

ARTÍCULOS DEL MES DE ENERO DE 2018

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

1. Rosas-Ortiz, O. & Zelaya, K. (2018). Bi-orthogonal approach to non-Hermitian Hamiltonians with the oscillator spectrum: Generalized coherent states for nonlinear algebras. [Annals of Physics](#), 388, 26-53.
2. Fernandez, D. J. & Morales-Salgado, V. S. (2018). Higher order supersymmetric truncated oscillators. [Annals of Physics](#), 388, 122-134.
3. Huazano-Garcia, A. & Lopez, M. G. (2018). Enzymatic Hydrolysis of Agavins to Generate Branched Fructooligosaccharides (a-Fos). [Applied Biochemistry and Biotechnology](#), 184(1), 25-34.
4. Duran-Ledezma, A. A., Jacinto-Mendez, D. & Rojas-Ochoa, L. F. (2018). Time-Resolved Study of Optical Properties and Microscopic Dynamics During the Drying of Tio₂ Films by Spectral Diffusing Wave Spectroscopy. [Applied Optics](#), 57(2), 208-216.
5. Perez-Gonzalez, A., Begovich-Mendoza, O. & Ruiz-Leon, J. (2018). Modeling of a Greenhouse Prototype Using Pso and Differential Evolution Algorithms Based on a Real-Time Labview (Tm) Application. [Applied Soft Computing](#), 62, 86-100.
6. Oliva, J., Martinez, A. I., Oliva, A. I., Garcia, C. R., Martinez-Luevanos, A., Garcia-Lobato, M., Ochoa-Valiente, R. & Berlanga, A. (2018). Flexible graphene composites for removal of methylene blue dye-contaminant from water. [Applied Surface Science](#), 436, 739-746.
7. Gervacio-Arciniega, J. J., Murillo-Bracamontes, E., Contreras, O. et al. (2018). Multiferroic Ycro₃ Thin Films: Structural, Ferroelectric and Magnetic Properties. [Applied Surface Science](#), 427, 635-639.
8. Hernandez, A. G., Escobosa-Echavarria, A. E. & Kudriavtsev, Y. (2018). White Luminescence Emission From Silicon Implanted Germanium. [Applied Surface Science](#), 428, 1098-1105.
9. Zacarias-Soto, M., Tec-Tec, P. & Olvera-Novoa, M. A. (2018). Effect of Diet on Growth and Body Biochemical Composition of Juvenile Four-Sided Sea Cucumber *Isostichopus Badionotus* (Selenka, 1867). [Aquaculture Research](#), 49(2), 939-946.
10. Loukianov, A. G., Rivera-Dominguez, J. & Castillo-Toledo, B. (2018). Robust sliding mode regulation of nonlinear systems. [Automatica](#), 89, 241-246.
11. Velez-Aguilera, G., Gomez-Lopez, J. D., Jimenez-Gutierrez, G. E., Vasquez-Limeta, A., Laredo-Cisneros, M. S., Gomez, P., Winder, S. J. & Cisneros, B. (2018). Control of nuclear Beta-dystroglycan content is crucial for the maintenance of nuclear envelope integrity and function. [Biochimica Et Biophysica Acta-Molecular Cell Research](#), 1865(2), 406-420.
12. Carballo-Villalobos, A. I., Gonzalez-Trujano, M. E., Pellicer, F., Alvarado-Vasquez, N. & Lopez-Munoz, F. J. (2018). Central and peripheral anti-hyperalgesic effects of diosmin in a neuropathic pain model in rats. [Biomedicine & Pharmacotherapy](#), 97, 310-320.

13. Tochimani, A. & Villarreal, R. H. (2018). Complete Intersection Vanishing Ideals on Sets of Clutter Type Over Finite Fields. [Bulletin of the Malaysian Mathematical Sciences Society](#), 41(1), 81-89.
14. Vazquez-Martinez, J., Nieto-Alvarez, E., Ramirez-Chavez, E. & Molina-Torres, J. (2018). Enzymatic Method for N-Acyl Homoserine Lactones Synthesis Using Immobilized Candida Antarctica Lipase. [Catalysis Letters](#), 148(1), 62-67.
15. Barroso, J., Cabellos, J. L., Pan, S., Murillo, F., Zarate, X., Fernandez-Herrera, M. A. & Merino, G. (2018). Revisiting the Racemization Mechanism of Helicenes. [Chemical Communications](#), 54(2), 188-191.
16. Flores-Perez, A. & Elizondo, G. (2018). Apoptosis Induction and Inhibition of Hela Cell Proliferation by Alpha-Naphthoflavone and Resveratrol Are Aryl Hydrocarbon Receptor-Independent. [Chemico-Biological Interactions](#), 281, 98-105.
17. Delesma, F. A., Van Den Bossche, M., Gronbeck, H., Calaminici, P., Koster, A. M. & Pettersson, L. G. M. (2018). A Chemical View on X-Ray Photoelectron Spectroscopy: the Esca Molecule and Surface-to-Bulk Xps Shifts. [Chemphyschem](#), 19(2), 169-174.
18. Esquivel, B., Burgueno-Tapia, E., Bustos-Brito, C., Perez-Hernandez, N., Quijano, L. & Joseph-Nathan, P. (2018). Absolute Configuration of the Diterpenoids Ictexone and Conacytone From Salvia Ballotaeflora. [Chirality](#), 30(2), 177-188.
19. Canate, P. (2018). A No-Hair Theorem for Black Holes in F(R) Gravity. [Classical and Quantum Gravity](#), 35(2), 025018.
20. Ojeda-Mendoza, G. J., Contreras-Tello, H. & Rojas-Ochoa, L. F. (2018). Refractive Index Matching of Large Polydisperse Silica Spheres in Aqueous Suspensions. [Colloids and Surfaces a-Physicochemical and Engineering Aspects](#), 538, 320-326.
21. Carreon, Y. J. P., Gonzalez-Gutierrez, J., Perez-Camacho, M. I. & Mercado-Uribe, H. (2018). Patterns produced by dried droplets of protein binary mixtures suspended in water. [Colloids and Surfaces B-Biointerfaces](#), 161, 103-110.
22. Fabila-Monroy, R., Garcia, A., Hurtado, F., Jaume, R., Perez-Lantero, P., Saumell, M., Silveira, R. I., Tejel, J. & Urrutia, J. (2018). Colored ray configurations. [Computational Geometry](#), 68, 292-308.
23. Aichholzer, O., Fabila-Monroy, R., Flores-Penaloza, D., Hackl, T., Urrutia, J. & Vogtenhuber, B. (2018). Modern Illumination of Monotone Polygons. [Computational Geometry-Theory and Applications](#), 68, 101-118.
24. Rodriguez-Cristerna, A., Gomez-Flores, W. & Pereira, W. C. D. (2018). A Computer-Aided Diagnosis System for Breast Ultrasound Based on Weighted Bi-Rads Classes. [Computer Methods and Programs in Biomedicine](#), 153, 33-40.
25. Diaz-Torres, E., Flores-Conde, A., Avila-Garcia, A. & Ortega-Lopez, M. (2018). Electronic Transport Study of Pbse Pellets Prepared From Self-Assembled 2d-Pbse Nanostructures. [Current Applied Physics](#), 18(2), 226-230.
26. Magana-Ortiz, D., Fernandez, F., Loske, A. M. & Gomez-Lim, M. A. (2018). Extracellular Expression in Aspergillus Niger of an Antibody Fused to Leishmania Sp Antigens. [Current Microbiology](#), 75(1), 40-48.

27. Espana-Sanchez, B. L., Avila-Orta, C. A., Padilla-Vaca, L. F., Barriga-Castro, E. D., Soriano-Corral, F., Gonzalez-Morones, P., Ramirez-Wong, D. G. & Luna-Barcenas, G. (2018). Early Stages of Antibacterial Damage of Metallic Nanoparticles by Tem and Stem-Haadf. [Current Nanoscience](#), 14(1), 54-61.

28. De La Cruz, J., Gorla, E., Lopez, H. H. & Ravagnani, A. (2018). Weight Distribution of Rank-Metric Codes. [Designs Codes and Cryptography](#), 86(1), 1-16.

29. Caballero-Perez, J., Espinal-Centeno, A., Falcon, F. et al. (2018). Transcriptional landscapes of Axolotl (*Ambystoma mexicanum*). [Developmental Biology](#), 433(2), 227-239.

30. Leal-Alvarado, D. A., Estrella-Maldonado, H., Saenz-Carbonell, L., Ramirez-Prado, J. H., Zapata-Perez, O. & Santamaria, J. M. (2018). Genes Coding for Transporters Showed a Rapid and Sharp Increase in Their Expression in Response to Lead, in the Aquatic Fern (*Salvinia Minima* Baker). [Ecotoxicology and Environmental Safety](#), 147, 1056-1064.

31. Vargas, U., Ramirez, A. & Lazaroiu, G. C. (2018). Flexible Extended Harmonic Domain Approach for Transient State Analysis of Switched Systems. [Electric Power Systems Research](#), 155, 40-47.

32. Beltran-Carbajal, F., Silva-Navarro, G. & Trujillo-Franco, L. G. (2018). On-Line Parametric Estimation of Damped Multiple Frequency Oscillations. [Electric Power Systems Research](#), 154, 423-432.

33. Lopez-Juarez, I., Rios-Cabrera, R., Hsieh, S. & Howarth, M. (2018). A Hybrid Non-Invasive Method for Internal/External Quality Assessment of Potatoes. [European Food Research and Technology](#), 244(1), 161-174.

34. Pineda-Pena, E. A., Martinez-Perez, Y., Galicia-Moreno, M., Navarrete, A., Segovia, J., Muriel, P., Favari, L., Castaneda-Hernandez, G. & Chavez-Pina, A. E. (2018). Participation of the Anti-Inflammatory and Antioxidative Activity of Docosahexaenoic Acid on Indomethacin-Induced Gastric Injury Model. [European Journal of Pharmacology](#), 818, 585-592.

35. De La Cruz, S. H., Medina-Terol, G. J., Beltran-Ornelas, J. H., Gomez, C. B., Morato-Valderrama, Y., Sanchez-Lopez, A. & Centurion, D. (2018). Pharmacological Evidence That Metformin Blocks the Vasopressor Responses Mediated by Stimulation of Alpha(1)- and Alpha(2)-Adrenoceptors in Pithed Rats. [European Journal of Pharmacology](#), 820, 130-137.

36. Mata-Machuca, J. L. & Aguilar-Lopez, R. (2018). Adaptative Synchronization in Multi-Output Fractional-Order Complex Dynamical Networks and Secure Communications. [European Physical Journal Plus](#), 133(1), 14.

37. Duarte, J. A., Hernandez-Flores, A., Salas, S. & Seijo, J. C. (2018). Is it sustainable fishing for Octopus maya Voss and Solis, 1966, during the breeding season using a bait-based fishing technique? [Fisheries Research](#), 199, 119-126.

38. Santiago-Ramos, D., Figueroa-Cardenas, J. D., Veles-Medina, J. J. & Salazar, R. (2018). Physicochemical Properties of Nixtamalized Black Bean (*Phaseolus Vulgaris* L.) Flours. [Food Chemistry](#), 240, 456-462.

39. Santiago-Ramos, D., Figueroa-Cardenas, J. D. & Veles-Medina, J. J. (2018). Viscoelastic Behaviour of Masa From Corn Flours Obtained by Nixtamalization With Different Calcium Sources. [Food Chemistry](#), 248, 21-28.

40. Salazar-Montoya, J. A., Gonzalez-Cuello, R., Flores-Giron, E. & Ramos-Ramirez, E. G. (2018). Effect of free and microencapsulated *Lactococcus lactis* on composition and rheological properties of Manchego-type cheeses during ripening. [Food Research International](#), 105, 59-64.
41. Acosta-Smith, E., Viveros-Jimenez, K., Canizalez-Roman, A. et al. (2018). Bovine Lactoferrin and Lactoferrin-Derived Peptides Inhibit the Growth of *Vibrio Cholerae* and Other *Vibrio* Species. [Frontiers in Microbiology](#), 8, 2633.
42. Espinosa-Cantu, A., Ascencio, D., Herrera-Basurto, S., Xu, J. W., Roguev, A., Krogan, N. J. & Deluna, A. (2018). Protein Moonlighting Revealed by Noncatalytic Phenotypes of Yeast Enzymes. [Genetics](#), 208(1), 419-431.
43. Dominguez-Ordóñez, R., García-Juárez, M., Lima-Hernández, F. J., Gomora-Arrati, P., Dominguez-Salazar, E., Blaustein, J. D., Etgen, A. M. & Gonzalez-Flores, O. (2018). Lordosis facilitated by GPER-1 receptor activation involves GnRH-1, progesterin and estrogen receptors in estrogen-primed rats. [Hormones and Behavior](#), 98, 77-87.
44. Hernandez-Leon, A., De la Luz-Cuellar, Y. E., Granados-Soto, V., Gonzalez-Trujano, M. E. & Fernandez-Guasti, A. (2018). Sex differences and estradiol involvement in hyperalgesia and allodynia in an experimental model of fibromyalgia. [Hormones and Behavior](#), 97, 39-46.
45. Golpira, H. & Messina, A. R. (2018). A Center-of-Gravity-Based Approach to Estimate Slow Power and Frequency Variations. [IEEE Transactions on Power Systems](#), 33(1), 1026-1035.
46. Lin, Q., Ma, Y., Chen, J., Zhu, Q., Coello-Coello, C. A., Wong, K. C. & Chen, F. (2018). An adaptive immune-inspired multi-objective algorithm with multiple differential evolution strategies. [Information Sciences](#), 430-431, 46-64.
47. Esparza-Ruiz, A., Pena-Hueso, A., Quijano-Quinones, R. & Flores-Parra, A. (2018). Penta and Hexacoordinated Aluminum(III) Compounds Containing Benzotriazole and Benzimidazole Derivatives as Ligands. [Inorganica Chimica Acta](#), 471, 1-7.
48. Nunez-Briones, A., Garcia-Cerda, L., Rodriguez-Hernandez, J., Aguilar-Gonzalez, M., Puente-Urbina, B. & Mendoza-Mendoza, E. (2018). Synthesis, Structural Characterization, and Photocatalytic Activity of Bi-Based Nanoparticles. [International Journal of Applied Ceramic Technology](#), 15(1), 101-110.
49. Vazquez-Martinez, G. A., Gonzalez-Compean, J. L., Sosa-Sosa, V. J., Morales-Sandoval, M. & Carretero-Perez, J. (2018). CloudChain: A novel distribution model for digital products based on supply chain principles. [International Journal of Information Management](#), 39, 90-103.
50. Safeera, T. A., Khanal, R., Medvedeva, J. E., Martinez, A. I., Vinitha, G. & Anila, E. I. (2018). Low temperature synthesis and characterization of zinc gallate quantum dots for optoelectronic applications. [Journal of Alloys and Compounds](#), 740, 567-573.
51. Ramos, J. R., Morales, C., Garcia, G., Diaz, T., Rosendo, E., Santoyo, J., Oliva, A. I. & Galeazzi, R. (2018). Optical and Structural Analysis of ZnS Core-Shell Type Nanowires. [Journal of Alloys and Compounds](#), 736, 93-98.
52. Huerta, E. F., Carmona-Tellez, S., Cabanas-Moreno, J. G. & Falcony, C. (2018). Visible and Near Infrared Upconversion Photoluminescence From Y₂O₃:Er³⁺, Yb³⁺, Li⁺ Phosphors Under 1532 Nm Excitation Light. [Journal of Alloys and Compounds](#), 732, 422-428.

53. Zavala-Lopez, M., Lopez-Tavera, E., Figueroa-Cardenas, J. D., Serna-Saldivar, S. O. & Garcia-Lara, S. (2018). Screening of major phenolics and antioxidant activities in teosinte populations and modern maize types. [Journal of Cereal Science](#), 79, 276-285.

54. Clempner, J. B. & Poznyak, A. S. (2018). A Tikhonov Regularized Penalty Function Approach for Solving Polylinear Programming Problems. [Journal of Computational and Applied Mathematics](#), 328, 267-286.

