

ARTÍCULOS DEL MES DE DICIEMBRE DE 2019

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

1. Desirena-Lopez, G., Ramirez-Trevino, A., Briz, J. L., Vazquez, C. R. & Gomez-Gutierrez, D. (2019). Thermal-Aware Real-Time Scheduling Using Timed Continuous Petri Nets. *Acm Transactions on Embedded Computing Systems*, 18(4): 36.
2. Zhou, Y., Cai, S., Moutal, A. et al. (2019). The Natural Flavonoid Naringenin Elicits Analgesia Through Inhibition of Nav1.8 Voltage-Gated Sodium Channels. *Acs Chemical Neuroscience*, 10(12): 4834-4846.
3. Roig, P. (2019). Effective Field Theory Analysis for Lepton-Flavor Violating Interactions in Presence of a Boson. *Acta Physica Polonica B*, 50(11): 1965-1970.
4. Herrera-Isidron, L., Valencia-Lozano, E. & Cabrera-Ponce, J. L. (2019). Genome-Edited Plants. *Agrociencia*, 53(8): 1139-1159.
5. Dominguez-Negrete, A., Gomez-Rosales, S., Angeles, M. L., Lopez-Hernandez, L. H., Reis- De Souza, T. C., Lopez-Garcia, Y., Zavala-Franco, A. & Tellez-Isaias, G. (2019). Effect of the addition of humic substances as growth promoter in broiler chickens under two feeding regimens. *Animals-Basel*, 9(12): 1101.
6. Poznyak, A., Chairez, I. & Poznyak, T. (2019). A Survey on Artificial Neural Networks Application for Identification and Control in Environmental Engineering: Biological and Chemical Systems With Uncertain Models. *Annual Reviews in Control*, 48: 250-272.
7. Lopez, J. M. G., Betancourt, R. O. J., Arredondo, J. M. R., Laureano, E. V. & Haro, F. R. (2019). Incorporating Virtual Reality Into the Teaching and Training of Grid-Tie Photovoltaic Power Plants Design. *Applied Sciences-Basel*, 9(21): 4480.
8. Kandathil, S. M., Garza-Fabre, M., Handl, J. & Lovell, S. C. (2019). Reliable Generation of Native-Like Decoys Limits Predictive Ability in Fragment-Based Protein Structure Prediction. *Biomolecules*, 9(10): 612.
9. Alberto-Aguilar, D. R., Hernandez-Ramirez, V. I., Osorio-Trujillo, J. C., Gallardo-Rincon, D., Toledo-Leyva, A. & Talamas-Rohana, P. (2019). Ascites from Ovarian Cancer Induces Novel Fucosylated Proteins. *Cancer Microenvironment*, 12(2-3): 181-195.
10. Gonzalez, E. E., Rangel, R., Lara, J., Bartolo-Perez, P., Alvarado-Gil, J. J., Galvan, D. H. & Garcia, R. (2019). {CeO₂/Bi₂Mo₁-Xru_{0.6}} and {Au/Bi₂Mo₁-Xru_{0.6}} Catalysts for Low-Temperature Co Oxidation. *Catalysts*, 9(11): 947.
11. Olea-Flores, M., Zuniga-Eulogio, M., Tacuba-Saavedra, A. et al. (2019). Leptin Promotes Expression of Emt-Related Transcription Factors and Invasion in a Src and Fak-Dependent Pathway in Mcf10a Mammary Epithelial Cells. *Cells*, 8(10): 1133.
12. Aguilar-Granda, A., Colin-Molina, A., Jellen, M. J., Nunez-Pineda, A., Cifuentes-Quintal, M. E., Toscano, R. A., Merino, G. & Rodriguez-Molina, B. (2019). Triggering the Dynamics of a Carbazole-P-[Phenylene-Diethynyl]-Xylene Rotor Through a Mechanically Induced Phase Transition. *Chemical Communications*, 55(93): 14054-14057.
13. Breton, N., Lammerzahl, C. & Macias, A. (2019). Rotating Black Holes in the Einstein-euler-heisenberg Theory. *Classical and Quantum Gravity*, 36(23): 235022.

