investigacion Educativa](#), 24(81): 349-374.
- 151 Lopez-Luna, J., Ramirez-Montes, L. E., Martinez-Vargas, S. et al. (2019). Linear and Nonlinear Kinetic and Isotherm Adsorption Models for Arsenic Removal by Manganese Ferrite Nanoparticles. [Sn Applied Sciences](#), 1(8): 950.
- 152 Silva-Juarez, A., Rodriguez-Gomez, G., De La Fraga, L. G., Guillen-Fernandez, O. & Tlelo-Cuautle, E. (2019). Optimizing the Kaplan-Yorke Dimension of Chaotic Oscillators Applying De and Pso. [Technologies](#), 7(2): 38.

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

- 153 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Erratum to: Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $s = 13$ TeV (Journal of High Energy Physics, (2018), 2018, 6, (127), 10.1007/JHEP06(2018)127). [Journal of High Energy Physics](#), 2019(3): 128.
- 154 Soto-Castro, L., Plata-Guzman, L. Y., Figueroa-Angulo, E. E. et al. (2019). Corrigendum: Iron responsive-like elements in the parasite Entamoeba histolytica. [Microbiology](#), 165(3): 366.
- 155 Cantoral, R., Reyes-Gasperini, D., Perez, B. C. & Jarquin, D. W. R. (2019). What We Know About Relime Readers? [Revista Latinoamericana De Investigacion En Matematica Educativa-Relime](#), 22(2): 133-138.
- 156 Block, D., Civera, A., Dussel, I., Hernandez, D. & Davalos, A. (2019). Eduardo Weiss. [Revista Mexicana De Investigacion Educativa](#), 24(81): 343-347.
- 157 Li, W. Q., Herrera-Estrella, L. & Tran, L. S. P. (2019). Do Cytokinins and Strigolactones Crosstalk During Drought Adaptation? [Trends in Plant Science](#), 24(8): 669-672.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

- 158 Fernandez-Herrera, M., Hilario-Martinez, J. C., Delit-Garcia, W., Zeferino-Diaz, R., Sandoval-Ramirez, J., Merino, G. & Jin, Z. D. (2019). Metal-Free C-C Bond Cleavage of Cholestane Model Aldehydes in Water. Abstracts of Papers of the American Chemical Society, 257.

- 159 Loza-Mejia, M., Borbolla-Alvarez, S., Delgado, A., Valdes, M. P. E., Tejeda, J. F. S., Ceron-Nava, A., Quintana-Romero, O. J., Ariza-Castolo, A. & Garcia-Del Rio, D. F. (2019). Synthesis, in Silico, and in Vitro Evaluation of Long Chain Alkyl Amides From 2-Amino-4-Quinolone Derivatives as Biofilm Inhibitors. *Abstracts of Papers of the American Chemical Society*, 257.
- 160 Chung, C. K., O'quinn, E., Fuentes, A., Xu, H. W., Lang, M. & Navrotsky, A. (2019). Thermodynamics and Structural Evolution of Er₂Ti₂O₇ Pyrochlores Damaged by Swift Heavy Ion Irradiation and Mechanical Milling (La-Ur-18-29804). *Abstracts of Papers of the American Chemical Society*, 257.
- 161 Fernandez-Herrera, M., Sandoval-Ramirez, J., Munoz-Hernandez, M. A., Kurti, L. & Merino, G. (2019). Trans-Hydroboration-Oxidation Products. Revisiting the Reaction Mechanism in Delta 5-Steroids. *Abstracts of Papers of the American Chemical Society*, 257.
- 162 Madera-Salcedo, I. K., Danelli, L., Tiwari, N. et al. (2019). Tomosyn-1 Is a Gatekeeper of Mast Cell and Basophil Degranulation and Is Upregulated by High Levels of Ige. *Allergy*, 74: 266-267.
- 163 Villalon, C. M., Villanueva-Castillo, B., Rivera-Mancilla, E., Van Den Brink, A. M. & Haanes, K. A. (2019). The Role of G(I/O)-Coupled P2y Receptors in Adp Beta S-Induced Inhibition of the Cardioaccelerator Sympathetic Outflow in Pithed Rats: Pharmacological Correlation With the P2y(12) and P2y(13) Receptor Subtypes. *British Journal of Pharmacology*, 176(16): 2994-2995.
- 164 Verdugo, J. S., Castillo-Montesinos, M., Sanchez-Palestino, L. M., Tovar-Ramirez, J. G., Hernandez-Kelly, L. C. R. & Ortega, A. (2019). Exposure to Manganese Induces Pi3k/Akt Signaling in Bergmann Glial Cells. *Journal of Neurochemistry*, 150: 235.
- 165 Lopez, M. E., Hernandez-, L. C. R. & Ortega, A. (2019). Glast Activity Is Modified by Acute Manganese Exposure in Bergmann Glial Cells. *Journal of Neurochemistry*, 150: 95.
- 166 Hernandez-Kelly, L., Cid, L., Ortega, A. & Castelan, F. (2019). Glutamate and Glucose Uptake in Bergmann Glia Cells Are Modified by Bisphenol-a and 17 Beta-Estradiol. *Journal of Neurochemistry*, 150: 230.
- 167 Tiburcio, R., Ortega, A., Luna, J. & Hernandez, A. (2019). Glutamate Inhibits Neural Oxide Nitric Synthase Degradation in Bergmann Glial Cells. *Journal of Neurochemistry*, 150: 236.
- 168 Silva, J., Mendez, L., Bejarano-Perez, E., Hernandez-Kelly, L. C. H. & Ortega, A. (2019). Modafinil Regulates Glutamine Synthetase Via Pi3k-Akt Signalling Pathway in Cerebellum. *Journal of Neurochemistry*, 150: 235.
- 169 Campero-Romero, A., Rios-Castro, E., Cardenas-Rivera, A. & Tovar-Y-Romo, L. B. (2019). Proteomic Profiling of Exosomes Derived From Brain Microvascular Endothelial Cells Under Hypoxia: Potential Role in Remyelination. *Journal of Neurochemistry*, 150: 127.
- 170 Sanchez, F., Rodriguez, A. & Ortega, A. (2019). Signaling Cascades Associated to the Exposure to Silica Nanoparticles in Retina Glial Cells. *Journal of Neurochemistry*, 150: 234.