55. Sira-Ramirez, H., Zurita-Bustamante, E. W. & Luviano-Juarez, A. (2018). Robust Flat Filtering Control of a Nonlinear Manipulator-Direct Current Motor System. [Journal of Dynamic Systems Measurement and Control-Transactions of the Asme](#), 140(2), 021009.

56. Angeles-Lopez, Y. I., Rivera-Bustamante, R. & Heil, M. (2018). Fatal Attraction of Non-Vector Impairs Fitness of Manipulating Plant Virus. [Journal of Ecology](#), 106(1), 391-400.

57. Razo-Belman, R., Molina-Torres, J., Martinez, O. & Heil, M. (2018). Plant-Ants Use Resistance-Related Plant Odours to Assess Host Quality Before Colony Founding. [Journal of Ecology](#), 106(1), 379-390.

58. Ruiz-Gomez, M. A., Figueroa-Torres, M. Z., Alonso-Lemus, I. L., Vega-Becerra, O. E., Gonzalez-Lopez, J. R. & Zaldivar-Cadena, A. A. (2018). Electroless controllable growth of ZnO films and their morphology-dependent antimicrobial properties. [Journal of Hazardous Materials](#), 347, 39-47.

59. Gomez-Acata, S., Vital-Jacome, M., Perez-Sandoval, M. V., Navarro-Noya, Y. E., Thalasso, F., Luna-Guido, M., Conde-Barajas, E. & Dendooven, L. (2018). Microbial Community Structure in Aerobic and Fluffy Granules Formed in a Sequencing Batch Reactor Supplied With 4-Chlorophenol at Different Settling Times. [Journal of Hazardous Materials](#), 342, 606-616.

60. Soler-Jimenez, L. C., Garcia-Gasca, A. & Fajer-Avila, E. J. (2018). Quantitative Real-Time Pcr (Qpcr) for the Detection and Quantification of Dactylogyrid Parasites Infecting *Lutjanus Guttatus*. [Journal of Helminthology](#), 92(1), 74-80.

61. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Resonant and Nonresonant Higgs Boson Pair Production in the $B(B)\text{Over-}B\text{ar} L Nu L Nu$ Final State in Proton-Proton Collisions at Root $S=13$ Tev. [Journal of High Energy Physics](#), (1), 054.

62. Becerril-Silva, M., Melendez-Lira, M., Farias-Mancilla, J. R. & Zelaya-Angel, O. (2018). Airy Pattern on Narrow Photoluminescence Spectrum of Band to Band Recombination in Cdte:Te Thin Films. [Journal of Luminescence](#), 194, 565-568.

63. Duran, A., Verdun, E., Conde, A. & Escamilla, R. (2018). Effect of Al-doped $YCrO_3$ on structural, electronic and magnetic properties. [Journal of Magnetism and Magnetic Materials](#), 453, 36-43.

64. Mejia-Santillan, M. E., Pariona, N., Bravo, J., Herrera-Trejo, M., Montejo-Alvaro, F., Zarate, A., Perry, D. L. & Mtz-Enriquez, A. I. (2018). Physical and arsenic adsorption properties of maghemite and magnetite sub-microparticles. [Journal of Magnetism and Magnetic Materials](#), 451, 594-601.

65. Guzman-Vargas, A., Vazquez-Samperio, J., Oliver-Tolentino, M. A., Nava, N., Castillo, N., Macias-Hernandez, M. J. & Reguera, E. (2018). Influence of Cobalt on Electrocatalytic Water Splitting in Nicofe Layered Double Hydroxides. [Journal of Materials Science](#), 53(6), 4515-4526.

66. Osorio-Rivera, D., Torres-Delgado, G., Marquez-Marin, J., Castanedo-Perez, R., Aguilar-Frutis, M. A. & Zelaya-Angel, O. (2018). Cuprous Oxide Thin Films Obtained by Spray-Pyrolysis Technique. [Journal of Materials Science-Materials in Electronics](#), 29(1), 851-857.
67. Martinez-Vargas, S., Martinez, A. I., Hernandez-Beteta, E. E., Mijangos-Ricardez, O. F., Vazquez-Hipolito, V., Patino-Carachure, C. & Lopez-Luna, J. (2018). As(III) and as(V) Adsorption on Manganese Ferrite Nanoparticles. [Journal of Molecular Structure](#), 1154, 524-534.
68. Briseno-Ortega, H., Juarez-Guerra, L., Rojas-Lima, S., Mendoza-Huizar, L. H., Vazquez-Garcia, R. A., Farfan, N., Arcos-Ramos, R., Santillan, R. & Lopez-Ruiz, H. (2018). One pot synthesis, X-ray crystal structure of 2-(2'-hydroxyphenyl)oxazolo[4,5-b]pyridine derivatives and studies of their optical properties. [Journal of Molecular Structure](#), 1157, 119-126.
69. Jimenez-Urias, A., Lugo-Aranda, A. Z., Miranda-Olvera, M., Farfan, N., Santillan, R., Arcos-Ramos, R. & Carreon-Castro, M. D. (2018). Synthesis and Characterization of Dumbbell-Like Btd-Based Derivatives to Engineer Organic Building Blocks in Solid-State. [Journal of Molecular Structure](#), 1153, 34-41.
70. Alvarez-Arellano, L., Pedraza-Escalona, M., Blanco-Ayala, T., Camacho-Concha, N., Cortes-Mendoza, J., Perez-Martinez, L. & Pedraza-Alva, G. (2018). Autophagy Impairment by Caspase-1-Dependent Inflammation Mediates Memory Loss in Response to β -Amyloid Peptide Accumulation. [Journal of Neuroscience Research](#), 96(2), 234-246.
71. Cancino-Trejo, F., Lopez-Honorato, E., Walker, R. C. & Salomon-Ferrer, R. (2018). Grain-boundary type and distribution in silicon carbide coatings and wafers. [Journal of Nuclear Materials](#), 500, 176-183.
72. Mendoza-Galvan, A., Munoz-Pineda, E., Ribeiro, S. J. L., Santos, M. V., Jarrendahl, K. & Arwin, H. (2018). Mueller Matrix Spectroscopic Ellipsometry Study of Chiral Nanocrystalline Cellulose Films. [Journal of Optics](#), 20(2), 024001.
73. Enriquez-Cabrera, A., Vega-Penalosa, A., Alvarez-Venicio, V., Romero-Avila, M., Lacroix, P. G., Ramos-Ortiz, G., Santillan, R. & Farfan, N. (2018). Two-Photon Absorption Properties of Four New Pentacoordinated Diorganotin Complexes Derived From Schiff Bases With Fluorene. [Journal of Organometallic Chemistry](#), 855, 51-58.
74. Martinez-Rojas, V. A., Garcia, G., Noriega-Navarro, R., Guzman-Priego, C. G., Torres-Lopez, J. E., Granados-Soto, V. & Murbartian, J. (2018). Peripheral and Spinal Trpa1 Channels Contribute to Formalin-Induced Long-Lasting Mechanical Hypersensitivity. [Journal of Pain Research](#), 11, 51-60.
75. Sanchez-Vergara, M. E., Medrano-Gallardo, D., Vera-Estrada, I. L. & Jimenez-Sandoval, O. (2018). Optical absorption and electrical properties of MPc (M =Fe, Cu, Zn)-TCNQ interfaces for optoelectronic applications. [Journal of Physics and Chemistry of Solids](#), 115, 373-380.
76. Betancur-Ocampo, Y. & Gupta, V. (2018). Perfect Transmission of 3d Massive Kane Fermions in HgCdTe Veselago Lenses. [Journal of Physics-Condensed Matter](#), 30(3), 035501.
77. Pech-Rodriguez, W. J., Calles-Arriaga, C., Gonzalez-Quijano, D., Vargas-Gutierrez, G., Morais, C., Napporn, T. W. & Rodriguez-Varela, F. J. (2018). Electrocatalysis of the Ethylene Glycol Oxidation Reaction and in Situ Fourier-Transform Infrared Study on Ptmo/C Electrocatalysts in Alkaline and Acid Media. [Journal of Power Sources](#), 375, 335-344.

78. Lopez-Castillo, L. M., Diaz-Flores-Rivera, M. F., Winkler, R. & Garcia-Lara, S. (2018). Increase of peroxidase activity in tropical maize after recurrent selection to storage pest resistance. [Journal of Stored Products Research](#), 75, 47-55.
79. Gonzalez-Compean, J. L., Sosa-Sosa, V., Diaz-Perez, A., Carretero, J. & Yanez-Sierra, J. (2018). Sacbe: a Building Block Approach for Constructing Efficient and Flexible End-to-End Cloud Storage. [Journal of Systems and Software](#), 135, 143-156.
80. Cancino-Trejo, F., Navarro-Solis, D. J., Lopez-Honorato, E., Rabone, J., Walker, R. C. & Salomon, R. (2018). Grain Boundary Complexions in Silicon Carbide. [Journal of the American Ceramic Society](#), 101(3), 1009-1013.
81. Corrales, H. & Valencia, C. E. (2018). Arithmetical Structures on Graphs. [Linear Algebra and Its Applications](#), 536, 120-151.
82. Perez-Grijalva, B., Herrera-Sotero, M., Mora-Escobedo, R., Zebadua-Garcia, J. C., Silva-Hernandez, E., Oliart-Ros, R., Perez-Cruz, C. & Guzman-Geronimo, R. (2018). Effect of Microwaves and Ultrasound on Bioactive Compounds and Microbiological Quality of Blackberry Juice. [Lwt-Food Science and Technology](#), 87, 47-53.
83. Ramirez-Cano, J. A., Veleza, L., Souto, R. M. & Fernandez-Perez, B. M. (2018). Investigating Metal-Inhibitor Interaction With Eqcm and Svet: 3-Amino-1,2,4-Triazole on Au, Cu and Au-Cu Galvanic Coupling. [Materials and Corrosion-Werkstoffe Und Korrosion](#), 69(1), 115-124.
84. Venkatesan, R., Velumani, S., Ordon, K., Makowska-Janusik, M., Corbel, G. & Kassiba, A. (2018). Nanostructured bismuth vanadate (BiVO₄) thin films for efficient visible light photocatalysis. [Materials Chemistry and Physics](#), 205, 325-333.
85. Soltani, N., Bahrami, A., Pech-Canul, M. I., Gonzalez, L. A. & Gurlo, A. (2018). Surface Modification of Rice-Husk Ash (Rha) by Si₃N₄ Coating to Promote Its Wetting by Al-Mg-Si Alloys. [Materials Chemistry and Physics](#), 203, 223-234.
86. Pineda-Reyes, A. M. & Olvera, M. D. (2018). Synthesis of ZnO Nanoparticles From Water-in-Oil (W/O) Microemulsions. [Materials Chemistry and Physics](#), 203, 141-147.
87. Lopez-Naranjo, E. J., Hernandez-Rosales, I. P., Bueno-Duran, A. Y., Martinez-Aguilar, M. L., Gonzalez-Ortiz, L. J., Perez-Fonseca, A. A., Robledo-Ortiz, J. R., Sanchez-Pena, M. J. & Manzano-Ramirez, A. (2018). Biosynthesis of Silver Nanoparticles Using a Natural Extract Obtained From an Agroindustrial Residue of the Tequila Industry. [Materials Letters](#), 213, 278-281.
88. Serrano-Ruz, J. A., Campos-Gonzalez, E., Santoyo-Salazar, J. et al. (2018). Synthesis of Colloidal Silicon and Germanium Nanoparticles by Laser Ablation of Solid Si and Ge Targets in Ethanol. [Materials Research Express](#), 5(1), 015038.
89. Badillo-Avila, M. A., Castanedo-Perez, R., Torres-Delgado, G., Marquez-Marin, J. & Zelaya-Angel, O. (2018). Cu₂O Thin Films Obtained From Sol-Gel CuO Films Using a Simple Argon/Dry-Air Microwave Plasma. [Materials Science in Semiconductor Processing](#), 74, 203-209.
90. Mata, V., Maldonado, A. & Olvera, M. L. (2018). Deposition of ZnO thin films by ultrasonic spray pyrolysis technique. Effect of the milling speed and time and its application in photocatalysis. [Materials Science in Semiconductor Processing](#), 75, 288-295.
91. Arias-Ceron, J. S., Vilchis, H., Hurtado-Castaneda, D. M. & Sanchez, V. M. (2018). Free standing c-GaN films grown by low-pressure metalorganic chemical vapor deposition on GaP (100) substrates. [Materials Science in Semiconductor Processing](#), 74, 98-101.

92. Tang, J., Qiao, J. F., Wu, Z. W., Chai, T. Y., Zhang, J. & Yu, W. (2018). Vibration and Acoustic Frequency Spectra for Industrial Process Modeling Using Selective Fusion Multi-Condition Samples and Multi-Source Features. [Mechanical Systems and Signal Processing](#), 99, 142-168.
93. Avila-Luna, A., Galvez-Rosas, A., Durand-Rivera, A., Ramos-Languren, L. E., Rios, C., Arias-Montano, J. A. & Bueno-Nava, A. (2018). Dopamine D-1 Receptor Activation Maintains Motor Coordination and Balance in Rats. [Metabolic Brain Disease](#), 33(1), 99-105.
94. Ramirez-Nunez, A. L., Jimenez-Garcia, L. F., Goya, G. F., Sanz, B. & Santoyo-Salazar, J. (2018). In Vitro Magnetic Hyperthermia Using Polyphenol-Coated Fe₃O₄@Gamma Fe₂O₃ Nanoparticles From Cinnamomun Verum and Vanilla Planifolia: the Concert of Green Synthesis and Therapeutic Possibilities. [Nanotechnology](#), 29(7), 074001.
95. Rosas-Arellano, A., Tejeda-Guzman, C., Lorca-Ponce, E., Palma-Tirado, L., Mantellero, C. A., Rojas, P., Missirlis, F. & Castro, M. A. (2018). Huntington's disease leads to decrease of GABA-A tonic subunits in the D2 neostriatal pathway and their relocalization into the synaptic cleft. [Neurobiology of Disease](#), 110, 142-153.
96. Garcia-Galvez, A. M., Escamilla-Sanchez, J., Flores-Maldonado, C., Contreras, R. G., Arias, J. M. & Arias-Montano, J. A. (2018). Differential homologous desensitization of the human histamine H3 receptors of 445 and 365 amino acids expressed in CHO-K1 cells. [Neurochemistry International](#), 112, 114-123.
97. Tang, J., Qiao, J. F., Zhang, J., Wu, Z. W., Chai, T. Y. & Yu, W. (2018). Combinatorial Optimization of Input Features and Learning Parameters for Decorrelated Neural Network Ensemble-Based Soft Measuring Model. [Neurocomputing](#), 275, 1426-1440.
98. Xavier, G. M. T., Castaneda, F. G., Nava, L. M. F. & Cadenas, J. A. M. (2018). Memristive Recurrent Neural Network. [Neurocomputing](#), 273, 281-295.
99. Huidobro, N., De la Torre-Valdovinos, B., Mendez, A., Trevino, M., Arias-Carrion, O., Chavez, F., Gutierrez, R. & Manjarrez, E. (2018). Optogenetic noise-photostimulation on the brain increases somatosensory spike firing responses. [Neuroscience Letters](#), 664, 51-57.
100. Valdes, J., Kutralam-Muniasamy, G., Vergara-Porras, B., Marsch, R., Perez-Guevara, F. & Lopez-Cuellar, M. R. (2018). Heterologous expression of phaC2 gene and poly-3-hydroxyalkanoate production by recombinant Cupriavidus necator strains using canola oil as carbon source. [New Biotechnology](#), 40, 200-206.
101. Acharya, S., Adam, J., Adamova, D. et al. (2018). The Alice Transition Radiation Detector: Construction, Operation, and Performance. [Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment](#), 881, 88-127.
102. De la Guardia, E., Gimenez-Hurtado, E., Defeo, O., Angulo-Valdes, J., Hernandez-Gonzalez, Z., Espinosa-Pantoja, L., Gracia-Lopez, L. & Arias-Gonzalez, J. E. (2018). Indicators of overfishing of snapper (Lutjanidae) populations on the southwest shelf of Cuba. [Ocean & Coastal Management](#), 153, 116-123.
103. Isidro-Ojeda, M. A., Alvarado-Gil, J. J., Zanuto, V. S., Baesso, M. L., Astrath, N. G. C. & Malacarne, L. C. (2018). Laser induced wavefront distortion in thick-disk material: An analytical description. [Optical Materials](#), 75, 574-579.

