

ARTÍCULOS DEL MES DE MAYO DE 2019

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

1. Pliego-Cortes, H., Bedoux, G., Boulho, R., Taupin, L., Freile-Pelegrin, Y., Bourgougnon, N. & Robledo, D. (2019). Stress tolerance and photoadaptation to solar radiation in *Rhodomyenia pseudopalmata* (Rhodophyta) through mycosporine-like amino acids, phenolic compounds, and pigments in an Integrated Multi-Trophic Aquaculture system. [Algal Research](#), 41, 101542.
2. Cedillo-Alcantar, D. F., Han, Y. D., Choi, J., Garcia-Cordero, J. L. & Revzin, A. (2019). Automated Droplet-Based Microfluidic Platform for Multiplexed Analysis of Biochemical Markers in Small Volumes. [Analytical Chemistry](#), 91(8), 5133-5141.
3. Ramos-Tovar, E., Flores-Beltran, R. E., Galindo-Gomez, S., Camacho, J., Tsutsumi, V. & Muriel, P. (2019). An aqueous extract of *Stevia rebaudiana* variety Morita II prevents liver damage in a rat model of cirrhosis that mimics the human disease. [Annals of Hepatology](#), 18 (3), 472-479.
4. Ibarra-Rodriguez, M., Munoz-Flores, B. M., Gomez-Trevino, A., Chan-Navarro, R., Berrones-Reyes, J. C., Chavez-Reyes, A., Dias, H. V. R., Vazquez, M. S. & Jimenez-Perez, V. M. (2019). Organoboron Schiff Bases as Cell-Staining Fluorescent Probes: Synthesis, Chemio-Photophysical Characterization, Dft, and X-Ray Structures. [Applied Organometallic Chemistry](#), 33(4), e4718.
5. Escamilla-Diaz, T., Serralta-Macias, J. J., Garcia-Zaldivar, O., Cruz-Valeriano, E., Ramirez-Bon, R. & Yanez-Limon, J. M. (2019). Optical and dielectric studies of PMMA: precursors of BNT hybrid films. [Applied Physics a-Materials Science & Processing](#), 125(5), 367.
6. Li, L., Lin, Q., Liu, S., Gong, D., Coello-Coello, C. A. & Ming, Z. (2019). A novel multi-objective immune algorithm with a decomposition-based clonal selection. [Applied Soft Computing](#), 81, 105490.
7. Casas-Grajales, S., Alvarez-Suarez, D., Ramos-Tovar, E., Buendia-Montano, L. D., Reyes-Gordillo, K., Camacho, J., Tsutsumi, V., Lakshman, M. R. & Muriel, P. (2019). Stevioside Inhibits Experimental Fibrosis by Down-Regulating Profibrotic Smad Pathways and Blocking Hepatic Stellate Cell Activation. [Basic & Clinical Pharmacology & Toxicology](#), 124(6), 670-680.
8. Cruz-Ortega, J. S. & Boucard, A. A. (2019). Actin Cytoskeleton Remodeling Defines a Distinct Cellular Function for Adhesion G Protein-Coupled Receptors Adgrl/Latrophilins 1, 2 and 3. [Biology Open](#), 8(4), bio039826.
9. James, R. K., Silva, R., Van Tussenbroek, B. I. et al. (2019). Maintaining Tropical Beaches With Seagrass and Algae: a Promising Alternative to Engineering Solutions. [Bioscience](#), 69(2), 136-142.
10. Vega-Garcia, A., Santana-Gomez, C. E., Rocha, L., Magdaleno-Madrigal, V. M., Morales-Otal, A., Buzoianu-Anguiano, V., Feria-Romero, I. & Orozco-Suarez, S. (2019). *Magnolia officinalis* reduces the long-term effects of the status epilepticus induced by kainic acid in immature rats. [Brain Research Bulletin](#), 149, 156-167.
11. Andrade, V. D. M., Flores, J. L. H., Lopez, M. A. R. et al. (2019). Evaluation of the Presence of *Paenibacillus* Larvae in Commercial Bee Pollen Using Pcr Amplification of the Gene for Trna(Cys). [Brazilian Journal of Microbiology](#), 50(2), 471-480.