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

- 171 Chanez-Paredes, S., Montoya-Garcia, A. & Schnoor, M. (2019). Cellular and pathophysiological consequences of Arp2/3 complex inhibition: role of inhibitory proteins and pharmacological compounds. [Cellular and Molecular Life Sciences](#), 76(17): 3349-3361.
- 172 Torres-Aguilar, H., Sosa-Luis, S. A. & Aguilar-Ruiz, S. R. (2019). Infections as triggers of flares in systemic autoimmune diseases: novel innate immunity mechanisms. [Current Opinion in Rheumatology](#), 31(5): 525-531.
- 173 Castillo, X., Castro-Obregon, S., Gutierrez-Becker, B. et al. (2019). Re-Thinking the Etiological Framework of Neurodegeneration. [Frontiers in Neuroscience](#), 13: 728.
- 174 Gonzalez, N., Arcos-Lopez, T., Konig, A., Quintanar, L., Marquez, M. M., Outeiro, T. F. & Fernandez, C. O. (2019). Effects of Alpha-Synuclein Post-Translational Modifications on Metal Binding. [Journal of Neurochemistry](#), 150(5): 507-521.
- 175 Hernandez-Munive, A. K., Rebolledo-Solleiro, D. & Fernandez-Guasti, A. (2019). Does Chronic Hyperglycemia Affect Female Rat Sexual Behavior? Differences in Paced and Non-Paced Mating. [Journal of Sexual Medicine](#), 16(8): 1130-1142.
- 176 Castaneda-Hernandez, G., Sandoval, H., Coindreau, J., Rodriguez-Davison, L. F. & Pineda, C. (2019). Barriers Towards Effective Pharmacovigilance Systems of Biosimilars in Rheumatology: a Latin American Survey. [Pharmacoepidemiology and Drug Safety](#), 28(8): 1035-1044.
- 177 Ghamari, N., Zarei, O., Arias-Montano, J. A., Reiner, D., Dastmalchi, S., Stark, H. & Hamzeh-Mivehroud, M. (2019). Histamine H-3 Receptor Antagonists/Inverse Agonists: Where Do They Go? [Pharmacology & Therapeutics](#), 200: 69-84.
- 178 De Coss-Martinez, R., Valez-Pinzon, C. & De Coss, R. (2019). Comment on "How to get mechanical work from a capacitor and a couple of batteries" by E.N. Miranda [Rev. Mex. Fis. E 52 (2006) 215]. [Revista Mexicana De Fisica E](#), 65(2): 101-102.

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ARTÍCULOS DEL MES DE SEPTIEMBRE DE 2019

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

- 1 Manrique-Maldonado, G., Altamirano-Espinoza, A. H., Rivera-Mancilla, E., Hernandez-Abreu, O. & Villalon, C. M. (2019). Activation of Dopamine D-3 Receptor Subtypes Inhibits the Neurogenic Systemic Vasodilation Induced by Stimulation of the Perivascular Cgrpergic Discharge. [Acs Chemical Neuroscience](#), 10(8): 3751-3757.
- 2 Miranda, O. G., Garcia, G. S. & Sanders, O. (2019). Coherent Elastic Neutrino-Nucleus Scattering as a Precision Test for the Standard Model and Beyond: the Coherent Proposal Case. [Advances in High Energy Physics](#), 2019: 3902819.
- 3 Wang, H. G., Laredo, D., Cuate, O. & Schutze, O. (2019). Enhanced Directed Search: a Continuation Method for Mixed-Integer Multi-Objective Optimization Problems. [Annals of Operations Research](#), 279(1-2): 343-365.
- 4 Brands, S., Schein, P., Castro-Ochoa, K. F. & Galinski, E. A. (2019). Hydroxyl radical scavenging of the compatible solute ectoine generates two N-acetimides. [Archives of Biochemistry and Biophysics](#), 674: 108097.
- 5 Abeysekara, A. U., Albert, A., Alfaro, R. et al. (2019). Measurement of the Crab Nebula Spectrum Past 100 Tev With Hawc. [Astrophysical Journal](#), 881(2): 134.
- 6 Clempner, J. B. & Poznyak, A. S. (2019). Observer and control design in partially observable finite Markov chains. [Automatica](#), 110: 108587.
- 7 Poznyak, A. S. (2019). Robust Identification Under Correlated and Non-Gaussian Noises: Wmlm Procedure. [Automation and Remote Control](#), 80(9): 1628-1644.
- 8 Martinez-Aquino, A., Chan-Martin, A. D., Garcia-Teh, J. G., Ceccarelli, F. S. & Aguirre-Macedo, M. L. (2019). Metacercariae of Haplorchis Pumilio (Looss, 1896) in Carassius Auratus (Linnaeus, 1758) From Merida City, Yucatan, Mexico: a Co-Introduced Parasite. [Bioinvasions Records](#), 8(3): 712-728.
- 9 Rosales, J. H., Rodriguez, L. F. & Ramos, F. (2019). A general theoretical framework for the design of artificial emotion systems in Autonomous Agents. [Cognitive Systems Research](#), 58: 324-341.