104. Jimenez, G. L., Reyes-Rodriguez, J. L., Padilla, I., Alarcon-Flores, G. & Falcony, C. (2018). Reducing the photo-bleaching effect of a new europium complex embedded in styrene butadiene copolymer. [Optical Materials](#), 76, 271-277.

105. Chacon-Vargas, K. F., Andrade-Ochoa, S., Noguera-Torres, B., Juarez-Ramirez, D. C., Lara-Ramirez, E. E., Mondragon-Flores, R., Monge, A., Rivera, G. & Sanchez-Torres, L. E. (2018). Isopropyl Quinoxaline-7-Carboxylate 1,4-Di-N-Oxide Derivatives Induce Regulated Necrosis-Like Cell Death on Leishmania (Leishmania) Mexicana. [Parasitology Research](#), 117(1), 45-58.

106. Martinez-Castillo, M., Santos-Argumedo, L., Galvan-Moroyoqui, J. M., Serrano-Luna, J. & Shibayama, M. (2018). Toll-Like Receptors Participate in Naegleria Fowleri Recognition. [Parasitology Research](#), 117(1), 75-87.

107. Gonzalez-Gutierrez, J., Carreon, Y. J. P. & Moctezuma, R. E. (2018). Structural Evolution of a Granular Medium During Simultaneous Penetration. [Physica a-Statistical Mechanics and Its Applications](#), 489, 9-17.

108. Eugenio-Lopez, E., Lopez-Lopez, M., Gorbachev, A. Y., Espinosa-Vega, L. I., Cortes-Mestizo, I. E., Mercado-Ornelas, C. A., Del Rio-De Santiago, A. & Mendez-Garcia, V. H. (2018). Inas Quantum Dots Nucleation on (100) and Anisotropic (631)-Oriented Gaas Substrates. [Physica E-Low-Dimensional Systems & Nanostructures](#), 95, 22-26.

109. Montesinos, M., Romero, J. & Celada, M. (2018). Manifestly Lorentz-Covariant Variables for the Phase Space of General Relativity. [Physical Review D](#), 97(2), 024014.

110. Blanco-Rodriguez, R. & Perez-Angel, G. (2018). Stress Distribution in Two-Dimensional Silos. [Physical Review E](#), 97(1), 012903.

111. Canas, B. C., Garcis, E. A., Miranda, O. G. & Parada, A. (2018). The reactor antineutrino anomaly and low energy threshold neutrino experiments. [Physics Letters B](#), 776, 451-456.

112. Gonzalez-Tepale, M. R., Reyes, L., Mayorga-Flores, M., Reyes-Trejo, B., Gomez-Zepeda, D., Del Rio-Portilla, F., Ordaz-Ortiz, J. J. & Herbert-Pucheta, J. E. (2018). Cyclopurpuracin, a cyclopeptide from Annona purpurea seeds. [Phytochemistry Letters](#), 23, 164-167.

113. Vazquez-Martinez, J., Gutierrez-Villagomez, J. M., Fonseca-Garcia, C., Ramirez-Chavez, E., Mondragon-Sanchez, M. A. L., Partida-Martinez, L., Johansen, J. R. & Molina-Torres, J. (2018). Nodosilinea Chupicuarensis Sp Nov. (Leptolyngbyaceae, Synechococcales) a Subaerial Cyanobacterium Isolated From a Stone Monument in Central Mexico. [Phytotaxa](#), 334(2), 167-182.

114. Gonzalez-Domenech, C. M., Viciana, I., Delaye, L. et al. (2018). Emergence as an Outbreak of the Hiv-1 Crf19_Cpx Variant in Treatment-Naive Patients in Southern Spain. [Plos One](#), 13(1), e0190544.

115. Hernandez-Martinez, A. R., Lujan-Montelongo, J. A., Silva-Cuevas, C., Mota-Morales, J. D., Cortez-Valadez, M., Ruiz-Baltazar, A. J., Cruz, M. & Herrera-Ordenez, J. (2018). Swelling and methylene blue adsorption of poly(N,N-dimethylacrylamide-co-2-hydroxyethyl methacrylate) hydrogel. [Reactive and Functional Polymers](#), 122, 75-84.

116. Canto-Acosta, R. J., Loria-Bastarrachea, M. I., Carrillo-Escalante, H. J., Hernandez-Nunez, E., Aguilar-Vega, M. & Santiago-Garcia, J. L. (2018). Synthesis and Characterization of Poly(Amide-Imide)S Derived From a New Ortho-Functional Unsymmetrical Dicarboxylic Acid. [Rsc Advances](#), 8(1), 284-290.

117. Pola-Lopez, L. A., Camas-Anzueto, J. L., Martinez-Antonio, A., Lujan-Hidalgo, M. C., Anzueto-Sanchez, G., Ruiz-Valdiviezo, V. M., Grajales-Coutino, R. & Gonzalez, J. H. C. (2018). Novel Arsenic Biosensor "Pola" Obtained by a Genetically Modified E-Coil Bioreporter Cell. [Sensors and Actuators B-Chemical](#), 254, 1061-1068.

118. Runka, T., Olszewska, K., Fertsch, P., Lapinski, A., Jastrzebska, I., Santillan, R. & Farfan, N. (2018). Vibrational spectroscopic characterization of cyclic and acyclic molecular rotors with 1,4-diethynylphenylene-d4 rotators. [Spectrochimica Acta Part A-Molecular and Biomolecular Spectroscopy](#), 192, 393-400.

119. Steffani-Vallejo, J. L., Brunck, M. E., Acosta-Cruz, E. Y., Montiel, R. & Barona-Gomez, F. (2018). Genomic Insights Into Mycobacterium Simiae Human Colonization. [Standards in Genomic Sciences](#), 13, 1.

120. Munoz-Saldana, J., Schulz, U., Mondragon-Rodriguez, G. C., Caceres-Diaz, L. A. & Lau, H. (2018). Microstructure and lifetime of Hf or Zr doped sputtered NiAlCr bond coat/7YSZ EB-PVD TBC systems. [Surface and Coatings Technology](#), 335, 41-51.

121. Dezi, C., Balderas, C. N. O. & Calaminici, P. (2018). A Theoretical Study of Monomeric Polyglutamine Chains From Molecular Dynamics Simulations With Explicit Water. [Theoretical Chemistry Accounts](#), 137(1), 7.

122. Casallas-Moreno, Y. L., Cardona, D., Ortega, E. et al. (2018). High Cubic Phase Purity and Growth Mechanism of Cubic Inn Thin-Films by Migration Enhanced Epitaxy. [Thin Solid Films](#), 647, 64-69.

123. Rosado-Mendoza, M., Oliva-Aviles, A. I. & Oliva, A. I. (2018). Preferential Regions of Growth of Chemical Bath Deposited ZnO and Zn(OH)₂ Thin Films at Room Conditions. [Thin Solid Films](#), 645, 231-240.

124. Hernandez, A. J. A., Reyes, V. L., Albores-Garcia, D., Gomez, R. & Calderon-Aranda, E. S. (2018). MeHg affects the activation of FAK, Src, Rac1 and Cdc42, critical proteins for cell movement in PDGF-stimulated SH-SY5Y neuroblastoma cells. [Toxicology](#), 394, 35-44.

125. Mauricio-Sanchez, R. A., Salazar, R., Luna-Barcenas, J. G. & Mendoza-Galvan, A. (2018). FTIR spectroscopy studies on the spontaneous neutralization of chitosan acetate films by moisture conditioning. [Vibrational Spectroscopy](#), 94, 1-6.

126. Reyes-Ruiz, J. M., Osuna-Ramos, J. F., Cervantes-Salazar, M., Lagunes-Guillen, A. E., Chavez-Munguia, B., Salas-Benito, J. S. & Del Angel, R. M. (2018). Strand-like structures and the nonstructural proteins 5, 3 and 1 are present in the nucleus of mosquito cells infected with dengue virus. [Virology](#), 515, 74-80.

127. Dionicio, C. L., Pena, F., Constantino-Jonapa, L. A. et al. (2018). Dengue virus induced changes in Ca²⁺ homeostasis in human hepatic cells that favor the viral replicative cycle. [Virus Research](#), 245, 17-28.

128. Vega-Flick, A., Duncan, R. A., Wallen, S. P., Boechler, N., Stelling, C., Retsch, M., Alvarado-Gil, J. J., Nelson, K. A. & Maznev, A. A. (2018). Contact-Based and Spheroidal Vibrational Modes of a Hexagonal Monolayer of Microspheres on a Substrate. [Wave Motion](#), 76, 122-133.

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

129. Estrada, M., Hernandez-Barrios, Y., Moldovan, O., Cerdeira, A., Lime, F., Pavanello, M. & Iniguez, B. (2018). Effect of the Distribution of States in Amorphous in-Ga-Zn-O Layers on the Conduction Mechanism of Thin Film Transistors on Its Base. [Facta Universitatis-Series Electronics and Energetics](#), 31(1), 1-9.

130. Jafari, R. & Razvarz, S. (2018). Solution of fuzzy differential equations using fuzzy Sumudu transforms. [Mathematical and Computational Applications](#), 23, 5.

131. Alatorre-Cruz, J. M., Pita-Lopez, W., Lopez-Reyes, R. G. et al. (2018). Effects of intragastrically-administered Tepary bean lectins on digestive and immune organs: Preclinical evaluation. [Toxicology Reports](#), 5, 56-64.

132. Granada-Ramirez, D. A., Arias-Ceron, J. S., Rodriguez-Fragoso, P., Vazquez-Hernandez, F., Luna-Arias, J. P., Herrera-Perez, J. L. & Mendoza-Alvarez, J. G. (2018). Quantum Dots for Biomedical Applications. [Woodhead Publishing Series in Biomaterials](#), pp. 411-436.

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

133. Barba, L., Caraballo, L. E., Diaz-Banez, J. M., Fabila-Monroy, R. & Perez-Castillo, E. (2018). Corrigendum to 'Asymmetric polygons with maximum area' [European Journal of Operational Research 248 (2016) 1123-1131]. [European Journal of Operational Research](#), 266(1), 391.

134. Wu, N. Q., Li, Z. W., Barkaoui, K., Li, X. O., Murata, T. & Zhou, M. C. (2018). IoT-Based Smart and Complex Systems: a Guest Editorial Report. [Ieee-Caa Journal of Automatica Sinica](#), 5(1), 69-73.

135. Lashkevych, I., Titov, O. Y. & Gurevich, Y. G. (2018). Response to "Comment on I. Lashkevych, O. Yu. Titov, and Yu.g. Gurevich, Ohm's Law for a Bipolar Semiconductor: the Role of Carrier Concentration and Energy Nonequilibria, J. Electron. Mater., 46, 585 (2017)". [Journal of Electronic Materials](#), 47(1), 901-902.

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

136. Gonzalez-Ramirez, R. & Felix, R. (2018). Transcriptional Regulation of Voltage-Gated Ca²⁺ Channels. [Acta Physiologica](#), 222(1), e12883.

137. Quintero, H. & Lamas, M. (2018). MicroRNA Expression in the Neural Retina: Focus on Muller Glia. [Journal of Neuroscience Research](#), 96(3), 362-370.

ARTÍCULOS DEL MES DE FEBRERO DE 2018

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

- 1 Bilgin, I., Raeliarijaona, A. S., Lucking, M. C., Hodge, S. C., Mohite, A. D., Bugallo, A. D., Terrones, H. & Kar, S. (2018). Resonant Raman and Exciton Coupling in High-Quality Single Crystals of Atomically Thin Molybdenum Diselenide Grown by Vapor-Phase Chalcogenization. [Acs Nano](#), 12(1), 740-750.
- 2 Ibanez-Cervantes, G., Leon-Avila, G., Bello-Lopez, J. M., Perez-Rangel, A., Leon-Garcia, G., Noguera-Torres, B. & Hernandez, J. M. (2018). Changes in the Incidence of Intestinal Giardiasis in Mexican Population During Five Years (2011-2015). [Acta Parasitologica](#), 63(1), 40-47.
- 3 Arni, S., De Wijn, R., Garcia-Villegas, R., Bitanhirwe, B. K. Y., Caviezel, C., Weder, W. & Hillinger, S. (2018). A strategy to analyse activity-based profiling of tyrosine kinase substrates in OCT-embedded lung cancer tissue. [Analytical Biochemistry](#), 547, 77-83.
- 4 Kravchenko, V. V. (2018). Construction of a transmutation for the one-dimensional Schrödinger operator and a representation for solutions. [Applied Mathematics and Computation](#), 328, 75-81.
- 5 Vazquez-Guerra, R. J., Marquez-Rubio, J. F., Hernandez-Perez, M. A., Del Muro-Cuellar, B. & Sanchez-Garcia, J. C. (2018). Dynamic Delayed Controllers for Recycling Systems With Internal Delays and Complex Poles. [Asia-Pacific Journal of Chemical Engineering](#), 13(1), e2146.
- 6 Albert, A., Alfaro, R., Alvarez, C. et al. (2018). Dark Matter Limits From Dwarf Spheroidal Galaxies With the HAWC Gamma-Ray Observatory. [Astrophysical Journal](#), 853(2), 154.
- 7 LangLang, R. G., Martinez-Huerta, H. & De Souza, V. (2018). Limits on the Lorentz Invariance Violation From UHECR Astrophysics. [Astrophysical Journal](#), 853(1), 23.
- 8 Aab, A., Abreu, P., Aglietta, M. et al. (2018). An Indication of Anisotropy in Arrival Directions of Ultra-High-Energy Cosmic Rays Through Comparison to the Flux Pattern of Extragalactic Gamma-Ray Sources. [Astrophysical Journal Letters](#), 853(2), L29.
- 9 Palomino-Vizcaino, G., Valencia-Resendiz, D. G., Benitez-Hess, M. L. et al. (2018). Effect of HPV16 L1 virus-like particles on the aggregation of non-functionalized gold nanoparticles. [Biosensors & Bioelectronics](#), 100, 176-183.
- 10 Caamal-Herrera, I. O., Carrillo-Cocom, L. M., Escalante-Rendiz, D. Y., Araiz-Hernandez, D. & Azamar-Barrios, J. A. (2018). "Antimicrobial and Antiproliferative Activity of Essential Oil, Aqueous and Ethanolic Extracts of *Ocimum Micranthum* Willd Leaves". [Bmc Complementary and Alternative Medicine](#), 18, 55.