12. Martinez-Ruiz, M., Vargas-Robles, H., Rios, A., Sanchez, D. & Escalante, B. (2019). Comparative Effects of Nitric Oxide Dependent and Independent Vasodilation on Impaired Hindlimb Revascularization in Enos(-/-) Mice. [Canadian Journal of Physiology and Pharmacology](#), *97*(5), 377-385..
13. Tercero-Perez, K., Cortes, H., Torres-Ramos, Y., Rodriguez-Labrada, R., Cerecedo-Zapata, C. M., Hernandez-Hernandez, O., Perez-Gonzalez, N., Gonzalez-Pina, R., Leyva-Garcia, N., Cisneros, B., Velazquez-Perez, L. & Magana, J. J. (2019). Effects of Physical Rehabilitation in Patients With Spinocerebellar Ataxia Type 7. [Cerebellum](#), *18*(3): 397-405.
14. Colin-Molina, A., Jellen, M. J., Garcia-Quezada, E. et al. (2019). Origin of the Isotropic Motion in Crystalline Molecular Rotors With Carbazole Stators. [Chemical Science](#), *10*(16), 4422-4429.
15. Torres-Cruz, F. M., Vivar-Cortes, I. C., Moran, I., Mendoza, E., Gomez-Pineda, V., Garcia-Sierra, F. & Hernandez-Echeagaray, E. (2019). Nt-4/5 Antagonizes the Bdnf Modulation of Corticostriatal Transmission: Role of the Trkb.t1 Receptor. [Cns Neuroscience & Therapeutics](#), *25*(5), 621-631.
16. Favela-Camacho, S. E., Samaniego-Benitez, E. J., Godinez-Garcia, A., Aviles-Arellano, L. M. & Perez-Robles, J. F. (2019). How to decrease the agglomeration of magnetite nanoparticles and increase their stability using surface properties. [Colloids and Surfaces A-Physicochemical and Engineering Aspects](#), *574*, 29-35.
17. Prokhorov, E., Espana-Sanchez, B. L., Luna-Barcenas, G., Padilla-Vaca, F., Cruz-Soto, M. E., Vazquez-Lepe, M. O., Kovalenko, Y. & Elizalde-Pena, E. A. (2019). Chitosan/copper nanocomposites: Correlation between electrical and antibacterial properties. [Colloids and Surfaces B-Biointerfaces](#), *180*, 186-192.
18. Garcia-Hernandez, N., Corona-Cortes, J., Garcia-Fuentes, L., Gonzalez-Santibanez, R. D. & Parra-Vega, V. (2019). Biomechanical and functional effects of shoulder kinesio taping® on cerebral palsy children interacting with virtual objects. [Computer Methods in Biomechanics and Biomedical Engineering](#), *22*(6), 676-684.
19. Lopez, C. M., Bueno, J. J. P., Lopez, M. L. M., Araiza, J. L. R. & Manzano-Ramirez, A. (2019). Fly Ash Lightweight Material of the Cellular Concrete Type Using Sol-Gel and Thermal Treatment. [Construction and Building Materials](#), *206*, 512-518.
20. Chan-Rosado, G. & Pech-Canul, M. A. (2019). Influence of Native Oxide Film Age on the Passivation of Carbon Steel in Neutral Aqueous Solutions With a Dicarboxylic Acid. [Corrosion Science](#), *153*, 19-31.
21. Hell, P., Hernandez-Cruz, C. & Linhares-Sales, C. (2019). Minimal obstructions to 2-polar cographs. [Discrete Applied Mathematics](#), *261*, 219-228.
22. Castillo-Guillen, C. A., Renteria-Marquez, C., Sarmiento-Rosales, E., Tapia-Recillas, H. & Villarreal, R. H. (2019). The dual of a constacyclic code, self dual, reversible constacyclic codes and constacyclic codes with complementary duals over finite local Frobenius non-chain rings with nilpotency index 3. [Discrete Mathematics](#), *342*(8), 2283-2296.
23. Trejo, K. K., Clempner, J. B. & Poznyak, A. S. (2019). Proximal constrained optimization approach with time penalization. [Engineering Optimization](#), *51*(7), 1207-1228.
24. Diaz de Leon-Martinez, L., Diaz-Barriga, F., Barbier, O., Guzman-Ortiz, D. L., Ortega-Romero, M., Perez-Vazquez, F. & Flores-Ramirez, R. (2019). Evaluation of emerging biomarkers of renal damage and exposure to aflatoxin-B 1 in Mexican indigenous women: a pilot study. [Environmental Science and Pollution Research](#), *26*(12), 12205-12216.

25. Gerardo-Nieto, O., Vega-Penaranda, A., Gonzalez-Valencia, R., Alfano-Ojeda, Y. & Thalasso, F. (2019). Continuous Measurement of Diffusive and Ebullitive Fluxes of Methane in Aquatic Ecosystems by an Open Dynamic Chamber Method. [Environmental Science & Technology](#), *53*(9), 5159-5167.
26. Acharya, S., Acosta, F. T., Adam, J. et al. (2019). Energy dependence of exclusive J/ψ photoproduction off protons in ultra-peripheral p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. [European Physical Journal C](#), *79*(5), 421.
27. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Measurement of D-0, D+, D+* and D-S(+) Production in Pp Collisions at Root S=5.02 Tev With Alice. [European Physical Journal C](#), *79*(5), 388.
28. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. [European Physical Journal C](#), *79*(5), 391.
29. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement of the T(T)Over-Bar Production Cross Section, the Top Quark Mass, and the Strong Coupling Constant Using Dilepton Events in Pp Collisions at Root S=13tev. [European Physical Journal C](#), *79*(5), 368.
30. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Vector-Like Quarks in Events With Two Oppositely Charged Leptons and Jets in Proton-Proton Collisions at Root S=13tev. [European Physical Journal C](#), *79*, 364.
31. Xoca-Orozco, L. A., Aguilera-Aguirre, S., Vega-Arreguin, J., Acevedo-Hernandez, G., Tovar-Perez, E., Stoll, A., Herrera-Estrella, L. & Chacon-Lopez, A. (2019). Activation of the phenylpropanoid biosynthesis pathway reveals a novel action mechanism of the elicitor effect of chitosan on avocado fruit epicarp. [Food Research International](#), *121*, 586-592.
32. Marquez-Valadez, B., Aquino-Miranda, G., Quintero-Romero, M. O., Papacostas-Quintanilla, H., Bueno-Nava, A., Lopez-Rubalcava, C., Diaz, N. F., Arias-Montano, J. A. & Molina-Hernandez, A. (2019). The Systemic Administration of the Histamine H-1 Receptor Antagonist/Inverse Agonist Chlorpheniramine to Pregnant Rats Impairs the Development of Nigro-Striatal Dopaminergic Neurons. [Frontiers in Neuroscience](#), *13*, 360.
33. Fernandez-Miranda, G., Romero-Garcia, T., Barrera-Lechuga, T. P., Mercado-Morales, M. & Rueda, A. (2019). Impaired Activity of Ryanodine Receptors Contributes to Calcium Mishandling in Cardiomyocytes of Metabolic Syndrome Rats. [Frontiers in Physiology](#), *10*, 520.
34. Gutierrez-Garcia, K., Bustos-Diaz, E. D., Corona-Gomez, J. A., Ramos-Aboites, H. E., Selem-Mojica, N., Cruz-Morales, P., Perez-Farrera, M. A., Barona-Gomez, F. & Cibrian-Jaramillo, A. (2019). Cycad Coralloid Roots Contain Bacterial Communities Including Cyanobacteria and Caulobacter Spp. That Encode Niche-Specific Biosynthetic Gene Clusters. [Genome Biology and Evolution](#), *11*(1), 319-334.
35. Torres-Jimenez, J., Izquierdo-Marquez, I. & Avila-George, H. (2019). Methods to Construct Uniform Covering Arrays. [Ieee Access](#), *7*, 42774-42797.
36. Huerta, H., Loukianov, A. G. & Canedo, J. M. (2019). Passivity Sliding Mode Control of Large-Scale Power Systems. [Ieee Transactions on Control Systems Technology](#), *27*(3), 1219-1227.
37. Quintero-Manriquez, E., Sanchez, E. N., Harley, R. G., Li, S. F. & Felix, R. A. (2019). Neural Inverse Optimal Control Implementation for Induction Motors Via Rapid Control Prototyping. [Ieee Transactions on Power Electronics](#), *34*(6), 5981-5992.