- 10 Samos-Puerto, A., Rodriguez-Gattorno, G. & Ruiz-Gomez, M. A. (2019). Fine tuning of inkjet printability parameters for NiO nanofilms fabrication. [Colloids and Surfaces A-Physicochemical and Engineering Aspects](#), 583: 123959.
- 11 Mondragon-Gonzalez, R., Azzag, K., Selvaraj, S., Yamamoto, A. & Perlingeiro, R. C. R. (2019). Transplantation studies reveal internuclear transfer of toxic RNA in engrafted muscles of myotonic dystrophy 1 mice. [EBioMedicine](#), 47: 553-562.
- 12 Gonzalez-Chan, I. J., Moguel, P. & Oliva, A. I. (2019). Deposition of ZnO Thin Films by Chemical Bath Technique: Physicochemical Conditions and Characterization. [Ecs Journal of Solid State Science and Technology](#), 8(9): P536-P544.
- 13 Pitones, Y., Reyes, E. & Toledo, J. (2019). Monomial Ideals of Weighted Oriented Graphs. [Electronic Journal of Combinatorics](#), 26(3): p3.44.
- 14 Murphy, L., Merida-Ortega, A., Cebrian, M. E., Hernandez-Garciadiego, L., Gomez-Ruiz, H., Gamboa-Loira, B. & Lopez-Carrillo, L. (2019). Exposure to Bisphenol a and Diabetes Risk in Mexican Women. [Environmental Science and Pollution Research](#), 26(25): 26332-26338.
- 15 Organista-Juarez, D., Jimenez, A., Rocha, L., Alonso-Vanegas, M. & Guevara-Guzman, R. (2019). Differential expression of miR-34a, 451, 1260, 1275 and 1298 in the neocortex of patients with mesial temporal lobe epilepsy. [Epilepsy Research](#), 157: 106188.
- 16 Aguilar-Medrano, R., Durand, J. R., Cruz-Escalona, V. H. & Moyle, P. B. (2019). Fish functional groups in the San Francisco Estuary: Understanding new fish assemblages in a highly altered estuarine ecosystem. [Estuarine Coastal and Shelf Science](#), 227: 106331.
- 17 Gomez, C. B., Huerta-De la Cruz, S., Medina-Terol, G. J., Beltran-Ornelas, J. H., Sanchez-Lopez, A., Silva-Velasco, D. L. & Centurion, D. (2019). Chronic administration of NaHS and L-Cysteine restores cardiovascular changes induced by high-fat diet in rats. [European Journal of Pharmacology](#), 863: 172707.
- 18 Garcia, G., Noriega-Navarro, R., Martinez-Rojas, V. A., Gutierrez-Lara, E. J., Oviedo, N. & Murbartian, J. (2019). Spinal TASK-1 and TASK-3 modulate inflammatory and neuropathic pain. [European Journal of Pharmacology](#), 862: 172631.
- 19 Acosta-Cota, S. J., Aguilar-Medina, E. M., Ramos-Payan, R. et al. (2019). Therapeutic effect of treatment with metformin and/or 4-hydroxychalcone in male Wistar rats with nonalcoholic fatty liver disease. [European Journal of Pharmacology](#), 863: 172699.
- 20 Mendoza, C. B. & Corral, G. H. (2019). Quark Matter Description in a Tsallis Entropy Approach. [European Physical Journal A](#), 55(9): 146.