14. Treesatayapun, C. (2019). Data Driven Controller Based on Fuzzy Rule Adaptive Network: With Experimental Validation. *Compel-the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, 38(6): 1782-1799.
15. Olivier, D., Lepoint, G., Aguilar-Medrano, R., Diaz, A. H. R., Sanchez-Gonzalez, A. & Sturaro, N. (2019). Ecomorphology, Trophic Niche, and Distribution Divergences of Two Common Damselfishes in the Gulf of California. *Comptes Rendus Biologies*, 342(9-10): 309-321.
16. Perez, P. A. L., Aguilar-Lopez, R., Castillo-Baltazar, O. S., Castaneda, E. V. & Caballero, V. P. (2019). Virtual Sensors for Bio-Fuels Production: a Brief Mathematical Description for Synthesis of Algorithms. *Comptes Rendus De L Academie Bulgare Des Sciences*, 72(10): 1383-1392.
17. Ramirez-Moreno, M. A. & Gutierrez, D. (2019). Evaluating a Semiautonomous Brain-Computer Interface Based on Conformal Geometric Algebra and Artificial Vision. *Computational Intelligence and Neuroscience*, 2019: 9374802.
18. Ochoa, M. E., Arcos-Ramos, R., Ramirez-Montes, P. I., Hopfl, H., Leyva, M. A., Farfan, N. & Santillan, R. (2019). Asymmetric Molecular Rotors Based on Steroidal Fragments. Organic Building Blocks Displaying Versatile Supramolecular Steroid-Stacking Interactions. *Crystal Growth & Design*, 19(11): 6114-6126.
19. Ongaro, L., Sciar, M. O., Flores, R. et al. (2019). The Genomic Impact of European Colonization of the Americas. *Current Biology*, 29(23): 3974-+.
20. Sanchez, A. G., Prokhorov, E., Luna-Barcenas, G., Kovalenko, Y., Rivera-Munoz, E. M., Raucci, M. G. & Buonocore, G. (2019). Effect of chemical oxidation routes on the properties of chitosan-mwcnt nanocomposites. *Current Nanoscience*, 15(6): 618-625.
21. Charles-Darby, K., Carrasco-Alvarez, R. & Parra-Michel, R. (2019). Complexity Reduction of Mlse and Map Equalizers Using Modified Prolate Basis Expansion. *Electronics*, 8(11): 1333.
22. Cuevas, E., Liceaga-Correa, M. A. & Uribe-Martinez, A. (2019). Ecological vulnerability of two sea turtle species in the Gulf of Mexico: an integrated spatial approach. *Endangered Species Research*, 40: 337-356.
23. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at root $\sqrt{s} = 8$ TeV. *European Physical Journal C*, 79(11): 969.
24. Alcantara-Zavala, A. E., Figueroa-Cardenas, J. D. D., Morales-Sanchez, E., Aldrete-Tapia, J. A., Arvizu-Medrano, S. M. & Martinez-Flores, H. E. (2019). Application of Ohmic Heating to Extend Shelf Life and Retain the Physicochemical, Microbiological, and Sensory Properties of Pulque. *Food and Bioproducts Processing*, 118: 139-148.
25. Grajales-Lagunes, A., Cabrera-Ruiz, L., Gutierrez-Miceli, F., Ruiz-Cabrera, M. A., Dendooven, L. & Abud-Archila, M. (2019). Anthocyanins From Blackberry (*Rubus Fructicosus L.*) Impregnated in Yam Bean (*Pachyrhizus Erosus* (L.) Urb.) By Osmotic Dehydration. *Food Science and Technology*, 39(4): 922-929.
26. Parra-Mercado, G. K., Fuentes-Gonzalez, A. M., Hernandez-Aranda, J., Diaz-Coranguez, M., Dautzenberg, F. M., Catt, K. J., Hauger, R. L. & Olivares-Reyes, J. A. (2019). Crf1 Receptor Signaling Via the Erk1/2-Map and Akt Kinase Cascades: Roles of Src, Egf Receptor, and Pi3-Kinase Mechanisms. *Frontiers in Endocrinology*, 10: 869.
27. Mateos-Chavez, A. A., Munoz-Lopez, P., Becerra-Baez, E. I. et al. (2019). Live Attenuated *Salmonella Enterica* Expressing and Releasing Cell-Permeable Bax Bh3 Peptide Through the MisI Autotransporter System Elicits Antitumor Activity in a Murine Xenograft Model of Human B Non-Hodgkin's Lymphoma. *Frontiers in Immunology*, 10: 2562.

28. Abusara, N. F., Piercey, B. M., Moore, M. A. et al. (2019). Comparative Genomics and Metabolomics Analyses of Clavulanic Acid-Producing Streptomyces Species Provides Insight Into Specialized Metabolism. *Frontiers in Microbiology*, 10: 2550.
29. Araiza-Villanueva, M., Avila-Calderon, E. D., Flores-Romo, L. et al. (2019). Proteomic Analysis of Membrane Blebs of Brucella Abortus 2308 and Rb51 and Their Evaluation as an Acellular Vaccine. *Frontiers in Microbiology*, 10: 2714.
30. Gallardo-Navarro, O. A. & Santillan, M. (2019). Three-Way Interactions in an Artificial Community of Bacterial Strains Directly Isolated From the Environment and Their Effect on the System Population Dynamics. *Frontiers in Microbiology*, 10: 2555.
31. Munoz-Talavera, A., Gomez-Lim, M. A., Salazar-Olivo, L. A., Reinders, J., Lim, K., Escobedo-Moratilla, A., Lopez-Calleja, A. C., Islas-Carballo, M. C. & Rincon-Sanchez, A. R. (2019). Expression of the Biologically Active Insulin Analog Sci-57 in Nicotiana Benthamiana. *Frontiers in Pharmacology*, 10: 1335.
32. Perez, C. I., Kalyanasundar, B., Moreno, M. G. & Gutierrez, R. (2019). The Triple Combination Phentermine Plus 5-Htp/Carbidopa Leads to Greater Weight Loss, With Fewer Psychomotor Side Effects Than Each Drug Alone. *Frontiers in Pharmacology*, 10: 1327.
33. Martin, M., Bejar, J., Chavez, D. et al. (2019). Supraspinal Shaping of Adaptive Transitions in the State of Functional Connectivity Between Segmentally Distributed Dorsal Horn Neuronal Populations in Response to Nociception and Antinociception. *Frontiers in Systems Neuroscience*, 13: 47.
34. Matos, T., Avilez, A., Bernal, T. & Chavanis, P. H. (2019). Energy Balance of a Bose Gas in a Curved Space-Time. *General Relativity and Gravitation*, 51(12): 159.
35. Rojas-Dominguez, A., Barradas-Baustista, D. & Alvarado, M. (2019). Modeling the Game of Go by Ising Hamiltonian, Deep Belief Networks and Common Fate Graphs. *Ieee Access*, 7: 120117-120127.
36. Gomez-Villanueva, R. & Jardon-Aguilar, H. (2019). Compact UWB Uniplanar Four-Port MIMO Antenna Array with Rejecting Band. *Ieee Antennas and Wireless Propagation Letters*, 18(12): 2543-2547.
37. Juarez, L. & Mondie, S. (2019). Dynamic predictor-based controls: A time-domain stability analysis. *Ieee Latin America Transactions*, 17(7): 1207-1213.
38. Diaz-Bernabe, J. & Morales-Acevedo, A. (2019). Experimental Study of the Equivalence of the Adaptive Incremental Conductance (Aic) and the Adaptive Perturb and Observe (Apo) Algorithms for Pv Systems Maximum Power Tracking. *Ieee Latin America Transactions*, 17(8): 1237-1243.
39. Morales-Valdez, J., Alvarez-Icaza, L. & Escobar-Sanchez, J. (2019). Online Identification System for Damage Location in Building Structures. *Ieee Latin America Transactions*, 17(8): 1283-1290.
40. Maldonado, J., Luna, L., Garrido, R. & Castro, G. (2019). A Teaching Methodology Based on an Educational Experimental Platform. *Ieee Latin America Transactions*, 17(8): 1363-1370.
41. Hernandez-Barrios, Y., Cerdeira, A., Tinoco, J. & Iniguez, B. (2019). Features of the Nonlinear Harmonic Distortion in Aostfts. *Ieee Transactions on Electron Devices*, 66(12): 5177-5182.
42. Garcia-Cruz, A., Rincon-Enriquez, G., Ilyina, A. et al. (2019). Bactericidal in-Vitro Effect of Zinc Ferrite Nanoparticles and the Orange Wax Extracts on Three Phytopathogen Microorganisms. *Ieee Transactions on Nanobioscience*, 18(4): 528-534.
43. Lopez-Garcia, T. B., Sanchez, E. N. & Ruiz-Cruz, R. (2019). Real-Time Implementation of Battery Bank Charge-Discharge Based on Neural Inverse Optimal Control. *Iet Renewable Power Generation*, 13(16): 3124-3132.