- 11 Kantun-Manzano, C. A., Herrera-Silveira, J. A. & Arcega-Cabrera, F. (2018). Influence of Coastal Submarine Groundwater Discharges on Seagrass Communities in a Subtropical Karstic Environment. [Bulletin of Environmental Contamination and Toxicology](#), 100(1), 176-183.
- 12 Montalvo, D., Perez-Trevino, P., Madrazo-Aguirre, K. et al. (2018). Underlying mechanism of the contractile dysfunction in atrophied ventricular myocytes from a murine model of hypothyroidism. [Cell Calcium](#), 72, 26-38.
- 13 Arambula-Villa, G., Flores-Casamayor, V., Veles-Medina, J. J. & Salazar, R. (2018). Mitigating Effect of Calcium and Magnesium on Acrylamide Formation in Tortilla Chips. [Cereal Chemistry](#), 95(1), 94-97.
- 14 Chepyshev, S. V., Fleming, F. F., Pitta, B. R., Vangala, S. R., Lujan-Montelongo, J. A. & Steward, O. W. (2018). Electrophile-Directed Diastereoselective Oxonitrile Alkylations. [Chemistry](#), 24(12), 2850-2853.
- 15 Manko, V. S. & Garcia-Compean, H. (2018). Smarr Formula for Black Holes Endowed With Both Electric and Magnetic Charges. [Classical and Quantum Gravity](#), 35(6), 064001.
- 16 Burgos, J. M. (2018). Singularities in Negami's splitting formula for the Tutte polynomial. [Discrete Applied Mathematics](#), 237, 65-74.
- 17 Duque, F., Fabila-Monroy, R. & Hidalgo-Toscano, C. (2018). Point Sets With Small Integer Coordinates and No Large Convex Polygons. [Discrete & Computational Geometry](#), 59(2), 461-476.
- 18 Zapata-Morales, J. R., Alonso-Castro, A. J., Granados-Soto, V., Sanchez-Enriquez, S. & Isiordia-Espinoza, M. A. (2018). Assessment of the Antinociceptive and Ulcerogenic Activity of the Tapentadol-Diclofenac Combination in Rodents. [Drug Development Research](#), 79(1), 38-44.
- 19 Ortiz, M. I., Carino-Cortes, R., Ponce-Monter, H. A., Castaneda-Hernandez, G. & Chavez-Pina, A. E. (2018). Pharmacological Interaction of -Bisabolol and Diclofenac on Nociception, Inflammation, and Gastric Integrity in Rats. [Drug Development Research](#), 79(1), 29-37.
- 20 Arrieta-Paternina, M. R., Zamora-Mendez, A., Ortiz-Bejar, J., Chow, J. H. & Ramirez, J. M. (2018). Identification of coherent trajectories by modal characteristics and hierarchical agglomerative clustering. [Electric Power Systems Research](#), 158, 170-183.
- 21 Martin, A. & Schutze, O. (2018). Pareto Tracer: a Predictor-Corrector Method for Multi-Objective Optimization Problems. [Engineering Optimization](#), 50(3), 516-536.

22 Paredes-Chi, A. A. & Viga-De Alva, M. D. (2018). Environmental Education (Ee) Policy and Content of the Contemporary (2009-2017) Mexican National Curriculum for Primary Schools. [Environmental Education Research](#), 24(4), 564-580.

23 Gamboa-Loira, B., Hernandez-Alcaraz, C., Gandolfi, A. J., Cebrian, M. E., Burguete-Garcia, A., Garcia-Martinez, A. & Lopez-Carrillo, L. (2018). Arsenic methylation capacity in relation to nutrient intake and genetic polymorphisms in one-carbon metabolism. [Environmental Research](#), 164, 18-23.

24 Centurion, D., Huerta-De la Cruz, S., Castillo-Santiago, S. V., Becerril-Chacon, M. E., Torres-Perez, J. A. & Sanchez-Lopez, A. (2018). NaHS prejunctionally inhibits the cardioaccelerator sympathetic outflow in pithed rats. [European Journal of Pharmacology](#), 823, 35-40.

25 Klanian, M. G., Perez, O. Z. & Vela-Magana, M. A. (2018). Phenotypic Plasticity in Gene Expression and Physiological Response in Red Drum *Sciaenops Ocellatus* Exposed to a Long-Term Freshwater Environment. [Fish Physiology and Biochemistry](#), 44(1), 73-85.

26 Benitez-Trinidad, A. B., Medina-Diaz, I. M., Bernal-Hernandez, Y. Y., Barron-Vivanco, B. S., Gonzalez-Arias, C. A., Herrera-Moreno, J. F., Alvarado-Cruz, I., Quintanilla-Vega, B. & Rojas-Garcia, A. E. (2018). Relationship between LINE-1 methylation pattern and pesticide exposure in urban sprayers. [Food and Chemical Toxicology](#), 113, 125-133.

27 Patricio-Gomez, J. M., Valdez, R. A., Veloz, A., Aguilar-Vega, L., Zurabian, R. & Romano, M. C. (2018). The synthesis of steroids by *Taenia crassiceps* WFU cysticerci and tapeworms is related to the developmental stages of the parasites. [General and Comparative Endocrinology](#), 259, 154-160.

28 Urzua-Abarca, D. A., Fuentes-Aceituno, J. C., Uribe-Salas, A. & Lee, J. C. (2018). An electrochemical study of silver recovery in thiosulfate solutions. A window towards the development of a simultaneous electroleaching-electrodeposition process. [Hydrometallurgy](#), 176, 104-117.

29 Perez-Garibay, R., Bello-Teodoro, S. & Rojas-Montes, J. C. (2018). Thermodynamic simulation of the reaction mechanism of Mn²⁺ oxidation with an SO₂/O₂ mixture. [Hydrometallurgy](#), 176, 260-265.

30 Lin, Q. Z., Liu, S. B., Zhu, Q. L., Tang, C. Y., Song, R. Z., Chen, J. Y., Coello, C. A. C., Wong, K. C. & Zhang, J. (2018). Particle Swarm Optimization With a Balanceable Fitness Estimation for Many-Objective Optimization Problems. [IEEE Transactions on Evolutionary Computation](#), 22(1), 32-46.

31 Aichholzer, O., Atienza, N., Diaz-Banez, J. M., Fabila-Monroy, R., Flores-Penalzoza, D., Perez-Lantero, P., Vogtenhuber, B. & Urrutia, J. (2018). Computing balanced islands in two colored point sets in the plane. [Information Processing Letters](#), 135, 28-32.

- 32 Mancilla-Olea, M. I., Ortega-Lopez, J., Figueroa-Angulo, E. E. et al. (2018). Trichomonas vaginalis cathepsin D-like aspartic proteinase (Tv-CatD) is positively regulated by glucose and degrades human hemoglobin. [International Journal of Biochemistry & Cell Biology](#), 97, 1-15.
- 33 Camacho-Chab, J. C., Castaneda-Chavez, M. R., Galaviz-Villa, I. et al. (2018). Biosorption of Cadmium by Non-Toxic Extracellular Polymeric Substances (EPS) Synthesized by Bacteria from Marine Intertidal Biofilms. [International Journal of Environmental Research and Public Health](#), 15(2), 314.
- 34 Mena-Duran, C. J., Alonso-Lemus, I. L., Quintana, P., Barbosa, R., Ordonez, L. C. & Escobar, B. (2018). Preparation of metal-free electrocatalysts from cassava residues for the oxygen reduction reaction: A sulfur functionalization approach. [International Journal of Hydrogen Energy](#), 43(6), 3172-3179.
- 35 Paul, S., Yu, W. & Li, X. O. (2018). Bidirectional Active Control of Structures With Type-2 Fuzzy Pd and Pid. [International Journal of Systems Science](#), 49(4), 766-782.
- 36 Tabasco-Novelo, C., May-Crespo, J., Ramirez-Rincon, J. A., Forero-Sandoval, I. Y., Rodriguez-Gattorno, G., Quintana, P. & Alvarado-Gil, J. J. (2018). Effects of Sintering on the Thermal and Optical Properties of Zinc Oxide Ceramic. [International Journal of Thermophysics](#), 39(2), 22.
- 37 Garcia-Villamar, V., Hernandez-Aragon, L. G., Chavez-Rios, J. R., Ortega, A., Martinez-Gomez, M. & Castelan, F. (2018). Expression of Glial Cell Line-Derived Neurotrophic Factor (Gdnf) and the Gdnf Family Receptor Alpha Subunit 1 in the Paravaginal Ganglia of Nulliparous and Primiparous Rabbits. [International Neurology Journal](#), 22, S23-S33.
- 38 Pablo-Perez, S. S., Parada-Cruz, B., Barbier, O. C. & Melendez-Camargo, M. E. (2018). The Ethanolic Extract of Eysenhardtia Polystachya (Ort.) Sarg. Bark and Its Fractions Delay the Progression of Rheumatoid Arthritis and Show Antinociceptive Activity in Murine Models. [Iranian Journal of Pharmaceutical Research](#), 17(1), 236-248.
- 39 Huerta, E. F., Carmona-Tellez, S., Cabanas-Moreno, J. G. & Falcony, C. (2018). Visible and near infrared upconversion photoluminescence from Y₂O₃:Er³⁺, Yb³⁺, Li⁺ phosphors under 1532-nm excitation light. [Journal of Alloys and Compounds](#), 732, 422-428.
- 40 Perez-Sanchez, G., Jimenez, A., Quezada-Ramirez, M. A. et al. (2018). Annexin A1, Annexin A2, and Dyrk 1b Are Upregulated During Gas1-Induced Cell Cycle Arrest. [Journal of Cellular Physiology](#), 233(5), 4166-4182.
- 41 Silva, L., Valdes-Lozano, D., Escalante, E. & Gasca-Leyva, E. (2018). Dynamic root floating technique: An option to reduce electric power consumption in aquaponic systems. [Journal of Cleaner Production](#), 183, 132-142.

- 42 Reynaga-Pena, C. G., Sandoval-Rios, M., Torres-Frias, J., Lopez-Suero, C., Garza, A. L., Felix, M. D., Maitland, M. G. & Ibanez, J. G. (2018). Creating a Dialogic Environment for Transformative Science Teaching Practices: Towards an Inclusive Education for Science. [Journal of Education for Teaching](#), 44(1), 44-57.
- 43 Fernandez-Limon, C., Fernandez-Cardenas, J. M. & Galindo, A. A. G. (2018). The Role of Non-Formal Contexts in Teacher Education for Stem: the Case of Horno(3) Science and Technology Interactive Centre. [Journal of Education for Teaching](#), 44(1), 71-89.
- 44 Del Angel-Coronel, O. A., Leon-Garcia, E., Vela-Gutierrez, G., Rojas-Reyes, J. O., Gomez-Lim, M. A. & Garcia, H. S. (2018). Lipoxygenase Activity Associated to Fruit Ripening and Senescence in Chayote (*Sechium Edule* Jacq. Sw. Cv. "Virens Levis"). [Journal of Food Biochemistry](#), 42(1), e12438.
- 45 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Pseudorapidity Distributions of Charged Hadrons in Proton-Lead Collisions at Root $S(Nn)=5.02$ and 8.16 Tev. [Journal of High Energy Physics](#), (1), 045.
- 46 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Low Mass Vector Resonances Decaying Into Quark-Antiquark Pairs in Proton-Proton Collisions at Root $S=13$ Tev. [Journal of High Energy Physics](#), (1), 097.
- 47 Angel-Huerta, F., Gonzalez-Araoz, M. P., Sanchez-Ramirez, J. F., Diaz-Reyes, J., Herrera-Perez, J. L., Arias-Ceron, J. S. & Mendoza-Alvarez, J. G. (2018). Synthesis temperature-dependent optical properties of ZnS-shell formation on InP nanoparticles. [Journal of Luminescence](#), 197, 277-284.
- 48 Sanjuan, M. L., Orera, A., Sobrados, I., Fuentes, A. F. & Sanz, J. (2018). Structural Transition in Orthorhombic $Li_5-Xh_xLa_3nb_2o_{12}$ Garnets Induced by a Concerted Lithium and Proton Diffusion Mechanism. [Journal of Materials Chemistry A](#), 6(6), 2708-2720.
- 49 Arreaga-Gonzalez, H. M., Pardo-Novoa, J. C., Del Rio, R. E., Rodriguez-Garcia, G., Torres-Valencia, J. M., Manriquez-Torres, J. J., Cerda-Garcia-Rojas, C. M., Joseph-Nathan, P. & Gomez-Hurtado, M. A. (2018). Methodology for the Absolute Configuration Determination of Epoxythymols Using the Constituents of *Ageratina Glabrata*. [Journal of Natural Products](#), 81(1), 63-71.
- 50 Guzman-Mejia, F., Lopez-Rubalcava, C. & Gonzalez-Espinosa, C. (2018). Stimulation of Nachr Alpha 7 Receptor Inhibits Tnf Synthesis and Secretion in Response to Lps Treatment of Mast Cells by Targeting Erk1/2 and Tace Activation. [Journal of Neuroimmune Pharmacology](#), 13(1), 39-52.
- 51 Perez-Rodriguez, M. J., Velazquez-Lagunas, I., Pluma-Pluma, A., Barragan-Iglesias, P. & Granados-Soto, V. (2018). Anion exchanger 3 in dorsal root ganglion contributes to nerve injury-induced chronic mechanical allodynia and thermal hyperalgesia. [Journal of Pharmacy and Pharmacology](#), 70(3), 374-382.

52 Notario, R., Davalos, J. Z., Guzman-Mejia, R. & Juaristi, E. (2018). Gas-Phase Acidities and Basicities of Alanines and α -Benzylalanines by the Extended Kinetic Method. [Journal of Physical Chemistry A](#), 122(1), 383-389.

53 Oliva, J., Gomez-Solis, C., Diaz-Torres, L. A., Martinez-Luevanos, A., Martinez, A. I. & Coutino-Gonzalez, E. (2018). Photocatalytic Hydrogen Evolution by Flexible Graphene Composites Decorated With Ni(OH)₂ Nanoparticles. [Journal of Physical Chemistry C](#), 122(3), 1477-1485.

54 Rodriguez-Perez, M., Canto-Aguilar, E. J., Garcia-Rodriguez, R., De Denko, A. T., Oskam, G. & Osterloh, F. E. (2018). Surface Photovoltage Spectroscopy Resolves Interfacial Charge Separation Efficiencies in ZnO Dye-Sensitized Solar Cells. [Journal of Physical Chemistry C](#), 122(5), 2582-2588.

55 Cervantes-Alvarez, F., Macias, J. D. & Alvarado-Gil, J. J. (2018). Heat Transport in Electrically Aligned Multiwalled Carbon Nanotubes Dispersed in Water. [Journal of Physics D-Applied Physics](#), 51(6), 065302.

56 Ortiz-Salazar, M., Pech-May, N. W., Vales-Pinzon, C., Medina-Esquivel, R. & Alvarado-Gil, J. J. (2018). Magnetic Field Induced Tunability on the Thermal Conductivity of Ferrofluids Loaded With Carbon Nanofibers. [Journal of Physics D-Applied Physics](#), 51(7), 075003.

57 Arellano-Rivas, A., De-Nova, J. A. & Munguia-Rosas, M. A. (2018). Patch Isolation and Shape Predict Plant Functional Diversity in a Naturally Fragmented Forest. [Journal of Plant Ecology](#), 11(1), 136-146.

58 Hidber, C. E. & Xicotencatl, M. A. (2018). The Mod 2 Cohomology of the Mapping Class Group of the Klein Bottle With Marked Points. [Journal of Pure and Applied Algebra](#), 222(6), 1478-1488.

59 Meza-Cuenca, F., Medina-Contreras, J. M. L., Mailloux-Salinas, P. et al. (2018). Characterization of Free Fatty Acid Receptors Expression in an Obesity Rat Model With High Sucrose Diet. [Journal of Receptors and Signal Transduction](#), 38(1), 76-82.

60 Hernandez-Munive, A. K., Rebolledo-Solleiro, D., Ventura-Aquino, E. & Fernandez-Guasti, A. (2018). Reduced Lordosis and Enhanced Aggression in Paced and Non-Paced Mating in Diabetic Female Rats. [Journal of Sexual Medicine](#), 15(2), 124-135.

61 Castillo-Cruz, O., Perez-Aranda, C., Gamboa, F., Cauch-Rodriguez, J. V., Mantovani, D. & Aviles, F. (2018). Prediction of circumferential compliance and burst strength of polymeric vascular grafts. [Journal of the Mechanical Behavior of Biomedical Materials](#), 79, 332-340.