- 21 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement of Exclusive $Rho(770)(0)$ Photoproduction in Ultraperipheral Pb Collisions at Root $S(Nn)=5.02$ Tev. [European Physical Journal C](#), 79(8): 702.
- 22 Aguirre-Joya, J. A., Cerqueira, M. A., Ventura-Sobrevilla, J., Aguilar-Gonzalez, M. A., Carbo-Argibay, E., Castro, L. P. & Aguilar, C. N. (2019). Candelilla Wax-Based Coatings and Films: Functional and Physicochemical Characterization. [Food and Bioprocess Technology](#), 12(10): 1787-1797.
- 23 Escobar-Puentes, A. A., Rincon, S., Garcia-Gurrola, A., Zepeda, A. & Martinez-Bustos, F. (2019). Preparation and Characterization of Succinylated Nanoparticles From High-Amylose Starch Via the Extrusion Process Followed by Ultrasonic Energy. [Food and Bioprocess Technology](#), 12(10): 1672-1682.
- 24 Rodriguez-Coayahuil, L., Morales-Reyes, A. & Escalante, H. J. (2019). Evolving Autoencoding Structures Through Genetic Programming. [Genetic Programming and Evolvable Machines](#), 20(3): 413-440.
- 25 Munguia-Rosas, M. A., Jacome-Flores, M. E., Bello-Bedoy, R., Solis-Montero, V. & Ochoa-Estrada, E. (2019). Morphological Divergence Between Wild and Cultivated Chaya (*Cnidoscolus Aconitifolius*) (Mill.) Im Johnst. [Genetic Resources and Crop Evolution](#), 66(7): 1389-1398.
- 26 Cruz-Cortes, J. J., Fraga, J. E. & Munguia-Rosas, M. A. (2019). Effects of Changes in Traditional Agroecosystems on Vernacular Dwellings: the Occupants' Perspective. [Human Ecology](#), 47(4): 553-563.
- 27 Cortes-Martinez, R. & Rodriguez-Cortes, H. (2019). A Total Energy Attitude Control System Strategy for Rigid Spacecraft. [Ieee Access](#), 7: 112996-113004.
- 28 Golpira, H., Messina, A. R. & Bevrani, H. (2019). Emulation of Virtual Inertia to Accommodate Higher Penetration Levels of Distributed Generation in Power Grids. [Ieee Transactions on Power Systems](#), 34(5): 3384-3394.
- 29 Ramirez-Lopez, C., Esparza-Garcia, F. J., Ferrera-Cerrato, R., Alarcon, A. & Canizares-Villanueva, R. O. (2019). Short-term effects of a photosynthetic microbial consortium and nitrogen fertilization on soil chemical properties, growth, and yield of wheat under greenhouse conditions. [Journal of Applied Phycology](#), 31(6): 3617-3624.
- 30 Bolivar, M., Rivillas-Ospina, G., Fuentes, W. et al. (2019). Anthropic Impact Assessment of Coastal Ecosystems in the Municipality of Puerto Colombia, Ne Colombia. [Journal of Coastal Research](#), 92: 112-120.

- 31 Rosado-Torres, A. A., Marino-Tapia, I. & Acevedo-Ramirez, C. (2019). Decreased Roughness and Macroalgae Dominance in a Coral Reef Environment With Strong Influence of Submarine Groundwater Discharges. [Journal of Coastal Research](#), 92: 13-21.
- 32 Miret-Villasenor, D., Enriquez, C., Marino-Tapia, I., Silva, R. & Ruiz, G. (2019). Interactions Between Nearshore and Shelf Dynamics Under Hurricane Conditions: Implications for Exposed and Reef Protected Beaches. [Journal of Coastal Research](#), 92: 55-67.
- 33 Calderon-Castro, A., Jacobo-Valenzuela, N., Felix-Salazar, L. A., Zazueta-Morales, J. D., Martinez-Bustos, F., Fitch-Vargas, P. R., Carrillo-Lopez, A. & Aguilar-Palazuelos, E. (2019). Optimization of Corn Starch Acetylation and Succinylation Using the Extrusion Process. [Journal of Food Science and Technology-Mysore](#), 56(8): 3940-3950.
- 34 Hermida-Montero, L. A., Pariona, N., Mtz-Enriquez, A. I., Carrion, G., Paraguay-Delgado, F. & Rosas-Saito, G. (2019). Aqueous-phase synthesis of nanoparticles of copper/copper oxides and their antifungal effect against Fusarium oxysporum. [Journal of Hazardous Materials](#), 380: 120850.
- 35 Acharya, S., Acosta, F. T., Adam, J. et al. (2019). Measurement of the Production of Charm Jets Tagged With D-0 Mesons in Pp Collisions at Root S=7 Tev. [Journal of High Energy Physics](#), (8): 133.
- 36 Acharya, S., Adamova, D., Adhya, S. P. et al. (2019). Production of Muons From Heavy-Flavour Hadron Decays in Pp Collisions at Root S=5.02 Tev. [Journal of High Energy Physics](#), (9): 008.
- 37 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Supersymmetry With a Compressed Mass Spectrum in the Vector Boson Fusion Topology With 1-Lepton and 0-Lepton Final States in Proton-Proton Collisions at P Root S=13 Tev. [Journal of High Energy Physics](#), (8): 150.
- 38 Hernandez-Morales, A., Rivera, J. M., Lopez-Monteon, A., Lagunes-Castro, S., Castillo-Blum, S., Cureno-Hernandez, K., Flores-Parra, A., Villasenor-Granados, O. & Colorado-Peralta, R. (2019). Complexes containing benzimidazolyl-phenol ligands and Ln(III) ions: Synthesis, spectroscopic studies and preliminary cytotoxicity evaluation. [Journal of Inorganic Biochemistry](#), 201: 110842.
- 39 Sanchez-Sanchez, K., Castillo-Garcia, A. A., Cervantes-Vasquez, M., Ortiz-Pastrana, N. & Paz-Sandoval, M. A. (2019). Butadienesulfonyl iridium complexes with phosphine and carbonyl ligands. [Journal of Organometallic Chemistry](#), 900: 120929.
- 40 Mejia-Alvarez, P., Moncada-Madero, D., Aydin, H. & Diaz-Ramirez, A. (2019). Evaluation framework for energy-aware multiprocessor scheduling in real-Time systems. [Journal of Systems Architecture](#), 98: 388-402.