44. De La Cruz, G. G., Gomez-Cansino, R., Rodriguez-Fragoso, P., Jaimes-Chavez, P., Barbosa-Ray, A. L., Reyes-Esparza, J. & Rodriguez-Fragoso, L. (2019). Disposition and Biocompatibility of Dextrin-Coated Cadmium Sulphide Nanoparticles After a Single Dose and Multiple Doses in Rats. *Indian Journal of Pharmaceutical Sciences*, 81(5): 876-884.
45. Fernandez-Lopez, L. A., Gil-Becerril, K., Galindo-Gomez, S., Estrada-Garcia, T., Ximenez, C., Leon-Coria, A., Moreau, F., Chadee, K. & Tsutsumi, V. (2019). Entamoeba Histolytica Interaction With Enteropathogenic Escherichia Coli Increases Parasite Virulence and Inflammation in Amebiasis. *Infection and Immunity*, 87(12): e00279.
46. Gonzalez-Herrera, R., Ucan-Navarrete, J. P., Sanchez Y Pinto, I., Medina-Escalante, R., Arcega-Cabrera, F., Zetina-Moguel, C. & Casares-Salazar, R. (2019). Drones. Applications in civil engineering and geosciences. *Interciencia*, 44(6): 326-331.
47. Martinez-Corona, R., Cortes-Penagos, C., Madrigal-Perez, L. A. & Gonzalez-Hernandez, J. C. (2019). Fungi and yeasts: Lipase factories. *Interciencia*, 44(7): 378-385.
48. Diaz-Valle, A., Falcon-Gonzalez, J. M. & Carrillo-Tripp, M. (2019). Hot Spots and Their Contribution to the Self-Assembly of the Viral Capsid: in Silico Prediction and Analysis. *International Journal of Molecular Sciences*, 20(23): 5966.
49. Luna-Morales, M. E., Luna-Morales, E. & Perez-Angon, M. A. (2019). The Impacts of Descentralization of Teaching and Research in the Cinvestav of 1961-2015: Bibliometric Study. *Investigacion Bibliotecologica*, 33(81): 57-87.
50. Aab, A., Abreu, P., Aglietta, M. et al. (2019). Probing the Origin of Ultra-High-Energy Cosmic Rays With Neutrinos in the Eev Energy Range Using the Pierre Auger Observatory. *Journal of Cosmology and Astroparticle Physics*, (10): 022.
51. Medina-P?rez, G., Hern?ndez-Uribe, J. P., Fern?ndez-Le?n, D., Prince, L., Fern?ndez-Luque?o, F. & Campos-Montiel, R. G. (2019). Application of Nanoemulsions (W/O) With Active Compounds of Cactus Pear Fruit in Starch Films to Improve Antioxidant Activity and Incorporate Antibacterial Property. *Journal of Food Process Engineering*, 42(7): e13268.
52. Rios-Muniz, D., Cerna-Cortes, J. F., Lopez-Saucedo, C., Angeles-Morales, E., Bobadilla-Del Valle, M., Ponce-De Leon, A. & Estrada-Garcia, T. (2019). Longitudinal Analysis of the Microbiological Quality of Raw Cow's Milk Samples Collected From Three Small Family Dairy Farms in Mexico Over a 2-Year Period. *Journal of Food Protection*, 82(12): 2194-2200.
53. Acharya, S., Adamov? D., Adhya, S. P. et al. (2019). Measurement of prompt D0, D+, D*+, and DS+ production in p-Pb collisions at root sNN = 5.02 TeV. *Journal of High Energy Physics*, 2019(12): 92.
54. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurements of differential Z boson production cross sections in proton-proton collisions at root s̄s = 13 TeV. *Journal of High Energy Physics*, 2019(12): 61.
55. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at root s̄s = 13 TeV. *Journal of High Energy Physics*, 2019(12): 62.
56. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for supersymmetry using Higgs boson to diphoton decays at root s = 13 TeV. *Journal of High Energy Physics*, 2019(11): 109.

57. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at root $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*, 2019(11): 082.
58. Goh, J., Fagot, A., Gul, M. et al. (2019). Cmsrpc Efficiency Measurement Using the Tag-and-Probe Method. *Journal of Instrumentation*, 14: C10020.
59. Lagarde, F., Fagot, A., Gul, M. et al. (2019). High Rate Rpc Detector for Lhc. *Journal of Instrumentation*, 14: C10037.
60. Reyes-Almanza, R., Dimitrov, A., Fagot, A. et al. (2019). High voltage calibration method for the CMS RPC detector. *Journal of Instrumentation*, 14(9): C09046.
61. Voevodina, E., Fagot, A., Gul, M. et al. (2019). Re3/1 & Re4/1 Rpc Chambers Integration in the Inner Region of the Forward Muon Spectrometer in the Cms Experiment. *Journal of Instrumentation*, 14: C10027.
62. Estrada, C. U., Bernardino, S. C., Hernandez, A. C. et al. (2019). RPC radiation background simulations for the high luminosity phase in the CMS experiment. *Journal of Instrumentation*, 14(9): C09045.
63. Yuan, X., Dragoe, D., Beaunier, P., Bahena-Uribe, D., Ramos, L., Mendez-Medrano, M. G. & Remita, H. (2019). Polypyrrole nanostructures modified with mono- And bimetallic nanoparticles for photocatalytic H₂ generation. *Journal of Materials Chemistry A*, 8(1): 268-277.
64. Lopez-Garcia, R. D., Garcia-Pastor, F. A., Maldonado-Reyes, A., Jimenez-Gomez, M. A. & Rodriguez-Garcia, J. A. (2019). Analysis of the Effect of Immersion Rate on the Distortion and Residual Stresses in Quenched Sae 5160 Steel Using Fem. *Journal of Materials Research and Technology-Jmr&T*, 8(6): 5557-5571.
65. Linares, I. G. H. & De La Cruz, G. G. (2019). Role of Plasmon Modes on the Optical Reflectivity of Graphene-Metallic Structures: a Theoretical Approach. *Journal of Nano Research*, 60: 76-85.
66. Acosta-Silva, Y. J., Toledano-Ayala, M., Torres-Delgado, G., Torres-Pacheco, I., Mendez-Lopez, A., Castanedo-Perez, R. & Zelaya-Angel, O. (2019). Nanostructured Ceo2 Thin Films Prepared by the Sol-Gel Dip-Coating Method With Anomalous Behavior of Crystallite Size and Bandgap. *Journal of Nanomaterials*, 2019: 5413134.
67. Arreaga-Gonzalez, H. M., Rodriguez-Garcia, G., Del Rio, R. E., Ferreira-Sereno, J. A., Garcia-Gutierrez, H. A., Cerdá-García-Rojas, C. M., Joseph-Nathan, P. & Gomez-Hurtado, M. A. (2019). Configurational Variation of a Natural Compound within Its Source Species. The Unprecedented Case of Areolal in Piptothrix areolare. *Journal of Natural Products*, 82(12) : 3394-3400.
68. Armenta-Salinas, C., Guzman-Mejia, R., Garcia-Gutierrez, H. A., Roman-Marin, L. U., Hernandez-Hernandez, J. D., Cerdá-García-Rojas, C. M. & Joseph-Nathan, P. (2019). Novel Sesquiterpene Skeletons by Multiple Wagner-Meerwein Rearrangements of a Longipinane-1,9-diol Derivative. *Journal of Natural Products*, 82 (12): 3410-3420.
69. Plascencia-Hernandez, F., Luna, A. L., Colbeau-Justin, C., Santiago, P., Garcia-Rocha, M., Valverde-Aguilar, G. & Valenzuela, M. A. (2019). Cu2O cubic and polyhedral structures versus commercial powder: Shape effect on photocatalytic activity under visible light. *Journal of Saudi Chemical Society*, 23(8): 1016-1023.
70. Peraza-Mues, G. G. & Moukarzel, C. F. (2019). Sustained Rotation in a Vibrated Disk With Asymmetric Supports. *Journal of Statistical Mechanics-Theory and Experiment*, 2019(10): 103201.