- 62 Fuentes-Delgado, V. H., Martinez-Saldana, M. C., Rodriguez-Vazquez, M. L., Reyes-Romero, M. A., Reyes-Sanchez, J. L. & Jaramillo-Juarez, F. (2018). Renal Damage Induced by the Pesticide Methyl Parathion in Male Wistar Rats. [Journal of Toxicology and Environmental Health-Part a-Current Issues](#), 81(6), 130-141.
- 63 Guevara-Pantoja, P. E., Jimenez-Valdes, R. J., Garcia-Cordero, J. L. & Caballero-Robledo, G. A. (2018). Pressure-actuated monolithic acrylic microfluidic valves and pumps. [Lab on a Chip](#), 18(4), 662-669.
- 64 Young, C., Martin, J. B., Branyon, J., Pain, A., Valle-Levinson, A., Marino-Tapia, I. & Vieyra, M. R. (2018). Effects of Short-Term Variations in Sea Level on Dissolved Oxygen in a Coastal Karst Aquifer, Quintana Roo, Mexico. [Limnology and Oceanography](#), 63(1), 352-362.
- 65 Hassett, B., Scheinberg, M., Castaneda-Hernandez, G. et al. (2018). Variability of Intended Copies for Etanercept (Enbrel (R)): Data on Multiple Batches of Seven Products. [Mabs](#), 10(1), 166-176.
- 66 Garcia-Cruz, N. U., Sanchez-Avila, J. I., Valdes-Lozano, D., Gold-Bouchot, G. & Aguirre-Macedo, L. (2018). Biodegradation of hexadecane using sediments from rivers and lagoons of the Southern Gulf of Mexico. [Marine Pollution Bulletin](#), 128, 202-207.
- 67 Medina-Montes, M. I., Campos-Gonzalez, E., Morales-Luna, M., Sanchez, T. G., Becerril-Silva, M., Mayan-Hernandez, S. A., De Moure-Flores, F. & Santos-Cruz, J. (2018). Development of phase-pure CuSbS₂ thin films by annealing thermally evaporated CuS/Sb₂S₃ stacking layer for solar cell applications. [Materials Science in Semiconductor Processing](#), 80, 74-84.
- 68 Ojeda-Barrero, G., Oliva-Aviles, A. I., Oliva, A. I., Maldonado, R. D., Acosta, M. & Alonzo-Medina, G. M. (2018). Effect of the substrate temperature on the physical properties of sprayed-CdS films by using an automatized perfume atomizer. [Materials Science in Semiconductor Processing](#), 79, 7-13.
- 69 Garnica-Garza, H. M. (2018). Directional Scatter Imaging for the Stereoscopic Tracking of Fiducial Markers in a Single Kv Exposure. [Medical Physics](#), 45(2), 703-713.
- 70 Rodriguez, E. N. H., Contreras, C. M. I., Herrera, A. M., Torres, M. G. Z., Gracia, A. B., De La Pena, J. A. D., Fernandez, R. M. & Chapa, J. L. P. (2018). Development of MgOx-TiOx Coatings for Modulation of Mg Corrosion Resistance. [Metallurgical Research & Technology](#), 115(2), 205.
- 71 Perez-Garibay, R., Bueno-Tokunaga, A., Estrada-Ruiz, R. H. & Camacho-Ortegon, L. F. (2018). Effect of surface electrical charge on microbubbles' terminal velocity and gas holdup. [Minerals Engineering](#), 119, 166-172.

72 Pinzon-Diaz, C. E., Quintanar-Escorza, M. A., Calderon-Salinas, J. V., Rosas-Flores, M. M., Hernandez, G. & Lopez-Betancourt, A. (2018). Eryptosis and oxidative damage in hypertensive and dyslipidemic patients. [Molecular and Cellular Biochemistry](#), 440(1-2), 105-113.

73 Aragon, J., Gonzalez-Reyes, M., Romo-Yanez, J., Vacca, O., Aguilar-Gonzalez, G., Rendon, A., Vaillend, C. & Montanez, C. (2018). Dystrophin Dp71 Isoforms Are Differentially Expressed in the Mouse Brain and Retina: Report of New Alternative Splicing and a Novel Nomenclature for Dp71 Isoforms. [Molecular Neurobiology](#), 55(2), 1376-1386.

74 Colin-Lozano, B., Estrada-Soto, S., Chavez-Silva, F. et al. (2018). Design, Synthesis and in Combo Antidiabetic Bioevaluation of Multitarget Phenylpropanoic Acids. [Molecules](#), 23(2), 340.

75 Guzman-Gutierrez, S. L., Silva-Miranda, M., Nieto-Camacho, A. et al. (2018). Mexican Propolis: A Source of Antioxidants and Anti-Inflammatory Compounds, and Isolation of a Novel Chalcone and $\hat{\mu}$ -Caprolactone Derivative. [Molecules](#), 23(2), 334. <http://www.mdpi.com/1420-3049/23/2/334>

76 Garcia-Valdivieso, G., Velazquez-Salazar, J. J., Samaniego-Benitez, J. E., Ojeda-Galvan, H. J., Arellano-Jimenez, M. J., Martinez-Reyna, K. G. H., Jose-Yacaman, M. & Navarro-Contreras, H. R. (2018). Zinc Oxide Decorated Multi-Walled Carbon Nanotubes: Their Bolometric Properties. [Nanotechnology](#), 29(12), 125607.

77 Nowoshilow, S., Schloissnig, S., Fei, J. F. et al. (2018). The Axolotl Genome and the Evolution of Key Tissue Formation Regulators. [Nature](#), 554(7690), 50-+.

78 Urnavicius, L., Lau, C. K., Elshenawy, M. M., Morales-Rios, E., Motz, C., Yildiz, A. & Carter, A. P. (2018). Cryo-Em Shows How Dynactin Recruits Two Dyneins for Faster Movement. [Nature](#), 554(7691), 202-+.

79 Monfil, T., Roque, R. A. V., Camacho-Abrego, I., Tendilla-Beltran, H., Iannitti, T., Meneses-Morales, I., Aguilar-Alonso, P., Flores, G. & Morales-Medina, J. C. (2018). Hyper-Response to Novelty Increases C-Fos Expression in the Hippocampus and Prefrontal Cortex in a Rat Model of Schizophrenia. [Neurochemical Research](#), 43(2), 441-448.

80 Jijon-Lorenzo, R., Caballero-Floran, I. H., Avalos-Fuentes, J. A., Paz-Bermudez, F. J., Recillas-Morales, S., Cortes, H., Erlij, D. & Floran, B. (2018). Presynaptic Dopamine D2 Receptors Modulate [(3)H]GABA Release at StriatoPallidal Terminals via Activation of PLC -> IP3 -> Calcineurin and Inhibition of AC -> cAMP -> PKA Signaling Cascades. [Neuroscience](#), 372, 74-86.

81 Lopez-Juarez, R., Zempoalteca, R., Corona-Quintanilla, D. L., Jimenez-Estrada, I., Castelan, F. & Martinez-Gomez, M. (2018). Multiparity Modifies Contractile Properties of Pelvic Muscles Affecting the Genesis of Vaginal Pressure in Rabbits. [Neurourology and Urodynamics](#), 37(1), 106-114.

82 Abeysekara, A. U., Alfaro, R., Alvarez, C. et al. (2018). Data acquisition architecture and online processing system for the HAWC gamma-ray observatory. [Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment](#), 888, 138-146.

83 Lakshminarayana, G., Kaky, K. M., Baki, S. O. et al. (2018). Nd³⁺-doped heavy metal oxide based multicomponent borate glasses for 1.06 [μ]m solid-state NIR laser and O-band optical amplification applications. [Optical Materials](#), 78, 142-159.

84 Castro-Elizalde, K. N., Hernandez-Contreras, P., Ramirez-Flores, C. J., Gonzalez-Pozos, S., De Leon, C. T. G., Mondragon-Castelan, M. & Mondragon-Flores, R. (2018). Mycophenolic Acid Induces Differentiation of Toxoplasma Gondii Rh Strain Tachyzoites Into Bradyzoites and Formation of Cyst-Like Structure in Vitro. [Parasitology Research](#), 117(2), 547-563.

85 Aranda-Barradas, M. E., Marquez, M., Quintanar, L., Santoyo-Salazar, J., Espadas-Alvarez, A. J., Martinez-Fong, D. & Garcia-Garcia, E. (2018). Development of a Parenteral Formulation of NTS-Polyplex Nanoparticles for Clinical Purpose. [Pharmaceutics](#), 10(1), 5.

86 Medina-Lopez, R., Vara-Gama, N., Soria-Arteche, O., Moreno-Rocha, L. A. & Lopez-Munoz, F. J. (2018). Pharmacokinetics and Pharmacodynamics of (S)-Ketoprofen Co-Administered with Caffeine: A Preclinical Study in Arthritic Rats. [Pharmaceutics](#), 10(1), 20.

87 Mena-Avila, E., Marquez-Gomez, R., Aquino-Miranda, G., Nieto-Alamilla, G. & Arias-Montano, J. A. (2018). Clobenpropit, a histamine H₃ receptor antagonist/inverse agonist, inhibits [3H]-dopamine uptake by human neuroblastoma SH-SY5Y cells and rat brain synaptosomes. [Pharmacological Reports](#), 70(1), 146-155.

88 Barragan-Iglesias, P., Oidor-Chan, V. H., Loeza-Alcocer, E. et al. (2018). Evaluation of the neonatal streptozotocin model of diabetes in rats: Evidence for a model of neuropathic pain. [Pharmacological Reports](#), 70(2), 294-303.

89 Marquez-Gomez, R., Robins, M. T., Gutierrez-Rodelo, C., Arias, J. M., Olivares-Reyes, J. A., Van Rijn, R. M. & Arias-Montano, J. A. (2018). Functional histamine H₃ and adenosine A_{2A} receptor heteromers in recombinant cells and rat striatum. [Pharmacological Research](#), 129, 515-525.

90 Pan, S., Ghara, M., Kar, S., Zarate, X., Merino, G. & Chattaraj, P. K. (2018). Noble Gas Encapsulated B-40 Cage. [Physical Chemistry Chemical Physics](#), 20(3), 1953-1963.

91 Bellini, E., Barreira, A., Frusciante, N. et al. (2018). Comparison of Einstein-Boltzmann Solvers for Testing General Relativity. [Physical Review D](#), 97(2), 023520.

- 92 Ayon-Beato, E., Ramirez-Baca, P. I. & Terrero-Escalante, C. A. (2018). Cosmological Stealths With Nonconformal Couplings. [Physical Review D](#), 97(4), 043505.
- 93 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Higgsino Pair Production in Pp Collisions at $\sqrt{s}=13$ TeV in Final States With Large Missing Transverse Momentum and Two Higgs Bosons Decaying Via $H \rightarrow B(\bar{B})$. [Physical Review D](#), 97(3), 032007.
- 94 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Supersymmetry in Proton-Proton Collisions at 13 TeV Using Identified Top Quarks. [Physical Review D](#), 97(1), 012007.
- 95 Aaltonen, T., Abazov, V. M., Abbott, B. et al. (2018). Combined Forward-Backward Asymmetry Measurements in Top-Antitop Quark Production at the Tevatron. [Physical Review Letters](#), 120(4), 042001.
- 96 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Azimuthal Anisotropy of Charged Particles With Transverse Momentum up to 100 GeV/c in PbPb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. [Physics Letters B](#), 776, 195-216.
- 97 Acharya, S., Adam, J., Adamova, D. et al. (2018). Constraining the Magnitude of the Chiral Magnetic Effect With Event Shape Engineering in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. [Physics Letters B](#), 777, 151-162.
- 98 Acharya, S., Adamova, D., Aggarwal, M. M. et al. (2018). First Measurement of Jet Mass in Pb-Pb and P-Pb Collisions at the LHC. [Physics Letters B](#), 776, 249-264.
- 99 Adamova, D., Aggarwal, M. M., Rinella, G. A. et al. (2018). J/Psi Production as a Function of Charged-Particle Pseudorapidity Density in P-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. [Physics Letters B](#), 776, 91-104.
- 100 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurements of $T(\bar{T})$ Cross Sections in Association With B Jets and Inclusive Jets and Their Ratio Using Dilepton Final States in Pp Collisions at $\sqrt{s}=13$ TeV. [Physics Letters B](#), 776, 355-378.
- 101 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Heavy Resonances Decaying to a Top Quark and a Bottom Quark in the Lepton Plus Jets Final State in Proton-Proton Collisions at 13 TeV. [Physics Letters B](#), 777, 39-63.
- 102 Vergara, F., Itouga, M., Becerra, R. G., Hirai, M., Ordaz-Ortiz, J. J. & Winkler, R. (2018). Funaria Hygrometrica Hedw. Elevated Tolerance to D₂O: Its Use for the Production of Highly Deuterated Metabolites. [Planta](#), 247(2), 405-412.

103 Rodriguez-Flores, L., Morales-Sandoval, M., Cumplido, R., Feregrino-Urbe, C. & Algreto-Badillo, I. (2018). Compact Fpga Hardware Architecture for Public Key Encryption in Embedded Devices. [Plos One](#), 13(1), e0190939.

104 Jimenez-Lopez, D., Aguilar-Henonin, L., Gonzalez-Prieto, J. M., Aguilar-Hernandez, V. & Guzman, P. (2018). CtIs, a New Class of Ring-H2 Ubiquitin Ligases Uncovered by Yeell, a Motif Close to the Ring Domain That Is Present Across Eukaryotes. [Plos One](#), 13(1), e0190969.

105 Deberg, H. A., Zaidi, M. B., Altman, M. C. et al. (2018). Shared and Organism-Specific Host Responses to Childhood Diarrheal Diseases Revealed by Whole Blood Transcript Profiling. [Plos One](#), 13(1), e0192082.

106 Slik, J. W. F., Din, H., Metali, F. et al. (2018). Phylogenetic classification of the world's tropical forests. [Proceedings of the National Academy of Sciences of the United States of America](#), 115(8), 1837-1842.

107 Calle-Trivino, J., Cortes-Useche, C., Sellares-Blasco, R. I. & Arias-Gonzalez, J. E. (2018). Assisted fertilization of threatened Staghorn Coral to complement the restoration of nurseries in Southeastern Dominican Republic. [Regional Studies in Marine Science](#), 18, 129-134.

108 Melendez-Zajgla, J., Gaytan-Cervantes, J., Torres, A. et al. (2018). Genomics of a pediatric ovarian fibrosarcoma. Association with the DICER1 syndrome. [Scientific Reports](#), 8(1), 3252.

109 Guzman-Caballero, D. E., Quevedo-Lopez, M. A., De La Cruz, W. & Ramirez-Bon, R. (2018). Fully Patterned P-Channel Sno Tfts Using Transparent Al₂O₃ Gate Insulator and Ito as Source and Drain Contacts. [Semiconductor Science and Technology](#), 33(3), 035010.

110 Perez-Patricio, M., Camas-Anzueto, J. L., Sanchez-Alegria, A., Gutierrez-Miceli, F., Escobar-Gomez, E., Rios-Rojas, C., Grajales-Coutino, R., Aguilar-Gonzalez, A. & Voisin, Y. (2018). Optical Method for Estimating the Chlorophyll Contents in Plant Leaves. [Sensors](#), 18(2), 650.

111 Velazquez-Pupo, R., Sierra-Romero, A., Torres-Roman, D., Shkvarko, Y. V., Santiago-Paz, J., Robles-Valdez, D., Hermosillo-Reynoso, F., Romero-Delgado, M. & Gomez-Gutierrez, D. (2018). Vehicle Detection with Occlusion Handling, Tracking, and OC-SVM Classification: A High Performance Vision-Based System. [Sensors](#), 18(2), 374.

112 Treesatayapun, C. (2018). Adaptive Iterative Learning Control Based on if-Then Rules and Data-Driven Scheme for a Class of Nonlinear Discrete-Time Systems. [Soft Computing](#), 22(2), 487-497.

113 Ojeda-Mendoza, G. J., Moncho-Jorda, A., Gonzalez-Mozuelos, P., Haro-Perez, C. & Rojas-Ochoa, L. F. (2018). Evidence of electrostatic-enhanced depletion attraction in the structural properties and phase behavior of binary charged colloidal suspensions. [Soft Matter](#), 14(8), 1355-1364.

114 Herrera-Gomez, A., Cabrera-German, D., Dutoi, A. D. et al. (2018). Intensity modulation of the Shirley background of the Cr 3p spectra with photon energies around the Cr 2p edge. [Surface and Interface Analysis](#), 50(2), 246-252.

115 Flores-Renteria, D., Barradas, V. L. & Alvarez-Sanchez, J. (2018). Ectomycorrhizal Pre-Inoculation of Pinus Hartwegii and Abies Religiosa Is Replaced by Native Fungi in a Temperate Forest of Central Mexico. [Symbiosis](#), 74(2), 131-144.

116 Albavera-Mata, A., Zicovich-Wilson, C. M., Gazquez, J. L., Trickey, S. B. & Vela, A. (2018). Long-Range Exchange Limit and Dispersion in Pure Silica Zeolites. [Theoretical Chemistry Accounts](#), 137(2), 26.