- 41 Navarro-Solis, D. J., Cancino-Trejo, F. & Lopez-Honorato, E. (2019). Effect of palladium on the microstructure and grain boundary complexions in SiC. [Journal of the American Ceramic Society](#), 102(11): 6439-6442.
- 42 Sanchez-Gomez, L., Guerrero-Hernandez, A. & Santillan, M. (2019). Polymerization of sarcoplasmic-reticulum calcium-binding proteins might explain observed reticulum kinetics-on-demand behavior. [Journal of Theoretical Biology](#), 482: 109986.
- 43 Iribarren, A., Duran-Sosa, I., Hurtado, M. G., Herrera-Salvador, M. & Castro-Rodriguez, R. (2019). Elucidating Room-Temperature Optical Transitions in Annealed ZnO Nanoparticles Synthesized From an Aqueous Method. [Materials Research Express](#), 6(10): 105048.
- 44 Kravchenko, V. V., Torba, S. M. & Santana-Bejarano, J. Y. (2019). Generalized Wave Polynomials and Transmutations Related to Perturbed Bessel Equations. [Mathematical Methods in the Applied Sciences](#), 42(15): 5008-5028.
- 45 Blanco-Garcia, Z., Rosas-Ortiz, O. & Zelaya, K. (2019). Interplay Between Riccati, Ermakov, and Schrodinger Equations to Produce Complex-Valued Potentials With Real Energy Spectrum. [Mathematical Methods in the Applied Sciences](#), 42(15): 4925-4938.
- 46 Castillo Perez, R., Kravchenko, V. V. & Torba, S. M. (2019). A Method for Computation of Scattering Amplitudes and Green Functions of Whole Axis Problems. [Mathematical Methods in the Applied Sciences](#), 42(15): 5106-5117.
- 47 Kravchenko, I. V., Kravchenko, V. V. & Torba, S. M. (2019). Solution of Parabolic Free Boundary Problems Using Transmuted Heat Polynomials. [Mathematical Methods in the Applied Sciences](#), 42(15): 5094-5105.
- 48 Kravchenko, V. V., Porter, R. M. & Torba, S. M. (2019). Spectral Parameter Power Series for Arbitrary Order Linear Differential Equations. [Mathematical Methods in the Applied Sciences](#), 42(15): 4902-4908.
- 49 Trasvina-Arenas, C. H., Hoyos-Gonzalez, N., Castro-Lara, A. Y. et al. (2019). Amino and carboxy-terminal extensions of yeast mitochondrial DNA polymerase assemble both the polymerization and exonuclease active sites. [Mitochondrion](#), 49: 166-177.
- 50 Sanchez-Arreguin, A., Carriles, R., Ochoa-Alejo, N., Lopez, M. G. & Sanchez-Segura, L. (2019). Generation of Bsa-Capsaicin Nanoparticles and Their Hormesis Effect on the Rhodotorula Mucilaginosa Yeast. [Molecules](#), 24(15): 2800.

- 51 Flores-Cortez, I., Winkler, R., Ramirez-Ordorica, A., Elizarraraz-Anaya, M. I. C., Carrillo-Rayas, M. T., Valencia-Cantero, E. & Macias-Rodriguez, L. (2019). A Mass Spectrometry-Based Study Shows That Volatiles Emitted by *Arthrobacter Agilis* Umcv2 Increase the Content of Brassinosteroids in *Medicago Truncatula* in Response to Iron Deficiency Stress. [Molecules](#), 24(16): 3011.
- 52 Marin-Castro, H. M., Hernandez-Resendiz, J. D., Escalante-Balderas, H. J., Pellegrin, L. & Tello-Leal, E. (2019). Chained Ensemble Classifier for Image Annotation. [Multimedia Tools and Applications](#), 78(18): 26263-26285.
- 53 Ocana, F. A., Pech, D., Simoes, N. & Hernandez-Avila, I. (2019). Spatial assessment of the vulnerability of benthic communities to multiple stressors in the Yucatan Continental Shelf, Gulf of Mexico. [Ocean & Coastal Management](#), 181: 104900.
- 54 Gurubel, K. J., Sanchez, E. N., Coronado-Mendoza, A., Zuniga-Grajeda, V., Sulbaran-Rangel, B. & Breton-Deval, L. (2019). Inverse Optimal Neural Control Via Passivity Approach for Nonlinear Anaerobic Bioprocesses With Biofuels Production. [Optimal Control Applications & Methods](#), 40(5): 848-858.
- 55 Gomez-Basurto, F., Vital-Jacome, M., Gomez-Acata, E. S., Thalasso, F., Luna-Guido, M. & Dendooven, L. (2019). Microbial Community Dynamics During Aerobic Granulation in a Sequencing Batch Reactor (Sbr). [PeerJ](#), 7: e7152.
- 56 Guadarrama-Acevedo, M. C., Mendoza-Flores, R. A., Del Prado-Audelo, M. L. et al. (2019). Development and Evaluation of Alginate Membranes With Curcumin-Loaded Nanoparticles for Potential Wound-Healing Applications. [Pharmaceutics](#), 11(8): 389.
- 57 Canate, P., Sultana, J. & Kazanas, D. (2019). Ellis Wormhole Without a Phantom Scalar Field. [Physical Review D](#), 100(6): 064007.
- 58 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Vectorlike Leptons in Multilepton Final States in Proton-Proton Collisions at Root S=13 Tev. [Physical Review D](#), 100(5): 052003.
- 59 Aguirre-Manzo, L. A., Ledesma-Motolinia, M., Rojas-Ochoa, L. F., Trappe, V., Callejas-Fernandez, J., Haro-Perez, C. & Gonzalez-Mozuelos, P. (2019). Accounting for Effective Interactions Among Charged Microgels. [Physical Review E](#), 100(3): 032602.
- 60 Acharya, S., Adamova, D., Adhya, S. P. et al. (2019). First Observation of an Attractive Interaction Between a Proton and a Cascade Baryon. [Physical Review Letters](#), 123(11): 112002.