71. Santos-Sanchez, O. J., Mondie, S., Rodriguez-Guerrero, L. & Carmona-Rosas, J. C. (2019). Delays Compensation for an Atmospheric Sliced Tomatoes Dehydration Process Via State Predictors. *Journal of the Franklin Institute-Engineering and Applied Mathematics*, 356(18): 11473-11491.
72. Oropeza-Guzman, E., Rios-Ramirez, M. & Ruiz-Suarez, J. C. (2019). Leveraging the Coffee Ring Effect for a Defect-Free Electroformation of Giant Unilamellar Vesicles. *Langmuir*, 35(50): 16528-16535.
73. Nieto-Zepeda, K. E., Guillen-Cervantes, A., Campos-Gonzalez, E., Gonzalez-De La Cruz, G., Santoyo-Salazar, J., Zelaya-Angel, O. & De Moure-Flores, F. (2019). Cdse Films Synthesized From Chemical Bath Deposited Cd(O-2)(0.88)(Oh)(0.24) Precursor Films Immersed in a Se Ionic Solution. *Materials Research Express*, 6(12): 126406.
74. Franco-Bacca, A. P., Cervantes-Alvarez, F., Glorieux, C., Rodriguez-Gattorno, G. & Gil, J. J. A. (2019). Tuning Light Transmission With Smart Fluids Based on 1d Carbon Nanomaterials. *Materials Research Express*, 6(11): 115086.
75. Medina-Juarez, I., Araujo-De Oliveira, J., Moat, R. J. & Garcia-Pastor, F. A. (2019). On the accuracy of finite element models predicting residual stresses in quenched stainless steel. *Metals*, 9(12): 1308.
76. Facusseh, C., Salinas, A., Flores, A. & Altamirano, G. (2019). Study of static recrystallization kinetics and the evolution of austenite grain size by dynamic recrystallization refinement of an eutectoid steel. *Metals*, 9(12): 1289.
77. Mendez-Lozano, N., Apatiga-Castro, L. M., Rivera-Munoz, E. M., Manzano-Ramirez, A., Gonzalez-Gutierrez, C. A. & Zamora-Antunano, M. A. (2019). Crystal growth of hydroxyapatite microplates synthesised by Sol-Gel method. *Micro & Nano Letters*, 14(14): 1414-1417.
78. Selem-Mojica, N., Aguilar, C., Gutierrez-Garcia, K., Martinez-Guerrero, C. E. & Barona-Gomez, F. (2019). EvoMining reveals the origin and fate of natural product biosynthetic enzymes. *Microbial Genomics*, 5(12): e000260.
79. Grijalva-Hernandez, F., Vega-Estrada, J., Escobar-Rosales, M., Ortega-Lopez, J., Aguilar-Lopez, R., Lara, A. R. & Montes-Horcasitas, M. C. (2019). High Kanamycin concentration as another stress factor additional to temperature to increase pdna production in e. Coli DH5alpha batch and fed-batch cultures. *Microorganisms*, 7(12) : 711.
80. Selvaraj, S., Dhone, N. R., Kiley, J. et al. (2019). Gene Correction of Lgmd2a Patient-Specific Ipscs for the Development of Targeted Autologous Cell Therapy. *Molecular Therapy*, 27(12): 2147-2157.
81. Higareda, A., Kumar-Krishnan, S., Garcia-Ruiz, A. E., Maya-Cornejo, J., Lopez-Miranda, J. L., Bahena, D., Rosas, G., Perez, R. & Esparza, R. (2019). Synthesis of Au@Pt Core-Shell Nanoparticles as Efficient Electrocatalyst for Methanol Electro-Oxidation. *Nanomaterials*, 9(11): 1644.
82. Ortega-Romero, M., Mendez-Hernandez, P., Cruz-Angulo, M. D. et al. (2019). Chronic Kidney Disease in Children Aged 6-15 Years and Associated Risk Factors in Apizaco, Tlaxcala, Mexico, a Pilot Study. *Nephron*, 143(4): 264-273.
83. Gonzalez-Gonzalez, L., Gonzalez-Ramirez, R., Flores, A., Avelino-Cruz, J. E., Felix, R. & Monjaraz, E. (2019). Epidermal Growth Factor Potentiates Migration of MDA-MB 231 Breast Cancer Cells by Increasing NaV1.5 Channel Expression. *Oncology*, 97(6): 373-382.
84. Calixto, S., Piazza, V., Gonzalez-Suarez, A. M., Garcia-Cordero, J. L., Bruce, N. C., Rosete-Aguilar, M. & Garnica, G. (2019). Liquid Refractive Index Measured Through a Refractometer Based on Diffraction Gratings. *Optics Express*, 27(24): 34705-34720.

85. Rios-Ramirez, M., Espinoza, J. H., Ruiz-Suarez, J. C. & Mercado-Uribe, H. (2019). The Effect of Green Light on the Motility of Mouse Sperm at Two Different Temperatures. *Photochemical & Photobiological Sciences*, 18(12): 2893-2900.
86. Kornovan, D. F., Corzo, N. V., Laurat, J. & Sheremet, A. S. (2019). Extremely Subradiant States in a Periodic One-Dimensional Atomic Array. *Physical Review A*, 100(6): 063832.
87. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Constraints on Anomalous Hvv Couplings From the Production of Higgs Bosons Decaying to Tau Lepton Pairs. *Physical Review D*, 100(11): 112002.
88. Acharya, S., Adamova, D., Adhya, S. P. et al. (2019). Measurement of Charged Jet Cross Section in Pp Collisions at Root S=5.02 Tev. *Physical Review D*, 100(9): 092004.
89. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Long-Lived Particles Using Delayed Photons in Proton-Proton Collisions at Root S=13 Tev. *Physical Review D*, 100(11): 112003.
90. Mejia, I. M., Manko, V. S. & Ruiz, E. (2019). Simplest Static and Stationary Vacuum Quadrupolar Metrics. *Physical Review D*, 100(12): 124021.
91. Hutařuk, P. T. P., Cobos-Martinez, J. J., Oh, Y. & Tsushima, K. (2019). Valence-Quark Distributions of Pions and Kaons in a Nuclear Medium. *Physical Review D*, 100(9): 094011.
92. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Low-Mass Quark-Antiquark Resonances Produced in Association With a Photon at Root S=13 Tev. *Physical Review Letters*, 123(23): 231803.
93. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Physics Beyond the Standard Model in Events With Overlapping Photons and Jets. *Physical Review Letters*, 123(24): 241801.
94. Mayo-Hernandez, J., Ramirez-Chavez, E., Molina-Torres, J., Guillen-Cisneros, M. D., Rodriguez-Herrera, R., Hernandez-Castillo, F., Flores-Olivas, A. & Valenzuela-Soto, J. H. (2019). Effects of Bactericera Cockerelli Herbivory on Volatile Emissions of Three Varieties of Solanum Lycopersicum. *Plants-Basel*, 8(11): 509.
95. Guzman-Flores, J. E., Steinemann-Hernandez, L., Gonzalez-De La Vara, L. E., Gavilanes-Ruiz, M., Romeo, T., Alvarez, A. F. & Georgellis, D. (2019). Proteomic analysis of Escherichia coli detergent-resistant membranes (DRM). *Plos One*, 14(10): e0223794.
96. St Thomas, C., Lopez, C. N. M. , Regalado, E. J. J., Tellez, M. A. D., Festag, G., Schubert, U. S. & Guerrero-Sanchez, C. (2019). Preparation of Hydrophobically Modified Associating Multiblock Copolymers Via a One-Pot Aqueous Raft Polymerization. *Polymer Chemistry*, 10(46): 6247-6253.
97. Vadillo, E., Chanez-Paredes, S., Vargas-Robles, H. et al. (2019). Intermittent rolling is a defect of the extravasation cascade caused by Myosin1e-deficiency in neutrophils. *Proceedings of the National Academy of Sciences of the United States of America*, 116(52): 26752-26758.
98. Navarro, A., Delgado-Aguinaga, J. A., Sanchez-Torres, J. D., Begovich, O. & Besancon, G. (2019). Evolutionary Observer Ensemble for Leak Diagnosis in Water Pipelines. *Processes*, 7(12): 913.
99. Galvan-Tejada, G. M. & Aguilar-Torreterra, J. (2019). Analysis of propagation for wireless sensor networks in outdoors. *Progress In Electromagnetics Research B*, 83(2019): 153-175.
100. Ruiz-Luna, H., Porcayo-Calderon, J., Mora-Garcia, A. G., Lopez-Baez, I., Martinez-Gomez, L. & Munoz-Saldana, J. (2019). Corrosion Performance of AISI 304 Stainless Steel in CO₂-Saturated Brine Solution. *Protection of Metals and Physical Chemistry of Surfaces*, 55(6): 1226-1235.