38. Bontemps, A., Conquet, L., Elie, C., Magneron, V., Gloaguen, C., Kereselidze, D., Tack, K., Barbier, O. C. & Gueguen, Y. (2019). In Vivo Comparison of the Phenotypic Aspects and Molecular Mechanisms of Two Nephrotoxic Agents, Sodium Fluoride and Uranyl Nitrate. [International Journal of Environmental Research and Public Health](#), *16*(7), 1136.
39. Mariscal-Moreno, R. M., Figueroa-Cardenas, J. D., Santiago-Ramos, D. & Rayas-Duarte, P. (2019). Amylose Lipid Complexes Formation as an Alternative to Reduce Amylopectin Retrogradation and Staling of Stored Tortillas. [International Journal of Food Science and Technology](#), *54*(5), 1651-1657.
40. Solis-Tobias, J. E., Diaz-Guillen, J. A., Perez-Hernandez, R., Carrillo-Rodriguez, J. C., Alonso-Lemus, I. L. & Rodriguez-Varela, F. J. (2019). High performance of the novel PdCeO₂-NR/C (cerium oxide nanorods) nanocatalyst for the oxidation of C1, C2 and C3 organic molecules for fuel cells applications. [International Journal of Hydrogen Energy](#), *44*(24), 12415-12420.
41. Salazar-Zertuche, M., Diaz-Guillen, J. A., Acosta-Garcia, J. O., Diaz-Guillen, J. C., Montemayor, S. M., Burciaga-Diaz, O., Bazaldua-Medellin, M. E. & Fuentes, A. F. (2019). Ionic conductivity of Ln₄Zr₃O₁₂ solid electrolytes synthesized by mechanochemistry. [International Journal of Hydrogen Energy](#), *44*(24), 12500-12507.
42. Cruz-Martinez, H., Tellez-Cruz, M. M., Guerrero-Gutierrez, O. X., Ramirez-Herrera, C. A., Salinas-Juarez, M. G., Velazquez-Osorio, A. & Solorza-Feria, O. (2019). Mexican contributions for the improvement of electrocatalytic properties for the oxygen reduction reaction in PEM fuel cells. [International Journal of Hydrogen Energy](#), *44*(24), 12477-12491.
43. Cruz-Martinez, H., Tellez-Cruz, M. M., Rojas-Chavez, H., Ramirez-Herrera, C. A., Calaminici, P. & Solorza-Feria, O. (2019). NiPdPt trimetallic nanoparticles as efficient electrocatalysts towards the oxygen reduction reaction. [International Journal of Hydrogen Energy](#), *44*(24), 12463-12469.
44. Valdes-Ibarra, M. R., Diaz-Guillen, J. A., Padmasree, K. P., Montemayor, S. M., Rodriguez-Varela, F. J. & Fuentes, A. F. (2019). Oxygen ion conducting pyrochlore oxides prepared by an ultrasound-assisted wet chemistry route: Ca-doped Gd₂Ti₂O₇ nanocrystals. [International Journal of Hydrogen Energy](#), *44*(24), 12515-12524.
45. Perez-Salcedo, K. Y., Alonso-Lemus, I. L., Quintana, P., Mena-Duran, C. J., Barbosa, R. & Escobar, B. (2019). Self-doped Sargassum spp. derived biocarbon as electrocatalysts for ORR in alkaline media. [International Journal of Hydrogen Energy](#), *44*(24), 12399-12408.
46. Alonso-Lemus, I. L., Escobar-Morales, B., Lardizabal-Gutierrez, D., De la Torre-Saenz, L., Quintana-Owen, P. & Rodriguez-Varela, F. J. (2019). Short communication: Onion skin waste-derived biocarbon as alternative non-noble metal electrocatalyst towards ORR in alkaline media. [International Journal of Hydrogen Energy](#), *44*(24), 12409-12414.
47. Joaquin-Morales, M. G., Fuentes, A. F., Montemayor, S. M., Melendez-Zaragoza, M. J., Salinas-Gutierrez, J. M., Lopez-Ortiz, A. & Collins-Martinez, V. (2019). Synthesis conditions effect on the of photocatalytic properties of MnWO₄ for hydrogen production by water splitting. [International Journal of Hydrogen Energy](#), *44*(24), 12390-12398.
48. Garcia-Alvarez, G., Escobedo-Bocardo, J. C., Cortes-Hernandez, D. A. & Almanza-Robles, J. M. (2019). Bioactivity and Mechanical Properties of Scaffolds Based on Calcium Aluminate and Bioactive Glass. [International Journal of Materials Research](#), *110*(4), 343-350.