- 61 Hernandez, M., Cabo-Montes de Oca, A., Oliva-Leyva, M. & Naumis, G. G. (2019). How water makes graphene metallic. [Physics Letters A](#), 383(29): 125904.
- 62 Acharya, S., AdamovÄi, D., Adhya, S. P. et al. (2019). 3Λ H and $3\bar{\Lambda}$ H over bar lifetime measurement in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV via two-body decay. [Physics Letters B](#), 797: 134905.
- 63 Acharya, S., AdamovÄi, D., Adhya, S. P. et al. (2019). Coherent J/psi photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. [Physics Letters B](#), 798: 134926.
- 64 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s}=13$ TeV. [Physics Letters B](#), 797: 134876.
- 65 Acharya, S., AdamovÄi, D., Adhya, S. P. et al. (2019). Study of the Lambda-Lambda interaction with femtoscopy correlations in pp and p-Pb collisions at the LHC. [Physics Letters B](#), 797: 134822.
- 66 Quezada-Rivera, J. J., Soria-Guerra, R. E., Perez-Juarez, F. S., Martinez-Gonzalez, L., Valdes-Rodriguez, S. E., Vasco-Mendez, N. L. & Morales-Dominguez, J. F. (2019). Heterologous Expression of Bacteriocin E-760 in Chlamydomonas Reinhardtii and Functional Analysis. [Phyton-International Journal of Experimental Botany](#), 88(1): 25-35.
- 67 Reyes-Aguilar, S. S., Poblete-Naredo, I., Rodriguez-Yanez, Y., Corona-Nunez, R. O., Ortiz-Robles, C. D., Calderon-Aranda, E. S. & Albores, A. (2019). CYP1A1, GSTT1, IL-6 and IL-8 transcription and IL-6 secretion on umbilical endothelial cells from hypertensive pregnant women: Preliminary results. [Pregnancy Hypertension](#), 18: 63-66.
- 68 Campos, J. A. F. & Perrusquia, A. (2019). Slider Position Control for Slider-Crank Mechanisms With Jacobian Compensator. [Proceedings of the Institution of Mechanical Engineers Part I-Journal of Systems and Control Engineering](#), 233(10): 1413-1421.
- 69 Pliego-Arreaga, R., Roldan-Padron, O., Castro-Guillen, J. L., Mendiola-Olaya, E., Jimenez-Sandoval, P., Briebe, L. G., Dagio-Hernandez, M. A. & Blanco-Labra, A. (2019). Properties of a Non-Canonical Complex Formed Between a Tepary Bean (Phaseolus Acutifolius) Protease Inhibitor and Alpha-Chymotrypsin. [Protein Journal](#), 38(4): 435-446.
- 70 Arroyo-Ortiz, E. & Zuniga-Galindo, W. A. (2019). Construction of P-Adic Covariant Quantum Fields in the Framework of White Noise Analysis. [Reports on Mathematical Physics](#), 84(1-2): 1-34.

71 Parra-Forero, L. Y., Veloz-Contreras, A., Vargas-Marin, S., Mojica-Villegas, M. A., Alfaro-Pedraza, E., Uriostegui-Acosta, M. & Hernandez-Ochoa, I. (2019). Alterations in oocytes and early zygotes following oral exposure to di(2-ethylhexyl) phthalate in young adult female mice. [Reproductive Toxicology](#), 90: 53-61.

72 Sanchez, F. C., Diaz, M. E. & Aranda, D. A. (2019). Quantification of 17 Beta - Estradiol and Progesterone Hormones in the Pink Snail *Lobatus Gigas* (Mollusca, Gastropoda). [Revista De Biologia Tropical](#), 67(4): 708-715.

73 Hernandez-Gutierrez, C. A., Galan, O. V., Melo, S., Rodriguez, E., Kudriavtsev, Y. & Cardona, D. (2019). The Role of SnO₂ High Resistivity Transparent Layer Deposited Onto Commercial Conducting Glass as Front Contact in Superstrate Configuration Thin Films Solar Cells Technology: Influence of the Deposition Technique. [Revista Mexicana De Fisica](#), 65(5): 554-559.

74 Shrutji, V. C. & Kutralam-Muniasamy, G. (2019). Bioplastics: Missing link in the era of Microplastics. [Science of the Total Environment](#), 697: 134139.

75 Camacho-Espinosa, E., Lopez-Sanchez, A., Rimmaudo, I., Mis-Fernandez, R. & Pena, J. L. (2019). All-sputtered CdTe solar cell activated with a novel method. [Solar Energy](#), 193: 31-36.

76 Corona-Diaz, A., Garcia-Merinos, J. P., Ochoa, M. E., Del Rio, R. E., Santillan, R., Rojas-Lima, S., Morzycki, J. W. & Lopez, Y. (2019). TiCl₄ catalyzed cleavage of (25R)-22-oxo-23-spiroketals. Synthesis of sapogenins with furostanol and pyranone E rings on the side chain. [Steroids](#), 152: 108488.

77 Rivera-Gil, M. A., Gomez-Chavez, J. J., Ramana, C. V., Naraparaju, R., Schulz, U. & Munoz-Saldana, J. (2019). High temperature interaction of volcanic ashes with 7YSZ TBC's produced by APS: Infiltration behavior and phase stability. [Surface and Coatings Technology](#), 378: 124915.