101. Garcia, V., Loera, O., Montes, M. D. & Mendoza, G. D. (2019). Fibrolytic Activity of Four Trichoderma Strains Grown on Agro-Industrial Residues. *Revista De La Facultad De Ciencias Agrarias*, 51(2): 192-200.
102. Hernandez, L., Veleva, L., Garcia-Galvan, F. R. & Galvan, J. C. (2019). Effect of ZrO₂ and L-Cys Nanoparticles as Dopants in Sol-Gel of Mesoporous Silica Coating for Corrosion Protection of AZ61 Magnesium Alloy. *Revista De Metalurgia*, 55(4): e155.
103. Latha, M., Aruna-Devi, R., Velumani, S., Murali, B., Santoyo-Salazar, J. & De Moura-Flores, F. (2019). Solution Based Synthesis of Cu_x(In_{1-x}Ga)_ySe₂ Microcrystals and Thin Films. *RSC Advances*, 9(60): 35197-35208.
104. Mandel, N. D., Gamboa-Loira, B., Cebrian, M. E., Merida-Ortega, A. & Lopez-Carrillo, L. (2019). Challenges to Regulate Products Containing Bisphenol a: Implications for Policy. *Salud Publica De Mexico*, 61(5): 692-697.
105. Medina-Buelvas, D. M., Estrada-Muniz, E., Rodriguez-Sosa, M., Shibayama, M. & Vega, L. (2019). Increased Heart Fibrosis and Acute Infection in a Murine Chagas Disease Model Associated With Organophosphorus Pesticide Metabolite Exposure. *Scientific Reports*, 9: 17539.
106. Hernandez, G. & Blanco, C. A. (2019). Winter Survival of Larvae of Tobacco Budworm in the Mississippi Delta Maintains the Stability of Its Population. *Southwestern Entomologist*, 44(4): 813-823.
107. Ruiz, G., Valencia-Gonzalez, H. A., Perez-Montiel, D. et al. (2019). Genes Involved in the Transcriptional Regulation of Pluripotency Are Expressed in Malignant Tumors of the Uterine Cervix and Can Induce Tumorigenic Capacity in a Nontumorigenic Cell Line. *Stem Cells International*, 2019: 7683817.
108. Camargo-Martinez, J. A., Gonzalez-Pedreros, G. I. & Baquero, R. (2019). High-T-C Superconductivity in H3S: Pressure Effects on the Superconducting Critical Temperature and Cooper Pair Distribution Function. *Superconductor Science & Technology*, 32(12): 125013.
109. Dobrogowska, A. & Fernandez, D. J. (2019). Discrete Quantum Harmonic Oscillator. *Symmetry-Basel*, 11 (11): 1362.
110. Daza, L. G., Acosta, M., Castro-Rodriguez, R. & Iribarren, A. (2019). Tuning optical properties of ITO films grown by rf sputtering: Effects of oblique angle deposition and thermal annealing. *Transactions of Nonferrous Metals Society of China*, 29(12): 2566-2576.
111. Neumann, A., Alcantara-Ortigoza, M. A., Gonzalez-Del Angel, A., Camargo-Diaz, F. & Lopez-Baygen, E. (2019). Diagnosis of Laron Syndrome Using Monoplex-Polymerase Chain Reaction Technology With a Whole-Genome Amplification Template: a Case Report. *World Journal of Clinical Cases*, 7(23): 4029-4035.
112. De Leon-Martinez, L. D., Solis-Mercado, J., Rodriguez-Aguilar, M., Diaz-Barriga, F., Ortiz, D. G. & Flores-Ramirez, R. (2019). Assessment of Aflatoxin B-1-Lysine Adduct in Serum of Infant Population of the Huasteca Potosina, Mexico - a Pilot Study. *World Mycotoxin Journal*, 12(4): 421-429.
113. Gonzalez-Solis, D., Soler-Jimenez, L. C., Aguirre-Macedo, M. L. et al. (2019). Parasitic Nematodes of Marine Fishes From Palmyra Atoll, East Indo-Pacific, Including a New Species of Spinitectus (Nematoda, Cystidicolidae). *Zootaxa*, 4711(1): 1-26.
114. Abarca-Avila, M. M., Herrerra-Dorantes, M. T., Winfield, I. & Ardisson, P. L. (2019). Updated Checklist and Identification Key of Benthic Tanaidaceans (Crustacea: Peracarida) of the Sublittoral Zone of the Northern Yucatan Peninsula, Mexico. *Zootaxa*, 4711(1): 51-76.