49. Gomez-Esparza, C. D., Perez-Bustamante, R., Alvarado-Orozco, J. M., Munoz-Saldana, J., Martinez-Sanchez, R., Olivares-Ramirez, J. M. & Duarte-Moller, A. (2019). Microstructural Evaluation and Nanohardness of an Alcocucrfeniti High-Entropy Alloy. [International Journal of Minerals Metallurgy and Materials](#), 26(5), 634-641.
50. Vilchis-Nestor, C. A., Roldan, M. L., Leonardi, A., Navea, J. G., Padilla-Benavides, T. & Shoshani, L. (2019). Ouabain enhances cell-cell adhesion mediated by Beta1 subunits of the Na⁺, K⁺-Atpase in Cho fibroblasts. [International Journal of Molecular Sciences](#), 20, 2111.
51. Rios-Pimentel, F. F., Chang, R., Webster, T. J., Mendez-Gonzalez, M. M. & Garcia-Roche, M. (2019). Greater Osteoblast Densities Due to the Addition of Amphiphilic Peptide Nanoparticles to Nano Hydroxyapatite Coatings. [International Journal of Nanomedicine](#), 14, 3265-3272.
52. Quintero-Ortega, I. A., Romero-Argote, F. J., Tavares-Negrete, J. A., Elizalde-Pena, E. A., Carvajal Garcia, Z. Y., Perez-Perez, C. I., Sanchez, I. C., Luna-Barcenas, G. & Rosillo-De la Torre, A. (2019). Synthesis and characterization of simple and binary drug delivery systems for sustainable release of ciprofloxacin. [International Journal of Polymeric Materials and Polymeric Biomaterials](#), 68(13), 751-761.
53. Cervantes-Villagrana, R. D., Color-Aparic, V. M., Reyes-Cruz, G. & Vazquez-Prado, J. (2019). Protumoral Bone Marrow-Derived Cells Migrate Via G-Dependent Signaling Pathways and Exhibit a Complex Repertoire of Rhogefs. [Journal of Cell Communication and Signaling](#), 13(2), 179-191.
54. Leal-Orta, E., Ramirez-Ricard, J., Cortes-Reynos, P., Galindo-Hernandez, O. & Salaza, E. P. (2019). Role of Pi3k/Akt on Migration and Invasion of Mcf10a Cells Treated With Extracellular Vesicles From Mda-Mb-231 Cells Stimulated With Linoleic Acid. [Journal of Cell Communication and Signaling](#), 13(2), 235-244.
55. Ibarra-Rodriguez, M., Munoz-Flores, B. M., Lara-Ceron, J., Santillan, R., Ochoa, M. E. , Sanchez, M. & Perez, V. M. J. (2019). Synthesis, Characterization, X-Ray Structure, and Conformation Dft Calculation of a Carbonylhydrazone Derivative. [Journal of Chemical Crystallography](#) , 49(2), 92-97.
56. Arreguin-Campos, M., Gutierrez, Z. B. K., Quinones-Galvan, J. G., Santos-Cruz, J., Mayen-Hernandez, S. A., Zelaya-Angel, O., Olvera, M. D., Contreras-Puente, G. & De Moure-Flores, F. (2019). Fabrication of Cds/Cdte Heterostructures by Chemical Synthesis Using a P-Type Cdte Film Grown by Electrodeposition Employing Edta as Strong Complexing Agent . [Journal of Electronic Materials](#), 48(6), 3595-3602.
57. Fernandez-Diaz, E., Espinoza-Martinez, A. B., Flores-Pacheco, A., Ramirez-Bon, R., Castillo, S. J. & Ochoa-Landin, R. (2019). Synthesis and Characterization of Silver Selenide Thin Films by Chemical Bath Deposition and Ionic Exchange. [Journal of Electronic Materials](#), 48(6), 3405-3409.
58. Gutierrez-Rebolledo, G. A., Estrada-Zuniga, M. E. , Garduno-Siciliano, L., Garcia-Gutierrez, G. E., Resendiz-Mora, C. A., Calderon-Amador, J. & Cruz-Sosa, F. (2019). In vivo anti-arthritis effect and repeated dose toxicity of standardized methanolic extracts of Buddleja cordata Kunth (Scrophulariaceae) wild plant leaves and cell culture. [Journal of Ethnopharmacology](#), 240, 111875.
59. Labastida-Ramirez, A., Rubio-Beltran, E., Haanes, K. A. et al. (2019). Effects of Two Isomethoptene Enantiomers in Isolated Human Blood Vessels and Rat Middle Meningeal Artery - Potential Antimigraine Efficacy. [Journal of Headache and Pain](#), 20, 47.