117 Vaisman, C. E., Del Moral-Hernandez, O., Moreno-Campuzano, S. et al. (2018). C33-A cells transfected with E6*I or E6*II the short forms of HPV-16 E6, displayed opposite effects on cisplatin-induced apoptosis. [Virus Research](#), 247, 94-101.

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

118 Banthi-Barcenas, J. C., Sutara, F. & Hernandez-Calderon, I. (2018). Design of a quantum well based on a ZnCdSe/ZnTe type II heterostructure confined type I within ZnSe barriers. [AIP Conference Proceedings](#), 1934, 030001.

119 Alfaro-Martinez, A. & Hernandez-Calderon, I. (2018). Peculiar enhancement of the excitonic emission of CdSe/ZnSe quantum wells at ~ 90 K when excited with a HeCd laser. [AIP Conference Proceedings](#), 1934, 030005.

120 Hernandez-Garcia, L. F., Basilio-Ortiz, J. C., Sutara, F. & Hernandez-Calderon, I. (2018). Photoluminescence study of the excitation power dependence of the peak intensities of an asymmetric double quantum well. [AIP Conference Proceedings](#), 1934, 030003.

121 Elizondo, G. & Vega, L. (2018). Ubiquitination/sumoylation: An alternative pathway to modify gene regulation directed by xenosensors: Mechanistic Toxicology: Metabolic Disruption in Environmental Diseases. [Current Opinion in Toxicology](#), 8, 81-86.

122 Venkatesan, R., Velumani, S., Ordon, K., Makowska-Janusik, M., Corbel, G. & Kassiba, A. (2018). Structural and morphological data of RF-Sputtered BiVO4 thin films. [Data in Brief](#), 17, 526-528.

123 Kalman, J. & Hernandez, O. (2018). The making of survival: technology, literacy and learning in two microenterprises in Mexico City. [Information Technologies & International Development](#), 14, 81-95.

124 Cervini-Silva, J., Munoz, M. L., Palacios, E., Jimenez-Lopez, J. C. & Romano-Pacheco, A. (2018). Ageing and preservation of HgS-enriched ancient human remains deposited in confinement. [Journal of Archaeological Science-Reports](#), 18, 562-567.

125 Gonzalez-Mariscal, L., Raya-Sandino, A., Gonzalez-Gonzalez, L. u. & Hernandez-Guzman, C. (2018). Relationship between G proteins coupled receptors and tight junctions. [Tissue Barriers](#), 6(1), e1414015.

13

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

126 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Dark Matter and Unparticles in Events With a Z Boson and Missing Transverse Momentum in Proton-Proton Collisions at Root S = 13 Tev (Vol 9, 106, 2017). [Journal of High Energy Physics](#), (1), 056.

127 Monfil, T., Roque, R. A. V., Camacho-Abrego, I., Tendilla-Beltran, H., Iannitti, T., Meneses-Morales, I., Aguilar-Alonso, P., Flores, G. & Morales-Medina, J. C. (2018). Hyper-Response to Novelty Increases C-Fos Expression in the Hippocampus and Prefrontal Cortex in a Rat Model of Schizophrenia (Vol 43, Pg 441, 2018). [Neurochemical Research](#), 43(2), 449.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

128 Falcon-Boyano, D., Mesquita, T. R., Salazar-Enciso, R., Kobeissy, H., Rueda, A., Lopez-Andres, N., Gomez Gomez, A. M. & Benitah, J. P. (2018). Cardiac CaV1.2 Signature Induced by Mineralocorticoid in Vessels. [Biophysical Journal](#), 114(3, S1), 627a.

129 Carbajal-Tinoco, M. D., Granados-Ramirez, C. G. & Benitez-Cardoza, C. G. (2018). A Coarse-Grained Model of Circular Dichroism of Proteins. [Biophysical Journal](#), 114(3, S1), 174a.

130 Caba-Sanchez, L. C., Vega, R., Ortega, A. M., Felix, R. & Soto, E. (2018). Minocycline and Doxycycline Inhibit ASIC Currents in Dorsal Root Ganglion Neurons. [Biophysical Journal](#), 114(3, S1), 490a.

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

131 Vadillo, E., Dorantes-Acosta, E., Pelayo, R. & Schnoor, M. (2018). T cell acute lymphoblastic leukemia (T-ALL): New insights into the cellular origins and infiltration mechanisms common and unique among hematologic malignancies. [Blood Reviews](#), 32(1), 36-51.

132 Silva-Martinez, G. A., Zaina, S. & Lund, G. (2018). Array Probe Density and Pathobiological Relevant CpG Calling Bias in Human Disease and Physiological Dna Methylation Profiling. [Briefings in Functional Genomics](#), 17(1), 42-48.

1353 Martinez-Calvillo, S., Romero-Meza, G., Vizuet-De-Rueda, J. C., Florencio-Martinez, L. E., Manning-Cela, R. & Nepomuceno-Mejia, T. (2018). Epigenetic Regulation of Transcription in Trypanosomatid Protozoa. [Current Genomics](#), 19(2), 140-149.

134 Hoffman, K. L. & Cano-Ramirez, H. (2018). Lost in Translation? A Critical Look at the Role That Animal Models of Obsessive Compulsive Disorder Play in Current Drug Discovery Strategies. [Expert Opinion on Drug Discovery](#), 13(3), 211-220.

135 Gonzalez-Hernandez, A., Marichal-Cancino, B. A., MaassenVanDenBrink, A. & Villalon, C. M. (2018). Side effects associated with current and prospective antimigraine pharmacotherapies. [Expert Opinion on Drug Metabolism & Toxicology](#), 14(1), 25-41.

136 Chi-Castaneda, D. & Ortega, A. (2018). Glial Cells in the Genesis and Regulation of Circadian Rhythms. [Frontiers in Physiology](#), 9, 88.

137 Mota-Morales, J. D., Sanchez-Leija, R. J., Carranza, A., Pojman, J. A., Del Monte, F. & Luna-Barcenas, G. (2018). Free-radical polymerizations of and in deep eutectic solvents: Green synthesis of functional materials. [Progress in Polymer Science](#), 78, 139-153.

138 Schnoor, M., Stradal, T. E. & Rottner, K. (2018). Cortactin: Cell Functions of a Multifaceted Actin-Binding Protein. [Trends in Cell Biology](#), 28(2), 79-98.

Última actualización: Junio 28, 2015. 11:55 a.m.

ARTÍCULOS DEL MES DE MARZO DE 2018

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

1. Abraham-Juarez, M. D., Espitia-Vazquez, I., Guzman-Mendoza, R., Olalde-Portugal, V., Ruiz-Aguilar, G. M. D., Garcia-Hernandez, J. L., Herrera-Isidron, L. & Nunez-Palenius, H. G. (2018). Development, Yield, and Quality of Melon Fruit (*Cucumis Melo L.*) Inoculated With Mexican Native Strains of *Bacillus Subtilis* (Ehrenberg). [Agrociencia](#), *52*(1), 91-102.
2. Azcorra, H., Rodriguez, L., Banik, S. D., Bogin, B., Dickinson, F. & Varela-Silva, M. I. (2018). Living Conditions and Change in Age of Menarche in Adult Maya Mothers and Daughters From Yucatan, Mexico. [American Journal of Human Biology](#), *30*(2), e23087.
3. Kravchenko, V. V., Torba, S. M. & Castillo-Perez, R. (2018). A Neumann Series of Bessel Functions Representation for Solutions of Perturbed Bessel Equations. [Applicable Analysis](#), *97*(5), 677-704.
4. Ramirez-Rincon, J. A., Ares-Muzio, O., Macias, J. D., Estrella-Gutierrez, M. A., Lizama-Tzec, F. I., Oskam, G. & Alvarado-Gil, J. J. (2018). On the Use of Photothermal Techniques for the Characterization of Solar-Selective Coatings. [Applied Physics a-Materials Science & Processing](#), *124*(3), 252.
5. Padilla-Zamudio, A., Lucero-Acuna, J. A., Guerrero-German, P., Ortega-Lopez, J. & Tejeda-Mansir, A. (2018). Efficient Disruption of *Escherichia Coli* for Plasmid Dna Recovery in a Bead Mill. [Applied Sciences-Basel](#), *8*(1), 30.
6. Rubio-Montiel, C. (2018). The 4-girth-thickness of the complete graph. [Ars Mathematica Contemporanea](#), *14*(2), 319-327.
7. Valdez-Vazquez, I. & Sanchez, A. (2018). Proposal for Biorefineries Based on Mixed Cultures for Lignocellulosic Biofuel Production: a Techno-Economic Analysis. [Biofuels Bioproducts & Biorefining-Biofpr](#), *12*(1), 56-67.
8. Garcia-Viera, M. A., Sanchez-Segura, L., Chavez-Calvillo, G., Jarquin-Rosales, D. & Silva-Rosales, L. (2018). Changes in Leaf Tissue of *Carica Papaya* During Single and Mixed Infections With *Papaya Ringspot Virus* and *Papaya Mosaic Virus*. [Biologia Plantarum](#), *62*(1), 173-180.
9. Kravchenko, V. V. & Torba, S. M. (2018). A Neumann Series of Bessel Functions Representation for Solutions of Sturm-Liouville Equations. [Calcolo](#), *55*(1), 11.
10. Calderon-Olvera, R. M., Albanes-Ojeda, E. A., Garcia-Hipolito, M., Hernandez-Alcantara, J. M., Alvarez-Perez, M. A., Falcony, C. & Alvarez-Fregoso, O. (2018). Characterization of luminescent SrAl₂O₄ films doped with terbium and europium ions deposited by ultrasonic spray pyrolysis technique. [Ceramics International](#), *44*(7), 7917-7925.
11. Montes, E., Ceron, P., Guzman-Mendoza, J., Falcony, C., Vallejo, M. A. & Sosa, M. A. (2018). Effect of europium concentration on the photoluminescent and thermoluminescent properties of HfO₂:Eu³⁺ nanocrystals. [Ceramics International](#), *44*(7), 8081-8086.
12. Martinez-De Jesus, G., Ramirez-Munoz, J., Garcia-Cortes, D. & Cota, L. G. (2018). Computational Fluid Dynamics Study of Flow Induced by a Grooved High-Shear Impeller in an Unbaffled Tank. [Chemical Engineering & Technology](#), *41*(3), 580-589.

13. Pan, S., Kar, S., Saha, R., Osorio, E., Zarate, X., Zhao, L. L., Merino, G. & Chattaraj, P. K. (2018). Boron Nanowheels With Axles Containing Noble Gas Atoms: Viable Noble Gas Bound M (C) B-10(-) Clusters (M=Nb, Ta). [Chemistry-a European Journal](#), 24(14), 3590-3598.
14. Dumas, T., Guigue, M., Moisy, P. et al. (2018). Experimental Speciation of Plutonium(Iv) in Natural Seawater. [Chemistryselect](#), 3(7), 2021-2024.
15. Melchor, R. L. A., Rosales, V. G., Perez, M. C. G., Fernandez, S. P., Alvarez, G. O. & Mastache, J. M. N. (2018). Effectiveness of Carboxylic Acids From Pichia Membranifaciens Against Coffee Rust. [Ciencia E Agrotecnologia](#), 42(1), 42-50.
16. Clempner, J. B. & Poznyak, A. S. (2018). Constructing the Pareto Front for Multi-Objective Markov Chains Handling a Strong Pareto Policy Approach. [Computational & Applied Mathematics](#), 37(1), 567-591.
17. Trasvina-Arenas, C. H., Baruch-Torres, N., Cordoba-Andrade, F. J., Ayala-Garcia, V. M., Garcia-Medel, P. L., Diaz-Quezada, C., Peralta-Castro, A., Ordaz-Ortiz, J. J. & Brieba, L. G. (2018). Identification of a unique insertion in plant organellar DNA polymerases responsible for 5'-dRP lyase and strand-displacement activities: Implications for Base Excision Repair. [Dna Repair](#), 65, 1-10.
18. Perez-Yepe, E. A., Saldivar-Ceron, H. I., Villamar-Cruz, O., Perez-Plasencia, C. & Arias-Romero, L. E. (2018). p21 Activated kinase 1: Nuclear activity and its role during DNA damage repair. [Dna Repair](#), 65, 42-46.
19. Ortiz-Quisbert, M. E., Duarte-Mermoud, M. A., Milla, F., Castro-Linares, R. & Lefranc, G. (2018). Optimal Fractional Order Adaptive Controllers for Avr Applications. [Electrical Engineering](#), 100(1), 267-283.
20. Salas-Navarrete, C., Hernandez-Chavez, G., Flores, N., Martinez, L. M., Martinez, A., Bolivar, F., Barona-Gomez, F. & Gosset, G. (2018). Increasing pinosylvin production in Escherichia coli by reducing the expression level of the gene fabI-encoded enoyl-acyl carrier protein reductase. [Electronic Journal of Biotechnology](#), 33, 11-16.
21. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurements of the Pp -> Zz Production Cross Section and the Z -> 4l Branching Fraction, and Constraints on Anomalous Triple Gauge Couplings at Root S=13tev. [European Physical Journal C](#), 78(2), 165.
22. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Standard Model Production of Four Top Quarks With Same-Sign and Multilepton Final States in Proton-Proton Collisions at Root S=13tev. [European Physical Journal C](#), 78(2), 140.
23. Ramos-Jacques, A. L., Lujan-Montelongo, J. A., Silva-Cuevas, C., Cortez-Valadez, M., Estevez, M. & Hernandez-Martinez, A. R. (2018). Lead (II) removal by poly(N,N-dimethylacrylamide-co-2-hydroxyethyl methacrylate). [European Polymer Journal](#), 101, 262-272.
24. Paredes-Chi, A. A. & Castillo-Burguete, M. T. (2018). Is Participatory Action Research an innovative pedagogical alternative for training teachers as researchers? The training plan and evaluation for normal schools. [Evaluation and Program Planning](#), 68, 176-184.
25. Carrillo-Tapia, E., Garcia-Garcia, E., Herrera-Gonzalez, N. E. et al. (2018). Delayed Diagnosis in X-Linked Agammaglobulinemia and Its Relationship to the Occurrence of Mutations in Btk Non-Kinase Domains. [Expert Review of Clinical Immunology](#), 14(1), 83-93.