78 Contreras-Romero, E., Hurtado-Macias, A., Mendez-Nonell, J., Solis-Canto, O. & Gomez-Botero, M. (2019). Mechanical and tribological properties of nanostructured TiAlN/TaN coatings deposited by DC magnetron sputtering. [Surface and Coatings Technology](#), 378: 124941.

79 Garcia-Herrera, J. E., Espinosa-Arbelaez, D. G., Caceres-Diaz, L. A., Mondragon-Rodriguez, G. C., Ruiz-Luna, H., Gonzalez-Hernandez, J., Trapaga-Martinez, L. G., Munoz-Saldana, J. & Alvarado-Orozco, J. M. (2019). Effect of pre-oxidation treatments on the structural, microstructural, and chemical properties of $\hat{\Gamma}^2$ -(Ni,Pt)Al system. [Surface & Coatings Technology](#), 367: 156-164.

80 Canche-Escamilla, G., Colli-Acevedo, P., Borges-Argaez, R., Quintana-Owen, P., May-Crespo, J. F., Caceres-Farfan, M., Yam-Puc, J. A., Sansores-Peraza, P. & Vera-Ku, B. M. (2019). Extraction of phenolic components from an Aloe vera (*Aloe barbadensis* Miller) crop and their potential as antimicrobials and textile dyes. [Sustainable Chemistry and Pharmacy](#), 14: 100168.

81 Sanchez-Antonio, O. & Juaristi, E. (2019). Synthesis of a new chiral organocatalyst derived from (S)-proline containing a 1,2,4-triazolyl moiety and its application in the asymmetric aldol reaction. Importance of one molecule of water generated in situ. [Tetrahedron Letters](#), 60(41): 151128.

82 Carrasco Alvarez, R., Parra Michel, R., Orozco Lugo, A. G. & Gurrola Navarro, M. A. (2019). Channel and Carrier Frequency Offset Estimation Based on Projection Onto a Bidimensional Basis. [Turkish Journal of Electrical Engineering and Computer Sciences](#), 27(4): 2571-2578.

83 Ek-Huchim, J. P., Jimenez-Garcia, I. & Rodriguez-Canul, R. (2019). Dna Detection of Gyrodactylus Spp. In Skin Mucus of Nile Tilapia Oreochromis Niloticus. [Veterinary Parasitology](#), 272: 75-78.

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

84 Sostenes-Gonzalez, H. S., Garcia-Cuellar, D. & Martinez-Miraval, M. (2019). Characterization and graphical analysis of the variations of a linear affine function to mobile GeoGebra. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 750-758.

85 Perez-Vera, I., Reyes-Gasperini, D. & Silva-Salse, A. (2019). Citizen training and educational mathematics: a look at the citizen in the socio-epistemological theory. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 423-433.

86 Garcia-Cuellar, D. J., Parra-Zapata, M. M., Martinez-Miraval, M. & Sostenes-Gonzalez, H. S. (2019). A didactic proposal for the teaching and learning of the affine linear function with the use of the Classwiz calculator. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 658-667.

87 Carranza-Rogerio, B. & Farfan-Marquez, R. M. (2019). Dynamic nature of variation in the differential equation: digital simulation of a physical phenomenon with a gender perspective. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 692-702.

88 Romero-Fonseca, F. W. & Farfan-Marquez, R. M. (2019). Generalization process associated with the calculation of Fourier coefficients. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 414-421.

89 Sostenes-Gonzalez, H. S. & Fuenlabrada-Velazquez, I. (2019). GeoGebra implementation in geometric problem solving at secondary school: notable straight lines of triangles. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 668-674.

- 90 Cruz-Marquez, G., Romero, F. W. & Gavarrete, M. E. (2019). Historical-epistemological analysis in mathematics education: use of historical elements in initial teacher training. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 608-615.
- 91 Sanchez-Duarte, K. & Montiel-Espinosa, G. (2019). Initial considerations for the study of angularity as a transversal knowledge in the development of trigonometric thinking. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 115-120.
- 92 Hernandez-Zavaleta, J. E. & Cantoral, R. (2019). Manipulative tools which generate unexpected events when studying their change and variation. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 404-412.
- 93 Ortiz-Rojas, V. & Farfan-Marquez, R. M. (2019). Mathematics and gender: a study of spatial reasoning. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 434-440.
- 94 Cruz-Amaya, M. & Montiel-Espinosa, G. (2019). Meanings of the line and the angle in the sphere: towards a didactic exploration. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 375-384.
- 95 Cordero, F., Villa-Ochoa, J. A., Rosa, M., Suarez-Tellez, L., Carranza, P. & Mendoza-Higuera, E. J. (2019). Modelling in mathematics education: methods of research and the educational impact on the training and development of mathematics teachers. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 549-557.
- 96 Opazo-Arellano, C. E., Cordero-Osorio, F. & Silva-Crocci, H. A. (2019). Prospective mathematics teachers' training and the constitution of their disciplinary identity. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 600-607.
- 97 Paz-Corrales, L. M. & Cantoral, R. (2019). Socioepistemological study about a confrontation between the Descartes' geometry and analytical geometry. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 394-403.
- 98 Rios-Jarquín, D. W. & Cantoral-Uriza, R. A. (2019). Socioepistemological study about of links between the fundamental theorem of arithmetics, algebra and calculus. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 134-139.
- 99 Moreno-Durazo, A. & Cantoral, R. (2019). The star principles in medical practice: the use of successive variation in the diagnosis and in the treatment of cardiac diseases. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 19-26.