60. Mishra, S. & Coello-Coello, C. A. (2019). Parallelism in divide-and-conquer non-dominated sorting: a theoretical study considering the PRAM-CREW model. [Journal of Heuristics](#), *25*(3), 455-483.
61. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement of Inclusive Very Forward Jet Cross Sections in Proton-Lead Collisions at $\sqrt{s_{NN}}=5.02$ TeV. [Journal of High Energy Physics](#), (5), 043.
62. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurements of the $P_p W_z$ Inclusive and Differential Production Cross Sections and Constraints on Charged Anomalous Triple Gauge Couplings at $\sqrt{s}=13$ TeV. [Journal of High Energy Physics](#), (4), 122.
63. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Contact Interactions and Large Extra Dimensions in the Dilepton Mass Spectra From Proton-Proton Collisions at $\sqrt{s}=13$ TeV. [Journal of High Energy Physics](#), (4), 114.
64. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for Nonresonant Higgs Boson Pair Production in the $B(B)\text{Over-}B\text{Bar}(B)\text{Over-}B\text{Bar}$ Final State at $\sqrt{s}=13$ TeV. [Journal of High Energy Physics](#), (4), 112.
65. Rivera, M. & Saneblidze, S. (2019). A Combinatorial Model for the Path Fibration. [Journal of Homotopy and Related Structures](#), *14*(2), 393-410.
66. Arenas-Hernandez, M., Romero, R., Xu, Y. et al. (2019). Effector and Activated T Cells Induce Preterm Labor and Birth That Is Prevented by Treatment With Progesterone. [Journal of Immunology](#), *202*(9), 2585-2608.
67. Jimenez-Uribe, A. P., Valencia-Martinez, H., Carballo-Uicab, G. et al. (2019). Cd80 Expression Correlates With Il-6 Production in Thp-1-Like Macrophages Costimulated With Lps and Dialyzable Leukocyte Extract (Transferon (R)). [Journal of Immunology Research](#), 2019, 2198508.
68. Gelmi, A., Fagot, A., Gul, M. et al. (2019). Longevity Studies on the Cms-Rpc System. [Journal of Instrumentation](#), *14*: C05012.
69. Ramirez-Ramirez, D., Padilla-Castaneda, S., Galan-Enriquez, C. S. et al. (2019). Crtam(+) Nk Cells Endowed With Suppressor Properties Arise in Leukemic Bone Marrow. [Journal of Leukocyte Biology](#), *105*(5), 999-1013.
70. Balderas, J. U., Navarro, D., Vargas, V., Tellez-Cruz, M. M., Carmona, S. & Falcony, C. (2019). Ultrasonic spray deposition as a new route to luminescent MOF film synthesis. [Journal of Luminescence](#), *212*, 322-327.
71. Hernandez, A. G., Kudriavtsev, Y., Karthik, T. V. K. & Asomoza, R. (2019). Optimization of Ge Substrates for ZnO Deposition and Their Application for CO₂ Detection. [Journal of Materials Science-Materials in Electronics](#), *30*(7), 6660-6668.
72. Chacon, E. & Garcia-Compean, H. (2019). Self-dual gravity via Hitchin's equations. [Journal of Mathematical Physics](#), *60*(5), 052502.
73. Silva-Garcia, E. M., Cerda-Garcia-Rojas, C. M., Del Rio, R. E. & Joseph-Nathan, P. (2019). Parvifoline Derivatives as Tubulin Polymerization Inhibitors. [Journal of Natural Products](#), *82*(4), 840-849.
74. Karinho-Betancourt, E., Hernandez-Soto, P., Rendon-Anaya, M., Calderon-Cortes, N. & Oyama, K. (2019). Differential Expression of Genes Associated With Phenolic Compounds in Galls of *Quercus Castanea* Induced by *Amphibolips Michoacaensis*. [Journal of Plant Interactions](#), *14*(1), 177-186.

75. Ruiz-Hernandez, A., Romero-Nava, R., Huang, F. Y., Hong, E. & Villafana, S. (2019). Altered Function and Expression of the Orphan Gpr135 at the Cardiovascular Level in Diabetic Wistar Rats. [Journal of Receptors and Signal Transduction](#), *38*(5-6), 484-491.
76. Bocardo-Gaspar, M., Garcia-Compean, H. & Zuniga-Galindo, W. A. (2019). Regularization of p-adic string amplitudes, and multivariate local zeta functions. [Letters in Mathematical Physics](#), *109*(5), 1167-1204.
77. Gutierrez-Castaneda, E. J., Hernandez-Miranda, M. G., Salinas-Rodriguez, A., Aguilar-Carrillo, J. & Reyes-Dominguez, I. (2019). An EBSD investigation on the columnar grain growth in non-oriented electrical steels assisted by strain induced boundary migration. [Materials Letters](#), *252*, 42-46.
78. Ravelo-Acuna, D., Fuentes-Garcia, J. A., Yee-Madeira, H. T., Diaz-Cano, A. I., Goya, G. F. & Santoyo-Salazar, J. (2019). Sonochemical magnetite encapsulation in silica at low irradiation power. [Materials Letters](#), *250*, 103-107.
79. Lugo, J. M., Rosendo, E., Romano-Trujillo, R. et al. (2019). Effects of the Applied Power on the Properties of Rf-Sputtered CdTe Films. [Materials Research Express](#), *6*(7), 076428.
80. Ortiz, L. (2019). Ads/Cft and Its Proof. [Modern Physics Letters A](#), *34*(12), 1975001.
81. Sanchez-Colon, G. & Gupta, V. (2019). Sum rules for multi-quarks decays in broken $Su(3)$ symmetry. [Modern Physics Letters A](#), *34*, 1930003.
82. Perez-Anorve, I. X., Gonzalez-De la Rosa, C. H., Soto-Reyes, E. et al. (2019). New insights into radioresistance in breast cancer identify a dual function of miR-122 as a tumor suppressor and oncomiR. [Molecular Oncology](#), *13*(5), 1249-1267.
83. De la Lande, A., Alvarez-Ibarra, A., Hasnaoui, K. et al. (2019). Molecular Simulations with in-deMon2k QM/MM, a Tutorial-Review. [Molecules](#), *24*(9), 1653.
84. Roldan-Padron, O., Castro-Guillen, J. L., Garcia-Arredondo, J. A., Cruz-Perez, M. S., Diaz-Pena, L. F., Saldana, C., Blanco-Labra, A. & Garcia-Gasca, T. (2019). Snake venom hemotoxic enzymes: Biochemical comparison between *Crotalus* species from central Mexico. [Molecules](#), *24*(8), 1489.
85. Ahnen, M. L., Ansoldi, S., Antonelli, L. A. et al. (2019). Magic and Fermi-Lat Gamma-Ray Results on Unassociated Hawc Sources. [Monthly Notices of the Royal Astronomical Society](#), *485*(1), 356-366.
86. Laredo, D., Chen, Z., Schutze, O. & Sun, J. Q. (2019). A neural network-evolutionary computational framework for remaining useful life estimation of mechanical systems. [Neural Networks](#), *116*, 178-187.
87. Tellez-Merlo, G., Morales-Medina, J. C., Camacho-Abrego, I., Juarez-Diaz, I., Aguilar-Alonso, P., De La Cruz, F., Lannitti, T. & Flores, G. (2019). Prenatal Immune Challenge Induces Behavioral Deficits, Neuronal Remodeling, and Increases Brain Nitric Oxide and Zinc Levels in the Male Rat Offspring. [Neuroscience](#), *406*, 594-605.
88. Chow, F. W. N., Koutsovoulos, G., Ovando-Vazquez, C. et al. (2019). Secretion of an Argonaute protein by a parasitic nematode and the evolution of its siRNA guides. [Nucleic Acids Research](#), *47*(7), 3594-3606.