26. Cadavid-Aguilar, N., Gonzalez, J., Gutierrez, D., Guzman-Saenz, A. & Lara, A. (2018). Sequential Motion Planning Algorithms in Real Projective Spaces: an Approach to Their Immersion Dimension. [Forum Mathematicum](#), *30*(2), 397-417.
27. Avalos-Padilla, Y., Knorr, R. L., Javier-Reyna, R., Garcia-Rivera, G., Lipowsky, R., Dimova, R. & Orozco, E. (2018). The Conserved Escrt-Iii Machinery Participates in the Phagocytosis of Entamoeba Histolytica. [Frontiers in Cellular and Infection Microbiology](#), *8*, 53.
28. Cuellar, C. A., Valdovinos, B. D., Huidobro, N., Delgado-Lezama, R., Ornelas-Kobayashi, R. & Manjarrez, E. (2018). The Spinal Neurons Exhibit an on-Off and Off-on Firing Activity Around the Onset of Fictive Scratching Episodes in the Cat. [Frontiers in Cellular Neuroscience](#), *12*, 68.
29. Alvarez-Jimenez, V. D., Leyva-Paredes, K., Garcia-Martinez, M. et al. (2018). Extracellular Vesicles Released From Mycobacterium Tuberculosis-Infected Neutrophils Promote Macrophage Autophagy and Decrease Intracellular Mycobacterial Survival. [Frontiers in Immunology](#), *9*, 272.
30. Genoula, M., Franco, J. L. M., Dupont, M. et al. (2018). Formation of Foamy Macrophages by Tuberculous Pleural Effusions Is Triggered by the Interleukin-10/Signal Transducer and Activator of Transcription 3 Axis Through Acat Upregulation. [Frontiers in Immunology](#), *9*, 459.
31. Debnath, A., Nelson, A. T., Silva-Olivares, A., Shibayama, M., Siegel, D. & Mckerrow, J. H. (2018). In Vitro Efficacy of Ebselen and Bay 11-7082 Against Naegleria Fowleri. [Frontiers in Microbiology](#), *9*, 414.
32. Marelja, Z., Leimkuhler, S. & Missirlis, F. (2018). Iron Sulfur and Molybdenum Cofactor Enzymes Regulate the Drosophila Life Cycle by Controlling Cell Metabolism. [Frontiers in Physiology](#), *9*, 50.
33. Araujo-Pardo, M. G., Montellano-Ballesteros, J. J., Rubio-Montiel, C. & Strausz, R. (2018). On the Pseudoachromatic Index of the Complete Graph Iii. [Graphs and Combinatorics](#), *34*(2), 277-287.
34. Alcala, A. C., Perez, K., Blanco, R., Gonzalez, R., Ludert, J. E., Liprandi, F. & Vizzi, E. (2018). Molecular Detection of Human Enteric Viruses Circulating Among Children With Acute Gastroenteritis in Valencia, Venezuela, Before Rotavirus Vaccine Implementation. [Gut Pathogens](#), *10*, 6.
35. Lastra, G., Balderrama, V. S., Resendiz, L., Pallares, J., Garduno, S. I., Cabrera, V., Marsal, L. F. & Estrada, M. (2018). High-Performance Inverted Polymer Solar Cells: Study and Analysis of Different Cathode Buffer Layers. [Ieee Journal of Photovoltaics](#), *8*(2), 505-511.
36. Treesatayapun, C. (2018). Discrete-Time Adaptive Controller for Unfixed and Unknown Control Direction. [Ieee Transactions on Industrial Electronics](#), *65*(7), 5367-5375.
37. Rubio-Loyola, J., Aguilar-Fuster, C., Toscano-Pulido, G., Mijumbi, R. & Serrat-Fernandez, J. (2018). Enhancing metaheuristic-based online embedding in network visualization environments. [Ieee Transactions on Network and Service Management](#), *15*(1), 200-216.
38. Tian, T., Kestelyn, X., Thomas, O., Amano, H. & Messina, A. R. (2018). An Accurate Third-Order Normal Form Approximation for Power System Nonlinear Analysis. [Ieee Transactions on Power Systems](#), *33*(2), 2128-2139.

39. Lopez-Arzate, E., Tirado-Mendez, J. A., Caltenco-Franca, J., Flores-Leal, R., Jardon-Aguilar, H. & Peyrot-Solis, M. A. (2018). Ultra-Wideband Directive Antenna Based on an Inclined Cone Body. [Int Microwaves Antennas & Propagation](#), 12(3), 339-345.
40. Hernandez-Ancheyta, L., Salinas-Tobon, M. R., Cifuentes-Goches, J. C. & Hernandez-Sanchez, J. (2018). Trichinella spiralis muscle larvae excretory-secretory products induce changes in cytoskeletal and myogenic transcription factors in primary myoblast cultures. [International Journal for Parasitology](#), 48, 275-285.
41. Rivera, J., Duenas, I., Ortega, S. & Del Valle, J. L. (2018). Field-Programmable Analogue Arrays for the Sensorless Control of Dc Motors. [International Journal of Electronics](#), 105(2), 191-210.
42. Melendez-Vazquez, F., Martinez-Fuentes, O. & Martinez-Guerra, R. (2018). Fractional fault-tolerant dynamical controller for a class of commensurate-order fractional systems. [International Journal of Systems Science](#), 49(1), 196-210.
43. Camacho-Espinosa, E., Rimmaudo, I., Riech, I., Mis-Fernandez, R. & Pena, J. L. (2018). Stability of Sputter Deposited Cuprous Oxide (Cu₂O) Subjected to Ageing Conditions for Photovoltaic Applications. [Journal of Applied Physics](#), 123(8), 085301.
44. Elyukhin, V. A. (2018). Weakly strained highly mismatched B_xIn_{1-x}B_yV_{1-y}As_{1-y} (B V = Sb, Bi) alloys. [Journal of Applied Physics](#), 123 (16), 161564.
45. Pereira, D. G., Salgado, M. A. R., Rocha, S. C., Santos, H. L., Villar Jafp, Contreras, R. G., Fontes, C. F. L., Barbosa, L. A. & Cortes, V. F. (2018). Involvement of Src Signaling in the Synergistic Effect Between Cisplatin and Digoxin on Cancer Cell Viability. [Journal of Cellular Biochemistry](#), 119(4), 3352-3362.
46. Franco-Perez, M., Gazquez, J. L., Ayers, P. W. & Vela, A. (2018). Thermodynamic Justification for the Parabolic Model for Reactivity Indicators With Respect to Electron Number and a Rigorous Definition for the Electrophilicity: the Essential Role Played by the Electronic Entropy. [Journal of Chemical Theory and Computation](#), 14 (2), 597-606.
47. Ricca, C., Labat, F., Zavala, C., Russo, N., Adamo, C., Merino, G. & Sicilia, E. (2018). B,N-Codoped Graphene as Catalyst for the Oxygen Reduction Reaction: Insights From Periodic and Cluster Dft Calculations. [Journal of Computational Chemistry](#), 39(11), 637-647.
48. Abeysekara, A. U., Collaboration, H., Albert, A. et al. (2018). A Search for Dark Matter in the Galactic Halo With HAWC. [Journal of Cosmology and Astroparticle Physics](#), (2), 049.
49. Bonasia, R., Areu-Rangel, O. S., Tolentino, D., Mendoza-Sanchez, I., Gonzalez-Cao, J. & Klapp, J. (2018). Flooding Hazard Assessment at Tulancingo (Hidalgo, Mexico). [Journal of Flood Risk Management](#), 11, S1116-S1124.
50. Arambula-Villa, G., Figueroa-Rivera, M. G., Rendon-Villalobos, R., Mendoza-Elos, M., Figueroa-Cardenas, J. D., Castanedo-Perez, R. & Rodriguez-Gonzalez, F. (2018). Chemical Acetylation of Nixtamalized Maize Flour and Structural, Rheological and Physicochemical Properties of Flour, Dough and Tortillas. [Journal of Food Science and Technology-Mysore](#), 55(3), 1065-1073.
51. Hernandez-Martinez, G. R., Ortiz-Alvarez, D., Perez-Roa, M., Urbina-Suarez, N. A. & Thalasso, F. (2018). Multiparameter analysis of activated sludge inhibition by nickel, cadmium, and cobalt. [Journal of Hazardous Materials](#), 351, 63-70.

52. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Constraintson the Double-Parton Scattering Cross Section From Same-Sign W Boson Pair Production in Proton-Proton Collisions at Root S=8tev. [Journal of High Energy Physics](#), (2), 32.
53. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Supersymmetry in Events With at Least Three Electrons or Muons, Jets, and Missing Transverse Momentum in Proton-Proton Collisions at Root S=13 Tev. [Journal of High Energy Physics](#), (2), 67.
54. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Zz Resonances in the 212v Final State in Proton-Proton Collisions at 13 Tev. [Journal of High Energy Physics](#), (3), 003.
55. Quinones-Galvan, J. G., Lozada-Morales, R., Camps, E. et al. (2018). Pulsed Laser Deposition of Zinc Vanadates From a ZnV2o6 Target. [Journal of Laser Applications](#), 30(1), 012007.
56. Arreguin-Campos, M., Campos-Gonzalez, E., Guillen-Cervantes, A., Santos-Cruz, J., Mayon-Hernandez, S. A., Zelaya-Angel, O., Olvera, M. L., Contreras-Puente, G. & De Moure-Flores, F. (2018). Synthesis of Paramelaconite Nanoparticles by Laser Ablation. [Journal of Laser Applications](#), 30(1), 012012.
57. Jasso-Fuentes, H., Menaldi, J. L., Prieto-Rumeau, T. & Robin, M. (2018). Discrete-time hybrid control in Borel spaces: Average cost optimality criterion. [Journal of Mathematical Analysis and Applications](#), 462(2), 1695-1713.
58. Ortiz, M., Winfield, I. & Ardisson, P. L. (2018). A New Deep-Sea Psammogammarus Species (Crustacea: Amphipoda: Eriopisidae) From the Continental Slope of the Se Gulf of Mexico. [Journal of Natural History](#), 52(1-2), 13-28.
59. Romero-Chavez, M. M., Pineda-Urbina, K., Perez, D. J., Obledo-Benicio, F., Flores-Parra, A., Gomez-Sandoval, Z. & Ramos-Organillo, A. (2018). Organotin(IV) compounds derived from ibuprofen and cinnamic acids, an alternative into design of anti-inflammatory by the cyclooxygenases (COX-1 and COX-2) pathway. [Journal of Organometallic Chemistry](#), 862, 58-70.
60. Rangel-Castaneda, I. A., Hernandez-Hernandez, J. M., Perez-Rangel, A., Gonzalez-Pozos, S., Carranza-Rosales, P., Charles-Nino, C. L., Tapia-Pastrana, G., Ramirez-Herrera, M. A. & Castillo-Romero, A. (2018). Amoebicidal Activity of Curcumin on Entamoeba Histolytica Trophozoites. [Journal of Pharmacy and Pharmacology](#), 70(3), 426-433.
61. Orozco-Valencia, U., Gazquez, J. L. & Vela, A. (2018). Role of Reaction Conditions in the Global and Local Two Parabolas Charge Transfer Model. [Journal of Physical Chemistry A](#), 122(6), 1796-1806.
62. Villa-Cortes, S. & Baquero, R. (2018). On the calculation of the inverse isotope effect in PdH(D): A Migdal-Eliashberg theory approach. [Journal of Physics and Chemistry of Solids](#), 119, 80-84.
63. Camacho-Arroyo, I., Gonzalez-Arenas, A., Jimenez-Arellano, C., Morimoto, S., Galvan-Rosas, A., Gomora-Arrati, P., Garcia-Juarez, M. & Gonzalez-Flores, O. (2018). Sex hormone levels and expression of their receptors in lactating and lactating pregnant rats. [Journal of Steroid Biochemistry and Molecular Biology](#), 178, 213-220.
64. Lopez-Castillo, L. M., Silva-Fernandez, S. E., Winkler, R., Bergvinson, D. J., Arnason, J. T. & Garcia-Lara, S. (2018). Postharvest insect resistance in maize. [Journal of Stored Products Research](#), 77, 66-76.
65. Tristan-Flores, F. E., Guzman, P., Ortega-Kermedy, M. S. et al. (2018). Liver X Receptor-Binding Dna Motif Associated With Atherosclerosis-Specific Dna Methylation Profiles of Alu Elements and Neighboring Cpg Islands. [Journal of the American Heart Association](#), 7(3), e007686.

66. Dawson, D. A. & Gorostiza, L. G. (2018). Transience and Recurrence of Random Walks on Percolation Clusters in an Ultrametric Space. [Journal of Theoretical Probability](#), 31(1), 494-526.
67. Galindo-Torres, P., Garcia-Gasca, A., Llera-Herrera, R., Escobedo-Fregoso, C., Abreu-Goodger, C. & Ibarra, A. M. (2018). Sex determination and differentiation genes in a functional hermaphrodite scallop, *Nodipecten subnodosus*. [Marine Genomics](#), 37, 161-175.
68. Fernandez-Benavides, D. A., Gutierrez-Perez, A. I., Benitez-Castro, A. M., Ayala-Ayala, M. T., Moreno-Murguía, B. & Muñoz-Saldana, J. (2018). Comparative study of ferroelectric and piezoelectric properties of Bnt-Bkt-Bt ceramics near the phase transition zone. [Materials](#), 11, 361.
69. Rincon-Lopez, J. A., Hermann-Munoz, J. A., Giraldo-Betancur, A. L., De Vizcaya-Ruiz, A., Alvarado-Orozco, J. M. & Muñoz-Saldana, J. (2018). Synthesis, characterization and In vitro study of synthetic and bovine-derived hydroxyapatite ceramics: a comparison. [Materials](#), 11, 333.
70. Padron-Hernandez, W. Y., Ceballos-Chuc, M. C., Pourjafari, D., Oskam, G., Tinoco, J. C., Martinez-Lopez, A. G. & Rodriguez-Gattorno, G. (2018). Stable inks for inkjet printing of TiO₂ thin films. [Materials Science in Semiconductor Processing](#), 81, 75-81.
71. Alvarez-Coronado, E. G., Gonzalez, L. A., Rendon-Angeles, J. C., Melendez-Lira, M. A. & Ramirez-Bon, R. (2018). Study of the structure and optical properties of Cu and Mn in situ doped ZnS films by chemical bath deposition. [Materials Science in Semiconductor Processing](#), 81, 68-74.
72. Jimenez-Vaca, A. L., Benitez-King, G., Ruiz, V. et al. (2018). Exfoliated Human Olfactory Neuroepithelium: a Source of Neural Progenitor Cells. [Molecular Neurobiology](#), 55(3), 2516-2523.
73. Ramirez-Valdespino, C. A., Porras-Troncoso, M. D., Corrales-Escobosa, A. R., Wrobel, K., Martinez-Hernandez, P. & Olmedo-Monfil, V. (2018). Functional Characterization of Tvcyt2, a Member of the P450 Monooxygenases From *Trichoderma Virens* Relevant During the Association With Plants and Mycoparasitism. [Molecular Plant-Microbe Interactions](#), 31(3), 289-298.
74. Bernal, T., Fernandez-Hernandez, L. M., Matos, T. & Rodriguez-Meza, M. A. (2018). Rotation Curves of High-Resolution Lsb and Sparc Galaxies With Fuzzy and Multistate (Ultralight Boson) Scalar Field Dark Matter. [Monthly Notices of the Royal Astronomical Society](#), 475(2), 1447-1468.
75. Aguilar-Roblero, R., Mejia-Lopez, A., Cortes-Pedroza, D., Chavez-Juarez, J. L., Gutierrez-Monreal, M. A., Dominguez, G., Vergara, P. & Segovia, J. (2018). Calcium-Regulated Chloride Channel Anoctamin-1 Is Present in the Suprachiasmatic Nuclei of Rats. [Neuroreport](#), 29(4), 334-339.
76. Gonzalez-Ramirez, R., Martinez-Hernandez, E., Sandoval, A., Gomez-Mora, K. & Felix, R. (2018). Regulation of the voltage-gated Ca²⁺ channel CaV alpha 2 delta-1 subunit expression by the transcription factor Egr-1. [Neuroscience Letters](#), 673, 136-141.
77. Gonzalez, J. (2018). Simplicial Complexity: Piecewise Linear Motion Planning in Robotics. [New York Journal of Mathematics](#), 24, 279-292.
78. Trejo-Moreno, C., Mendez-Martinez, M., Zamilpa, A. et al. (2018). *Cucumis sativus* aqueous fraction inhibits angiotensin II-induced inflammation and oxidative stress in vitro. [Nutrients](#), 10(3), 276.
79. Escudero-Castillo, M., Felix-Delgado, A., Silva, R., Marino-Tapia, I. & Mendoza, E. (2018). Beach erosion and loss of protection environmental services in Cancun, Mexico. [Ocean & Coastal Management](#), 156, 183-197.