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

115. Mendez-Medrano, M. G., Kowalska, E., Endo-Kimura, M., Wang, K., Ohtani, B., Bahena-Uribe, D., Rodriguez-Lopez, J. L. & Remita, H. (2019). Inhibition of Fungal Growth Using Modified TiO₂ with Core@Shell Structure of Ag@CuO Clusters. *Acs Applied Bio Materials*, 2: 5626-5633.
116. Woody, E. Z., Hoffman, K. L. & Szechtman, H. (2019). Obsessive compulsive disorder (OCD): Current treatments and a framework for neurotherapeutic research. *Advances in Pharmacology*, 86: 237-271.
117. Cuevas-Vallejo, C. A. & Pluvinage, F. (2019). Revisitando la noción de función real. *Calculo y Su Ensenanza De Las Ciencias y La Matematica*, 13: 19-35.
118. Salmeron-Barcenas, E. G., Illades-Aguiar, B., Del Moral-Hernandez, O., Ortega-Soto, A. & Hernandez-Sotelo, D. (2019). HOTAIR Knockdown Decreased the Activity Wnt/Beta-Catenin Signaling Pathway and Increased the mRNA Levels of Its Negative Regulators in Hela Cells. *Cellular Physiology and Biochemistry*, 53(6): 948-960.
119. Ballesteros, M., Polyakov, A. , Efimov, D., Chairez, I. & Poznyak, A. (2019). Differential Neural Network Identification for Homogeneous Dynamical Systems. *Ifac Papersonline*, 52(16): 233-238.
120. Juarez, L. & Mondie, S. (2019). Dynamic Predictor-Based Extended Cooperative Adaptive Cruise Control. *Ifac Papersonline*, 52(18): 7-12.
121. Flores-Resendiz, J. F., Meza-Herrera, J. & Aranda-Bricaire, E. (2019). Formation Control With Collision Avoidance for First-Order Multi-Agent Systems: Experimental Results. *Ifac Papersonline*, 52(15): 127-132.
122. Ortiz, R. & Mondie, S. (2019). On the Lyapunov Matrix for Integral Delay Systems With a Class of General Kernel. *Ifac Papersonline*, 52(18): 91-96.
123. Flores-Flores, J. P. & Martinez-Guerra, R. (2019). Pi observer design a class of nondifferentiably flat systems. *International Journal of Applied Mathematics and Computer Science*, 29(4): 655-665.
124. Estrada, E., Yu, W. & Li, X. (2019). Stability and transparency of delayed bilateral teleoperation with haptic feedback. *International Journal of Applied Mathematics and Computer Science*, 29(4): 681-692.
125. Kravchenko, I. V., Kravchenko, V. V., Torba, S. M. & Dias, J. C. (2019). Pricing double barrier options on homogeneous diffusions: A neumann series of bessel functions representation. *International Journal of Theoretical and Applied Finance*, 22(6): 1950030.
126. Mondragon-Figueroa, M., Guzman-Carrillo, H. R., Rico, M. A. et al. (2019). Development of a Construction Material for Indoor and Outdoor, Metakaolinite-Based Geopolymer, with Environmental Properties. *Journal of Materials Science and Engineering A*, 9(7-8): 131-142.
127. Shams, S., Aslam, M. & Martinez-Enriquez, A. M. (2019). Lexical Intent Recognition in Urdu Queries Using Deep Neural Networks. *Lecture Notes in Artificial Intelligence*, 11835: 39-50.
128. Carrizales, D., Sanchez-Gallegos, D. D., Reyes, H., Gonzalez-Compean, J. L., Morales-Sandoval, M., Carretero, J. & Galaviz-Mosqueda, A. (2019). A data preparation approach for cloud storage based on containerized parallel patterns. *Lecture Notes in Computer Science*, 11874: 478-490.
129. Madrid, J. G. & Escalante, H. J. (2019). Meta-learning of Text Classification Tasks. *Lecture Notes in Computer Science*, 11896: 107-119.
130. Aichholzer, O., Fabila-Monroy, R., Fuchs, A., Hidalgo-Toscano, C., Parada, I., Vogtenhuber, B. & Zaragoza, F. (2019). On the 2-Colored Crossing Number. *Lecture Notes in Computer Science*, 11904: 87-100.

131. Cervantes-Vazquez, D., Chenu, M., Chi-Dominguez, J. J., De Feo, L., Rodriguez-Henriquez, F. & Smith, B. (2019). Stronger and faster side-channel protections for CSIDH. *Lecture Notes in Computer Science*, 11774: 173-193.
132. Castaneda, E. J. G., Castro, R. E. B., Briseno, A. C., Arguijo, B. F., Castillo, A. A. T., Rodriguez, A. S., Galindo, J. T. E. & Sanchez, S. A. P. (2019). Effect of Quenching and Normalizing on the Microstructure and Magnetocaloric Effect of a Cu-11al-9zn Alloy With 6.5 Wt % Ni-2.5 Wt % Fe. *Magnetochemistry*, 5(3): 48.
133. Diaz-Pineda, J., Garcia-Cruz, A., Gonzalez-Saez, L. Y., Luis-Orozco, J. & Diaz-Jimenez, M. L. V. (2019). Impurities adsorption from the clarified juice of the sugarcane industry by pyrolyzed biomass. *Revista Cubana De Quimica*, 7(31): 3.
134. Mendoza-Von der Borch, T. & Block-Sevilla, D. (2019). Where does the romboid go?: geometrical and spacial knowledges that emerge through the use of the tangram in an elementary school in Mexico City. *Revista Iberoamericana Do Patrimonio Historico-Educativo*, 5: 1-30.
135. Perez, Y. J., Garrido, R. & Diaz-Ponce, A. (2019). Modeling and Control of a Two-Axis Solar Tracking System. *Springer Proceedings in Physics*, 233: 173-183.
136. Diaz-Ponce, A., Garrido, R., Pena-Cruz, M. I., Coronado, L. V., Salgado-Transito, I., Martell, F. & Cajero-Rodriguez, S. A. (2019). Toward the Development of a Low-Cost High-Precision Instrumented Mini-Solar Sensor. *Springer Proceedings in Physics*, 233: 127-133.
137. Delgado, B. B. & Porter, R. M. (2019). Hardy Spaces for the Three-Dimensional Vekua Equation. *Trends in Mathematics*, pp. 125-140.
138. Oktac, A. (2019). Mental constructions in linear algebra. *Zdm-Mathematics Education*, 51(7): 1043-1054.