89. Diaz-Martin, R. D., Mercier, C., Gomez-De Leon, C. T. et al. (2019). The dense granule protein 8 (GRA8) is a component of the sub-pellicular cytoskeleton in *Toxoplasma gondii*. [Parasitology Research](#), *118*(6), 1899-1918.
90. Gonzalez-Segovia, E., Perez-Limon, S., Cintora-Martinez, G. C., Guerrero-Zavala, A., Janzen, G. M., Hufford, M. B., Ross-Ibarra, J. & Sawers, R. J. H. (2019). Characterization of Introgression From the Teosinte *Zea Mays* Ssp. Mexicana to Mexican Highland Maize. [PeerJ](#), *7*, 6815.
91. Contreras-Astorga, A. & Jakubsky, V. (2019). Photonic Systems With Two-Dimensional Landscapes of Complex Refractive Index Via Time-Dependent Supersymmetry. [Physical Review A](#), *99*(5), 053812.
92. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and Pp Collisions at Root S=5.02 TeV. [Physical Review Letters](#), *122*(15), 152001.
93. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for W Boson Decays to Three Charged Pions. [Physical Review Letters](#), *122*(15), 151802.
94. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at 5.02 TeV. [Physics Letters B](#), *793*, 420-432.
95. Acharya, S., Acosta, F. T., Adamova, D. et al. (2019). Lambda c + production in Pb-Pb collisions at root s NN =5.02 TeV. [Physics Letters B](#), *793*, 212-223.
96. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Measurement and Interpretation of Differential Cross Sections for Higgs Boson Production at Root S=13 TeV. [Physics Letters B](#), *792*, 369-396.
97. Manko, V. S. & Ruiz, E. (2019). Metric for two arbitrary Kerr sources. [Physics Letters B](#), *794*, 36-40.
98. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at root s=8 and 13 TeV. [Physics Letters B](#), *793*, 320-347.
99. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for a W ' Boson Decaying to a Tau Lepton and a Neutrino in Proton-Proton Collisions at Root S=13 TeV. [Physics Letters B](#), *792*, 107-131.
100. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2019). Search for an L-Mu - L-Tau Gauge Boson Using Z -> 4 Mu Events in Proton-Proton Collisions at Root S=13 TeV. [Physics Letters B](#), *792*, 345-368.
101. Sanchez-Ahumada, D., Verastica-Ward, L. J., Galvez-Lopez, M. F., Castro-Beltran, A., Ramirez-Bon, R. & Alvarado-Beltran, C. G. (2019). Low-Temperature Synthesis and Physical Characteristics of Ps-Tio2 Hybrid Films for Transparent Dielectric Gate Applications. [Polymer](#), *172*, 170-177.
102. Martinez-Garcia, E. A., Rivero-Juarez, J., Torres-Mendez, L. A. & Rodas-Osollo, J. E. (2019). Divergent trinocular vision observers design for extended Kalman filter robot state estimation. [Proceedings of the Institution of Mechanical Engineers. Part I-Journal of Systems and Control Engineering](#), *233*(5), 524-547.
103. Vega-Cendejas, M. E. & De Santillana, M. H. (2019). Demersal fish assemblages and their diversity on the Yucatan continental shelf: Gulf of Mexico. [Regional Studies in Marine Science](#), *29*, 100640.