100 Galo-Alvarena, S. N. & Cantoral, R. (2019). A study on the role of comparison in geometry. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 116-124.

101 Perez-Garcia, R. & Cantoral-Uriza, R. (2019). Study on the role of comparison in the approach of Newton's classical physics to school mathematical discourse. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 55-64.

102 Giacoletti-Castillo, F. M. & Cordero-Osorio, F. (2019). Uses and meanings of Laplace transform in a community of electronic engineers. [Acta Latinoamericana De Matematica Educativa](#), 32(2): 429-438.

103 Olivera-Toro, A., Fossion, R., Li, L., Lopez-Gomez, R. E., Lopez-Espinosa, E., Jimenez-Estrada, I. & Quiroz-Gonzalez, S. (2019). Changes in Heart Rate Variability in Patients With Spleen-Qi Deficiency Syndrome. [Journal of Acupuncture and Meridian Studies](#), 12(4): 111-121.

104 Lacaze, J., Connetable, D. & Castro-Roman, M. J. (2019). Effects of impurities on graphite shape during solidification of spheroidal graphite cast ions. [Materialia](#), 8: 100471.

105 Yanez, A., Cespedes, S. & Rubio-Loyola, J. (2019). A Baseline for Context-Aware System for Safe Messages Dissemination in Vanets. [Revista Facultad De Ingenieria-Universidad De Antioquia](#), (93): 9-18.

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

106 Zelaya, K. & Rosas-Ortiz, O. (2019). Comment on "Quasi-Coherent for the Hermite Oscillator" [J. Math. Phys. 59, 062104 (2018)]. [Journal of Mathematical Physics](#), 60(5): 054101.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

107 Herrera-Lopez, G., Lemtiri-Chlieh, F., Mahmood, H., Mottier, L., Fiumelli, H. & Magistretti, P. J. (2019). Lactate enhances NMDA receptor responses via two distinct mechanisms. [Ibro Reports](#), 6: S397-S398.

108 Lopez-Bayghen, E., Hernandez-Melchor, D., Ramirez-Martinez, L., Palafox-Gomez, A. C., Cid, L. & Ortega, A. (2019). Novel transcriptional effects of the neurotransmitter translocation process through the glial high-affinity Na⁺-dependent glutamate/aspartate transporter (GLAST). [Ibro Reports](#), 6: S514.

109 Morales-Medina, J. C., Galindo-Paredes, G., Vazquez-Hernandez, A. J., Sanchez-Teoyotl, P., Vazquez-Roque, R. A. & Flores, G. (2019). Olfactory bulbectomy induces learning and memory deficits associated with impaired structural plasticity in the rat. [Ibro Reports](#), 6: S77-S78.

110 Quiroz, J. A. M., Domingo, M. M., Medina-Aymerich, L., Flores, L. G., Sanchez, A. H., Hernandez, G. C., Ramirez-Espino, B. & Gonzalez, M. S. (2019). Evaluation of Mycophenolic Acid Pharmacokinetics and Its Interaction With Omeprazol. [Pediatric Transplantation](#), 23: p360.

111 Medeiros, M., Medina-Aymerich, L. I., Garcia-Roca, P., Gonzalez-Ramirez, J. R., Reyes-Perez, H., Rodriguez-Espino, B. & Castaneda-Hernandez, G. (2019). Limited Sampling Strategy to Predict the Area Under the Curve of Tacrolimus in Renal Transplant Pediatric Patients. [Pediatric Transplantation](#), 23: 205.2.

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

112 Gonzalez, A., Lupercio, E., Segovia, C. & Uribe, B. (2019). Nearly Frobenius Algebras. [European Journal of Mathematics](#), 5(3): 881-902.

113 Navarro-Garcia, F., Ruiz-Perez, F., Cataldi, A. & Larzabal, M. (2019). Type Vi Secretion System in Pathogenic Escherichia Coli: Structure, Role in Virulence, and Acquisition. [Frontiers in Microbiology](#), 10: 1965.

114 Betanzos, A., Banuelos, C. & Orozco, E. (2019). Host Invasion by Pathogenic Amoebae: Epithelial Disruption by Parasite Proteins. [Genes](#), 10(8): 618.

115 Gonzalez-Mariscal, L., Gallego-Gutierrez, H., Gonzalez-Gonzalez, L. & Hernandez-Guzman, C. (2019). Zo-2 is a master regulator of gene expression, cell proliferation, cytoarchitecture and cell size. [International Journal of Molecular Sciences](#), 20: 4128.

116 Saha, R., Jana, G., Pan, S., Merino, G. & Chattaraj, P. K. (2019). How Far Can One Push the Noble Gases Towards Bonding?: A Personal Account. [Molecules](#), 24(16): 2933.

117 Arce-Rodriguez, M. L. & Ochoa-Alejo, N. (2019). Biochemistry and Molecular Biology of Capsaicinoid Biosynthesis: Recent Advances and Perspectives. [Plant Cell Reports](#), 38(9): 1017-1030.

118 Vargas-Robles, H., Castro-Ochoa, K. F., Citalan-Madrid, A. F. & Schnoor, M. (2019). Beneficial Effects of Nutritional Supplements on Intestinal Epithelial Barrier Functions in Experimental Colitis Models in Vivo. [World Journal of Gastroenterology](#), 25(30): 4181-4198.