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

139. Morgan, R. K., Anderson, G. R., Ara?, D. et al. (2019). The Expanding Functional Roles and Signaling Mechanisms of Adhesion G Protein-Coupled Receptors. *Annals of the New York Academy of Sciences*, 1456(1): 5-25.
140. Quintanar, L. & Lim, M. H. (2019). Metal Ions and Degenerative Diseases Introduction. *Journal of Biological Inorganic Chemistry*, 24(8): 1137-1139.
141. Merino, G. & Vela, J. (2019). Mexican Chemist Overseas, Special Issue. *Journal of the Mexican Chemical Society*, 63(3).
142. Chaudhry, F. A., Loland, C. J., Ortega, A. & Schousboe, A. (2019). Special issue on neurotransmitter transporters. *Neuropharmacology*, 161: 107859.
143. Cantoral, R. (2019). Ways of Institutional Dissemination of Knowledge: a Role for Relime. *Revista Latinoamericana De Investigacion En Matematica Educativa-Relime*, 22(3): 255-260.
144. Adam, J., Adamov, D., Aggarwal, M. M. et al. (2019). Erratum to: Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $s = 7$ TeV (The European Physical Journal C, (2017), 77, 8, (569), 10.1140/epjc/s10052-017-5129-6). *European Physical Journal C*, 79(12): 998.

145. Diaz-Bautista, E. & Fernandez, D. J. (2019). Erratum to: Graphene coherent states (The European Physical Journal Plus, (2017), 132, 11, (499), 10.1140/epjp/i2017-11794-y). *European Physical Journal Plus*, 134(4): 135.

146. Gutierrez, R. (2019). Sucrose Intensity Coding and Decision-Making in Rat Gustatory Cortices. *Chemical Senses*, 44(7): E29.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

147. Cruz-Cortes, C., Maldonado-Vega, M., Dorantes-Loya, J. M. & Calderon-Salinas, J. V. (2019). Effect of Antioxidants Administration on Antioxidant-Oxidant and Proinflammatory States of Children With Acute Lymphoblastic Leukemia. *Free Radical Biology and Medicine*, 145: S62.

148. Oktac, A., Trigueros, M. & Romo-Vazquez, A. (2019). APOS theory: Connecting research and teaching. *For the Learning of Mathematics*, 39(1): 33-37.

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

149. Angulo-Bejarano, P. I., Gomez-Garcia, M. D., Valverde, M. E. & Paredes-Lopez, O. (2019). Nopal (Opuntia Spp.) And Its Effects on Metabolic Syndrome: New Insights for the Use of a Millenary Plant. *Current Pharmaceutical Design*, 25(32): 3457-3477.

150. Rios-Muniz, D., Cerna-Cortes, J. F., Moran-Garcia, N., Meza-Segura, M. & Estrada-Garcia, T. (2019). Enterotoxigenic and Enteroaggregative Escherichia Coli: Prevalence, Pathogenesis and Dead Models. *Gaceta Medica De Mexico*, 155(4): 410-416.

151. Luna-Palencia, G. R., Correa-Basurto, J. & Vasquez-Moctezuma, I. (2019). Valproic Acid as a Sensitizing Agent for Cancer Treatment. *Gaceta Medica De Mexico*, 155(4): 417-422.

152. Palacios-Salgado, D. S., Campos-Davila, L., Granados-Amores, J., Cruz-Escalona, V. H., Peterson, M. S., Moreno-Sanchez, X. G., Aguilar-Medrano, R., Flores-Ortega, J. R. & Abitia-Cardenas, L. A. (2019). Functional Diversity in Fish Assemblages of the Tropical Eastern Pacific Ocean: a Review of Two Decades of Progress in the Functional Diversity Approach. *Hidrobiologica*, 29(1): 17-40.

153. Olivares-Banuelos, T. N., Chi-Castaneda, D. & Ortega, A. (2019). Glutamate transporters: Gene expression regulation and signaling properties. *Neuropharmacology*, 161: 107550.

154. Yanez-Macias, R., Munoz-Bonilla, A., De Jesus-Tellez, M. A., Maldonado-Textle, H., Guerrero-Sanchez, C., Schubert, U. S. & Guerrero-Santos, R. (2019). Combinations of Antimicrobial Polymers With Nanomaterials and Bioactives to Improve Biocidal Therapies. *Polymers*, 11(11): 1789.

155. Patinen, T., Adinolfi, S., Cortes, C. C., Harkonen, J., Deen, A. J. & Levonen, A. L. (2019). Regulation of Stress Signaling Pathways by Protein Lipoxidation. *Redox Biology*, 23: 101114.

156. Marquez, M. F., Totomoch-Serra, A., Rueda, A., Avelino-Cruz, J. E. & Gallegos-Cortez, A. (2019). Basic and clinical insights in catecholaminergic (familial) polymorphic ventricular tachycardia. *Revista De Investigacion Clinica-Clinical and Translational Investigation*, 71(4): 226-236.