104. Martinez-Pena, A. A., Pena-Castillo, A., Parra-Forero, L. Y., Hernandez-Ochoa, I., Hernandez-Barrientos, L. R., Morimoto, S. & Mendoza-Rodriguez, C. A. (2019). Parental perinatal exposure to bisphenol A reduces the threshold to disrupt blastocyst implantation via decreasing talin, occudin and E-cadherin levels. [Reproductive Toxicology](#), *86*, 86-97.
105. Barcos-Arias, M. S., Maldonado-Vega, M., Vera-Nunez, J. A. & Pena-Cabrales, J. J. (2019). Characterization of Rhizospheric Bacteria of the Surrounding Soil of a Lead [Pb] Recycling Plant. [Revista Internacional De Contaminacion Ambiental](#), *35*(2), 349-359.
106. Farias, P., Rodriguez-Dozal, S., Baltazar-Reyes, M. C., Gold-Bouchot, G., Zapata-Perez, O., Loreto-Gomez, C. & Riojas-Rodriguez, H. (2019). Persistent Organic Pollutants in Serum and Breast Milk of Fertile-Aged Women. [Revista Internacional De Contaminacion Ambiental](#), *35*(2), 281-293.
107. Hernandez-Castillo, M. I., Hernandez-Navarrete, A., Jimenez-Montejo, F. E., Cruz-Lopez, M. D., Hidalgo-Lara, M. E. & Lopez Y Lopez, V. E. (2019). Use of Low Quality Barley Starch for the Production of Amylolytic Enzymes by *Aureobasidium Pullulans*. [Revista Internacional De Contaminacion Ambiental](#), *35*(2), 435-446.
108. Ortiz, M., Herrera-Dorantes, M. T. & Ardisson, P. L. (2019). A New Deep-Sea Species of the Genus *Gracilimesus* (Isopoda: Asellota: Ischnomesidae) From the Bay of Campeche, Southwestern Gulf of Mexico. [Revista Mexicana De Biodiversidad](#), *90*, e902618.
109. Vallejo, W., Rueda, A., Diaz-Urbe, C., Grande, C. & Quintana, P. (2019). Photocatalytic Activity of Graphene Oxide-TiO₂ Thin Films Sensitized by Natural Dyes Extracted From *Bactris Guineensis*. [Royal Society Open Science](#), *6*(3), 181824.
110. Littara, A., Melone, R., Morales-Medina, J. C., Iannitti, T. & Palmieri, B. (2019). Cosmetic Penile Enhancement Surgery: a 3-Year Single-Centre Retrospective Clinical Evaluation of 355 Cases. [Scientific Reports](#), *9*, 6323.
111. Asiain, E., Clempner, J. B. & Poznyak, A. S. (2019). Controller exploitation-exploration reinforcement learning architecture for computing near-optimal policies. [Soft Computing](#), *23*(11), 3591-3604.
112. Kudriavtsev, Y., Hernandez, A. G. & Asomoza, R. (2019). Solar cell degradation caused by glass superstrate corrosion. [Solar Energy](#), *187*, 82-84.
113. Montejo-Alvaro, F., Rojas-Chavez, H., Roman-Doval, R., Mtz-Enriquez, A. I., Cruz-Martinez, H. & Medina, D. I. (2019). Stability of Pd clusters supported on pristine, B-doped, and defective graphene quantum dots, and their reactivity toward oxygen adsorption: A DFT analysis. [Solid State Sciences](#), *93*, 55-61.
114. 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 Beta-(Ni,Pt)Al system. [Surface & Coatings Technology](#), *367*, 156-164.
115. Alonso-Lemus, I. L., Figueroa-Torres, M. Z., Lardizabal-Gutierrez, D., Bartolo-Perez, P., Carrillo-Rodriguez, J. C. & Rodriguez-Varela, F. J. (2019). Converting Chicken Manure Into Highly Active N-P Co-Doped Metal-Free Biocarbon Electrocatalysts: Effect of Chemical Treatment on Their Catalytic Activity for the Orr. [Sustainable Energy & Fuels](#), *3*(5), 1307-1316.
116. Del Ser, J., Osaba, E., Molina, D. et al. (2019). Bio-inspired computation: Where we stand and what's next. [Swarm and Evolutionary Computation](#), *48*, 220-250.

117. Liu, S., Lin, Q., Wong, K.-C., Ma, L., Coello-Coello, C. A. & Gong, D. (2019). A novel multi-objective evolutionary algorithm with dynamic decomposition strategy. [Swarm and Evolutionary Computation](#), *48*, 182-200.
118. Armenta-Resendiz, M., Rios-Leal, E., Rivera-Garcia, M. T., Lopez-Rubalcava, C. & Cruz, S. L. (2019). Structure-activity study of acute neurobehavioral effects of cyclohexane, benzene, m-xylene, and toluene in rats. [Toxicology and Applied Pharmacology](#), *376*, 38-45.
119. Garcia-Gurrola, A., Rincon, S., Escobar-Puentes, A. A., Zepeda, A., Perez-Robles, J. F. & Martinez-Bustos, F. (2019). Synthesis and succinylation of starch nanoparticles by means of a single step using sonochemical energy. [Ultrasonics Sonochemistry](#), *56*, 458-465.
120. Perez, I., Sosa, V., Gamboa-Perera, F., Elizalde-Galindo, J. T., Enriquez-Carrejo, J. L. & Mani-Gonzalez, P. G. (2019). Effect of ion bombardment on the chemical properties of crystalline tantalum pentoxide films. [Vacuum](#), *165*, 274-282.
121. Cruz-Hurtado, M., Lopez-Gonzalez, M. L., Mondragon, V. & Sierra-Santoyo, A. (2019). In vitro phase I metabolism of vinclozolin by human liver microsomes. [Xenobiotica](#), *49*(8), 895-904.