80. Narayanasamy, R. K., Castanon-Sanchez, C. A., Luna-Arias, J. P., Garcia-Rivera, G., Avendano-Borroмео, B., Labra-Barrios, M. L., Valdes, J., Herrera-Aguirre, M. E. & Orozco, E. (2018). The Entamoeba Histolytica Tbp and Trf1 Transcription Factors Are Gaac-Box Binding Proteins, Which Display Differential Gene Expression Under Different Stress Stimuli and During the Interaction With Mammalian Cells. [Parasites & Vectors](#), *11*, 153.
81. Gonzalez-Pedrerros, G. I. & Baquero, R. (2018). Superconducting critical temperature under pressure. [Physica C-Superconductivity and Its Applications](#), *548*, 132-137.
82. Guillermo, G., Sagan, D. & Zimmermann, F. (2018). Examining Mitigation Schemes for Synchrotron Radiation in High-Energy Hadron Colliders. [Physical Review Accelerators and Beams](#), *21*(2), 021001.
83. Acharya, S., Adam, J., Adamova, D. et al. (2018). Production of Deuterons, Tritons, He-3 Nuclei, and Their Antinuclei in Pp Collisions at Root S=0.9, 2.76, And 7 Tev. [Physical Review C](#), *97*(2), 024615.
84. Acharya, S., Adam, J., Adamova, D. et al. (2018). Systematic Studies of Correlations Between Different Order Flow Harmonics in Pb-Pb Collisions at Root S(Nn)=2.76 Tev. [Physical Review C](#), *97*(2), 024906.
85. Escamilla, A., Bouzas, A. O. & Larios, F. (2018). Single-Top Production at Linear E(-) E(+) Colliders. [Physical Review D](#), *97*(3), 033004.
86. Arroyo-Urena, M. A., Tavares-Velasco, G. & Hernandez-Tome, G. (2018). Weak Dipole Moments of the Tau Lepton in Models With an Extended Scalar Sector. [Physical Review D](#), *97*(1), 013006.
87. Acharya, S., Adamova, D., Adolfsson, J. et al. (2018). D-Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions Root S-Nn=5.02 Tev. [Physical Review Letters](#), *120*(10), 102301.
88. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. [Physical Review Letters](#), *120*(7), 071802.
89. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in Pp and P Plus Pb Collisions at the Lhc. [Physical Review Letters](#), *120*(9), 092301.
90. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at Root S=13 Tev. [Physical Review Letters](#), *120*(8), 081801.
91. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Measurement of the Associated Production of a Single Top Quark and a Z Boson in pp Collisions at Root s = 13 Tev. [Physics Letters B](#), *779*, 358-384.
92. Acharya, S., Adamov+k, D., Adolfsson, J. et al. (2018). Search for collectivity with azimuthal J/Psi-hadron correlations in high multiplicity p-Pb collisions at sNN=5.02 and 8.16 TeV. [Physics Letters B](#), *780*, 7-20.
93. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Gauge-Mediated Supersymmetry in Events with at Least One Photon and Missing Transverse Momentum in pp Collisions at Root s = 13 Tev. [Physics Letters B](#), *780*, 118-143.

94. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Higgs Boson Pair Production in Events With Two Bottom Quarks and Two Tau Leptons in Proton-Proton Collisions at Root S=13 Tev. [Physics Letters B, 778](#), 101-127.
95. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for Pair Production of Excited Top Quarks in the Lepton Plus Jets Final State the Cms Collaboration. [Physics Letters B, 778](#), 349-370.
96. Adam, W., Asilar, E., Bergauer, T. et al. (2018). Search for pair production of vector-like quarks in the $b\bar{W}b$ Over- \bar{W} channel from proton-proton collisions at root S=13 Tev. [Physics Letters B, 779](#), 82-106.
97. Adam, W., Asilar, E., Bergauer, T. et al. (2018). Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at root S=13 Tev. [Physics Letters B, 779](#), 166-190.
98. Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2018). Search for the Pair Production of Third-Generation Squarks With Two-Body Decays to a Bottom or Charm Quark and a Neutralino in Proton-Proton Collisions at Root S=13 Tev. [Physics Letters B, 778](#), 263-291.
99. Garduno-Gutierrez, R., Leon-Olea, M. & Rodriguez-Manzo, G. (2018). Opioid receptor and Beta-arrestin2 densities and distribution change after sexual experience in the ventral tegmental area of male rats. [Physiology & Behavior, 189](#), 107-115.
100. Villanueva-Lizama, L. E., Cruz-Chan, J. V., Aguilar-Cetina, A. D. et al. (2018). Trypanosoma Cruzi Vaccine Candidate Antigens Tc24 and Tsa-1 Recall Memory Immune Response Associated With Hla-a and -B Supertypes in Chagasic Chronic Patients From Mexico. [Plos Neglected Tropical Diseases, 12](#)(1), e0006240.
101. Sanchez-Sandoval, A. L., Carrillo, Z. H., Velasquez, C. E. D., Delgadillo, D. M., Rivera, H. M. & Gomora, J. C. (2018). Contribution of S4 Segments and S4-S5 Linkers to the Low-Voltage Activation Properties of T-Type Ca(V)3.3 Channels. [Plos One, 13](#)(2), e0193490.
102. Nieto-Vera, R., Kahuam-Lopez, N., Meneses, A., Cruz-Martinez, Y., Anaya-Jimenez, R. M., Liy-Salmeron, G., Carvajal, H. G., Ponce-Lopez, M. T. & Ibarra, A. (2018). Copolymer-1 Enhances Cognitive Performance in Young Adult Rats. [Plos One, 13](#)(3).
103. Reyes-Valdes, M. H., Burgueno, J., Singh, S., Martinez, O. & Sansaloni, C. P. (2018). An Informational View of Accession Rarity and Allele Specificity in Germplasm Banks for Management and Conservation. [Plos One, 13](#)(2), e0193346.
104. Leon-De La O, D. I., Thorsteinsdottir, H. & Calderon-Salinas, J. V. (2018). The Rise of Health Biotechnology Research in Latin America: a Scientometric Analysis of Health Biotechnology Production and Impact in Argentina, Brazil, Chile, Colombia, Cuba and Mexico. [Plos One, 13](#)(2), e0191267.
105. Toledo-Leyva, A., Villegas-Pineda, J. C., Encarnacion-Guevara, S., Gallardo-Rincon, D. & Talamas-Rohana, P. (2018). Effect of Ovarian Cancer Ascites on Skov-3 Cells Proteome: New Proteins Associated With Aggressive Phenotype in Epithelial Ovarian Cancer. [Proteome Science, 16](#), 3.
106. Aguirre-Aguirre, D., Carrasco, E., Izazaga-Perez, R. et al. (2018). Megara Optics: Sub-Aperture Stitching Interferometry for Large Surfaces. [Publications of the Astronomical Society of the Pacific, 130](#)(986), 045001.

107. Rojas, D. C., Schmitter-Soto, J. J., Aguilar-Perera, A. et al. (2018). Diversity of Native Reef Fish Communities in Two Protected Areas in the Caribbean Sea and Its Relationship to the Invasive Lionfish. [Revista De Biología Tropical](#), *66*(1), 189-203.
108. Torruco, D., Gonzalez-Solis, A. & Torruco-Gonzalez, A. D. (2018). Fish Diversity, Distribution and Their Relationship With Environmental Variables in Southern Gulf of Mexico. [Revista De Biología Tropical](#), *66*(1), 438-456.
109. Peredo-Ortiz, R. & Hernandez-Contreras, M. (2018). Diffusion Microrheology of Ferrofluids. [Revista Mexicana De Fisica](#), *64*(1), 82-93.
110. Campos-Gonzalez, E., Becerril, M., Santoyo-Salazar, J., Silva-Lopez, H., De Moure-Flores, F. & Zelaya-Angel, O. (2018). Optical Characterization of Cdte Nanoparticles Embedded in a Nanoparticulate SnO₂ Matrix. [Revista Mexicana De Fisica](#), *64* (1), 61-66.
111. Bayro-Corrochano, E., Lechuga-Gutierrez, L. & Garza-Burgos, M. (2018). Geometric techniques for robotics and HMI: Interpolation and haptics in conformal geometric algebra and control using quaternion spike neural networks. [Robotics and Autonomous Systems](#), *104*, 72-84.
112. Meroni, S. M. P., Mouhamad, Y., De Rossi, F. et al. (2018). Homogeneous and highly controlled deposition of low viscosity inks and application on fully printable perovskite solar cells. [Science and Technology of Advanced Materials](#), *19*(1), 1-9.
113. Ramirez-Perez, L. J., Morales-Diaz, A. B., Benavides-Mendoza, A., De-Alba-Romenus, K., Gonzalez-Morales, S. & Juarez-Maldonado, A. (2018). Dynamic modeling of cucumber crop growth and uptake of N, P and K under greenhouse conditions. [Scientia Horticulturae](#), *234*, 250-260.
114. Gutierrez-Ramos, S., Hoyos, M. & Ruiz-Suarez, J. C. (2018). Induced Clustering of Escherichia Coli by Acoustic Fields. [Scientific Reports](#), *8*, 4668.
115. Moran-Lazaro, J. P., Guillen-Lopez, E. S., Lopez-Urias, F. et al. (2018). Synthesis of ZnMn₂O₄ nanoparticles by a microwave-assisted colloidal method and their evaluation as a gas sensor of propane and carbon monoxide. [Sensors](#), *18*(3), 701.
116. Ruiz, G., Valencia-Gonzalez, H. A., Leon-Galicia, I., Garcia-Villa, E., Garcia-Carranca, A. & Gariglio, P. (2018). Inhibition of Rad51 by Sirna and Resveratrol Sensitizes Cancer Stem Cells Derived From Hela Cell Cultures to Apoptosis. [Stem Cells International](#), *2018*, 2493869.
117. Bautista-Hernandez, C. I., Negron-Silva, G. E., Santillan, R., Vergara-Arenas, B. I., Angeles-Beltran, D., Lomas-Romero, L. & Perez-Martinez, D. (2018). Design and synthesis of new carbohydrate-lithocholic acid conjugates linked via 1,2,3-triazole rings. [Tetrahedron](#), *74*(16), 2009-2019.
118. Vasquez-Perez, J. M., Koster, A. M. & Calaminici, P. (2018). The Melting Limit in Sodium Clusters. [Theoretical Chemistry Accounts](#), *137*(3), 45.
119. Willars-Rodriguez, F. J., Chavez-Urbiola, I. R., Hernandez-Landaverde, M. A., Vorobiev, P., Ramirez-Bon, R. & Vorobiev, Y. V. (2018). Effects of tin-doping on cadmium sulfide (CdS:Sn) thin-films grown by light-assisted chemical bath deposition process for solar photovoltaic cell. [Thin Solid Films](#), *653*, 341-349.
120. Cruz-Hurtado, M., Lopez-Gonzalez, M. L., Escobar-Wilches, D. C. & Sierra-Santoyo, A. (2018). Analysis of 3',5'-dichloro-2,3,4-trihydroxy-2-methylbutylanilide (DTMBA) as a new potential biomarker of exposure to vinclozolin in urine. [Toxicology and Applied Pharmacology](#), *346*, 1-8.

121. Acuna-Hernandez, D. G., Arreola-Mendoza, L., Santacruz-Marquez, R., Garcia-Zepeda, S. P., Parra-Forero, L. Y., Olivares-Reyes, J. A. & Hernandez-Ochoa, I. (2018). Bisphenol A alters oocyte maturation by prematurely closing gap junctions in the cumulus cell-oocyte complex. [Toxicology and Applied Pharmacology](#), *344*, 13-22.
122. Hernandez-Cortes, D., Alvarado-Cruz, I., Solis-Heredia, M. J. & Quintanilla-Vega, B. (2018). Epigenetic modulation of Nrf2 and Ogg1 gene expression in testicular germ cells by methyl parathion exposure. [Toxicology and Applied Pharmacology](#), *346*, 19-27.
123. Poplavsky, A. I., Kolpakov, A. Y., Kudriavtsev, Y., Asomoza, R., Goncharov, I. Y., Galkina, M. E., Manokhin, S. S. & Kharchenko, V. A. (2018). Effect of nitrogen ion irradiation parameters on properties of nitrogen-containing carbon coatings prepared by pulsed vacuum arc deposition method. [Vacuum](#), *152*, 193-199.

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

124. Cardenas-Guerra, R. E., Martinez-Castillo, M., Ortega-Lopez, J., Shibayama, M. & Arroyo, R. (2018). Dataset of cathepsin L-like CP inhibition of *Naegleria fowleri* and *Acanthamoeba castellanii* by ppTvCP4r from *Trichomonas vaginalis*. [Data in Brief](#), *18*, 404-408.
125. Izquierdo-Marquez, I. & Torres-Jimenez, J. (2018). New Optimal Covering Arrays Using an Orderly Algorithm. [Discrete Mathematics Algorithms and Applications](#), *10*(1), 1850011.
126. Polanco-Rodriguez, A. G., Riba-Lopez, M. I., DelValls-Casillas, A., Araujo-Leon, J. A. & Banik, S. D. (2018). Impact of pesticides in karst groundwater. Review of recent trends in Yucatan, Mexico. [Groundwater for Sustainable Development](#), *7*, 20-29.
127. Garcia-Curbelo, Y., Ayala-Gonzalez, L., Bocourt-Salabarría, R. et al. (2018). Prebiotic effect of agave fourcroydes agavins in pigs in the growth stage. [Livestock Research for Rural Development](#), *30*(2), 31.
128. Mendoza-Von Der Boren, T. (2018). Learning from the Problem and from the Forms of Interaction: Construction of Knowledge Related to Percentages in High School Classrooms. [Revista Colombiana De Educacion](#), *0*(74), 133-154.
129. Garcia-Garcia, A., Mendez-Vazquez, A. & Reformat, M. Z. (2018). Generation and reduction of fuzzy sets with PG-means and fuzzy similarity measures. [Studies in Computational Intelligence](#) *749*, 287-307.
130. Cruz Hernandez, H. & De la Fraga, L. G. (2018). A multi-objective robust ellipse fitting algorithm. [Studies in Computational Intelligence](#), *731*, 141-158.
131. Sanabria-Borbon, A. C., Tlelo-Cuautle, E. & De la Fraga, L. G. (2018). Optimal sizing of amplifiers by evolutionary algorithms with integer encoding and gm/ID design method. [Studies in Computational Intelligence](#), *731*, 263-279.
132. Poznyak, A. S. (2018). Stochastic sliding mode control and state estimation. [Studies in Systems, Decision and Control](#), *115*, 57-100.
133. Ochoa-Ayala, S. (2018). Body, gender and space: automotive systems in the upper middle level. [Universitas](#), *(28)*, 99-116.

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

134. Aab, A., Abreu, P., Aglietta, M. et al. (2018). Combined Fit of Spectrum and Composition Data as Measured by the Pierre Auger Observatory (Vol 4, 038, 2017). [Journal of Cosmology and Astroparticle Physics](#), (3), E02.
135. Castaneda, L., Maldonado, A., Perez, J. V., Olvera, M. D. & Torres-Torres, C. (2018). Electrical and Optical Properties of Nanostructured Indium Doped Zinc Oxide Thin Films Deposited by Ultrasonic Chemical Spray Technique, Starting From Zinc Acetylacetonate and Indium Chloride (Retraction of Vol 26, Pg 288, 2014). [Materials Science in Semiconductor Processing](#), 79, 171.
136. Tapia-Torres, Y. & Olmedo-Alvarez, G. (2018). Life on Phosphite: A Metagenomics Tale. [Trends in Microbiology](#), 26(3), 170-172.

[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS

137. Banik, S. D., Arroyo, M. M. T. & Gonzalez, R. M. M. (2018). Associations Among Nutritional Status, Body Fatness, Physical Activity, Ultra-Processed Foods in the Diet, and Selected Socioeconomic Factors in Adolescents and Adults From Merida, Yucatan: a Prospective Cohort Study. [American Journal of Human Biology](#), 30(2), P61.
138. Azcorra, H., Dickinson, F. & Vazquez-Vazquez, A. (2018). Does Maternal Grandmother Influence Grandchildren's Dietary Intake in Poor Urban Environments? [American Journal of Human Biology](#), 30(2), P48.

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

139. Rangel-Calvillo, M. N., Del Razo, L. M. & Ortiz-Robles, D. (2018). Evaluation of the transfer of metals during pregnancy from mother to baby, using newborn hair as an exposure biomarkers. [Ec Paediatrics](#), 7(4), 273-285.
140. Caba, M., Gonzalez-Mariscal, G. & Meza, E. (2018). Circadian Rhythms and Clock Genes in Reproduction: Insights From Behavior and the Female Rabbit's Brain. [Frontiers in Endocrinology](#), 9, 106.
141. El Filali, B., Titov, O. Y. & Gurevich, Y. G. (2018). Physics of charge transport in metal-monopolar (n- or p-type) semiconductor-metal structures. [Journal of Physics and Chemistry of Solids](#), 118, 14-20.
142. Vassilev-Galindo, V., Pan, S., Donald, K. J. & Merino, G. (2018). Planar Pentacoordinate Carbons. [Nature Reviews Chemistry](#), 2(2), 0114.