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

122. Toledo, E. Z. & Fraga, J. (2019). The Right to Prior Consent in the Mexican Energy Transition. [Cahiers Des Ameriques Latines](#), *90*, 123-140.
123. Kamaraj, S. K., Rivera, A. E., Murugesan, S., Garcia-Mena, J., Maya, O., Frausto-Reyes, C., Tapia-Ramirez, J., Espino, H. S. & Caballero-Briones, F. (2019). Electricity Generation From Nopal Biogas Effluent Using a Surface Modified Clay Cup (Cantarito) Microbial Fuel Cell. [Heliyon](#), *5*(4), e01506.
124. Huerta-Ibarra, I. (2019). Biomedical informatics courses at Mexican Medical Schools. [Innovacion Educativa](#), *19*(79), 15-33.
125. Diaz-Bautista, E., Negro, J. & Nieto, L. M. (2019). Partial coherent states in graphene. [Journal of Physics Conference Series](#), *1194*, 012025.
126. Garcia-Hernandez, S. C., Porchia, L. M., Lopez-Bayghen, E. & Gonzalez-Mejia, M. E. (2019). The A1298c Methylenetetrahydrofolate Reductase Polymorphism Augments the Risk of Developing of Diabetic Retinopathy: a Meta-Analysis. [Meta Gene](#), *20*, 100560.
127. Neri, K. A., Andraca, J. A., Pena, R. & Baca, R. (2019). Defects Behavior in Disordered Iron Oxide Synthesized From Grain-Oriented Iron Foils. [Mrs Advances](#), *4*(1), 51-59.
128. Juarez-Amador, L. I., Galvan-Arellano, M., Hernandez-Rodriguez, Y. M., Andraca-Adame, J. A., Romero-Paredes, G. & Pena-Sierra, R. (2019). Effects on the Amorphous Ga₂O₃ Film Surfaces by Sub-Ib-Metal-Nano-Layers. [Mrs Advances](#), *4*(5-6), 285-292.
129. Aguilar-Arteaga, V. A. & Estala-Arias, S. (2019). Pseudodifferential Operators and Markov Processes on Adeles. [P-Adic Numbers Ultrametric Analysis and Applications](#), *11*(2), 89-113.

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

130. Andrade, V. D. M., Flores, J. L. H., Lopez, M. A. R. et al. (2019). Evaluation of the Presence of Paenibacillus Larvae in Commercial Bee Pollen Using Pcr Amplification of the Gene for Trna(Cys) (Vol 50, Pg 471, 2019). [Brazilian Journal of Microbiology](#), 50(2), 581.
131. Mariscal-Becerra, L., Vazquez-Arreguin, R., Balderas, U., Carmona-Tellez, S., Sanchez, H. M. & Falcony, C. (2019). Luminescent Characteristics of Layered Yttrium Oxide Nano-Phosphors Doped With Europium (Vol 121, 125111, 2017). [Journal of Applied Physics](#), 125(15), 159901.
132. Ortega, J. S. C. (2019). First Person - Judith S. Cruz Ortega. [Biology Open](#), 8(4), bio043778.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

133. Gillmor, S. (2019). Mirna Regulation of Early Embryogenesis in Arabidopsis Thaliana. [In Vitro Cellular & Developmental Biology-Animal](#), 55, S21.
134. Becerril, M. A., Gimeno-Lluch, I., Villarroya, O., Benito-Jardon, M., Kouri, J. B. & Costell, M. (2019). The Lack of Fibronectin-Alpha 5 Beta 1 Integrin Interaction, Aggravates the Severity of Osteoarthritis-Induced in Mice. [Osteoarthritis and Cartilage](#), 27, S155-S156.
135. Parra-Torres, N. M., Kouri, J. & Almonte-Becerril, M. (2019). A Novel Osteoarthritic Model in Mice. [Osteoarthritis and Cartilage](#), 27, S166-S167.

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

136. Maldonado-Sanchez, J., Marino-Tapia, I., Herrera-Dorantes, M. T. & Ardisson, P. L. (2019). Hydrodynamic conditions that favor the settlement of Diadema antillarum to a western Caribbean coral reef. [Bulletin of Marine Science](#), 95(2), 251-264.
137. Kampert, K. H., Mostafa, M. A., Zas, E. et al. (2019). Multi-Messenger Physics With the Pierre Auger Observatory. [Frontiers in Astronomy and Space Sciences](#), 6, 24.
138. Garcia-Gil, A., Lopez-Bailon, L. U. & Ortiz-Navarrete, V. (2019). Beyond the Antibody: B Cells as a Target for Bacterial Infection. [Journal of Leukocyte Biology](#), 105(5), 905-913.
139. Giron-Perez, D. A., Piedra-Quintero, Z. L. & Santos-Argumedo, L. (2019). Class I Myosins: Highly Versatile Proteins With Specific Functions in the Immune System. [Journal of Leukocyte Biology](#), 105(5), 973-981.
140. Castro-Ochoa, K. F., Guerrero-Fonseca, I. M. & Schnoor, M. (2019). Hematopoietic Cell-Specific Lyn Substrate (Hcls1 or Hs1): a Versatile Actin-Binding Protein in Leukocytes. [Journal of Leukocyte Biology](#), 105(5), 881-890.
141. Romero-Ramirez, S., Navarro-Hernandez, I. C., Cervantes-Diaz, R. et al. (2019). Innate-Like B Cell Subsets During Immune Responses: Beyond Antibody Production. [Journal of Leukocyte Biology](#), 105(5), 843-856.
142. Reyes-Olalde, J. I. & De Folter, S. (2019). Control of Stem Cell Activity in the Carpel Margin Meristem (Cmm) in Arabidopsis. [Plant Reproduction](#), 32(2), 123-136.

143. Mendoza-Martinez, M. L., Vallejo, J. A. & Zuniga-Galindo, W. A. (2019). Acausal Quantum Theory for Non-Archimedean Scalar Fields. [Reviews in Mathematical Physics](#), *31*(4), 1950011.

Última actualización: junio 06, 2019. 12:29 p.m.

