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## ARTÍCULOS PUBLICADOS DURANTE EL MES SEPTIEMBRE DE 2021

### PUBLICADOS EN EXTENSO EN REVISTAS DE PRESTIGIO INTERNACIONAL CON ARBITRAJE Estricto (Incluidas en JCR)

1. Durruthy-Rodriguez, M. D., Portellez-Rodriguez, J., Bentancourt, J. F., Hernandez-Garcia, M., Hernandez-Landaverde, M. A., Rodriguez-Melgarejo, F., & Yanez-Limon, J. M. (2021). Ferroelastic and Ferroelectric Phase Transition in Bulk Pb1-Xlax(Zr0.53ti0.47)O-3. [Applied Physics a-Materials Science & Processing](#), 127(9), 728.
2. Guerra-Bravo, E., Lee, H. J., Baltazar, A., & Loh, K. J. (2021). Vibration Analysis of a Piezoelectric Ultrasonic Atomizer to Control Atomization Rate. [Applied Sciences-Basel](#), 11(18), 8350.
3. Errez-Vidal, R. G., Franco-Urquijo, C. A., Rios-Rodriguez, A., Escalante-Acosta, B., Delgado-Coello, B., & Mas-Oliva, J. (2021). Nanomicellar Preparation, Hb-Atv-8, Protects Against Endothelial Dysfunction Induced by a High-Fat Diet. [Atherosclerosis](#), 331, E60.
4. Quesnel-Galvan, L. R., Torres-Duran, P. V., Elias-Vinas, D., & Verdugo-Diaz, L. (2021). Effect of Extremely Low Frequency Magnetic Fields on Oxidative Balance in Rat Brains Subjected to an Experimental Model of Chronic Unpredictable Mild Stress. [Bmc Neuroscience](#), 22(1), 52.
5. Escobar-Zepeda, A., Rosas-Escobar, P., Valdelamar, L. M., De La Torre, P., Partida-Martinez, L. P., Remegaldo, R., Sanchez-Flores, A., & Vergara, F. (2021). Distinctive Prokaryotic Microbiomes in Sympatric Plant Roots From a Yucatan Cenote. [Bmc Research Notes](#), 14(1), 333.
6. Cabrera-Luna, K., Maldonado-Bandala, E. E., Nieves-Mendoza, D., Castro-Borges, P., Perez-Cortes, P., & Escalante Garcia, J. I. (2021). Supersulfated cements based on pumice with quicklime, anhydrite and hemihydrate: Characterization and environmental impact. [Cement & Concrete Composites](#), 124, 104236.
7. Rivera-Mancilla, E., De Vries, T., Van Den Bogaerdt, A., Danser, A. H. J., Villalon, C. M., & Van Den Brink, A. M. (2021). Sex Differences in the Pharmacological Role of Trpm3 Channels and Nm2d Receptors in Human Isolated Coronary Arteries. [Cephalalgia](#), 41(1 SUPPL), 13-14.
8. Loaiza, M., Morales-Garcia, I., & Ramirez-Ortega, J. (2021). Toeplitz Operators With Homogeneous Symbols on Polyharmonic Spaces. [Complex Analysis and Operator Theory](#), 15(6), 107.
9. Turbinder, A. V., & Vasilevski, N. (2021). Poly-Analytic Functions and Representation Theory. [Complex Analysis and Operator Theory](#), 15(7), 110.
10. Campos-Mercado, E., Mendoza-Santos, E. F., Torres-Munoz, J. A., Roman-Hernandez, E., Moreno-Oliva, V. I., Hernandez-Escobedo, Q., & Perea-Moreno, A. J. (2021). Nonlinear Controller for the Set-Point Regulation of a Buck Converter System. [Energies](#), 14(18), 5760.
11. Zarate-Toledo, E., Wood, P., & Patino, R. (2021). In search of wind farm sustainability on the Yucatan coast: Deficiencies and public perception of Environmental Impact Assessment in Mexico. [Energy Policy](#), 158, 112525.
12. Shruti, V. C., Perez-Guevara, F., & Kutralam-Muniasamy, G. (2021). The Current State of Microplastic Pollution in the World's Largest Gulf and Its Future Directions. [Environmental Pollution](#), 291, 118142.
13. Sirunyan, A. M., Tumasyan, A., Adam, W., Andrejkovic, J. W., Bergauer, T. et al. (2021). Precision Luminosity Measurement in Proton-Proton Collisions at Root S=13 Tev in 2015 and 2016 at Cms. [European Physical Journal C](#), 81(9), 800.
14. Flores-Salazar, M., Arellano-Arreola, V. M., Suendra-Panikar, S., Sekhar-Reddy, K. C., Muniz-Martinez, B. A. et al. (2021). MoSe2 monolayer crystallinity improvement and phase engineering for ultrasensitive SERS detection. [FlatChem](#), 29, 100282.
15. Valdivia-Rivera, S., Herrera-Pool, I. E., Ayora-Talavera, T., Lizardi-Jimenez, M. A., Garcia-Cruz, U., Cuevas-Bernardino, J. C., Cervantes-Uc, J. M., & Pacheco, N. (2021). Kinetic, thermodynamic, physicochemical, and economical characterization of pectin from Mangifera indica L. cv. Haden residues. [Foods](#), 10(9), 2093.
16. Rojas-Mendez, K. J., Segura, L. S., Chagolla, A., Lino, B., & De La Vara, L. E. G. (2021). Voltage-Dependent Anion-Selective Channels and Other Mitochondrial Membrane Proteins Form Diverse Complexes in Beetroots Subjected to Flood-Induced Programmed Cell Death. [Frontiers in Plant Science](#), 12, 714847.
17. Lee, H. J., Guerra-Bravo, E., Baltazar, A., & Loh, K. J. (2021). Atomization Control to Improve Soft Actuation Through Vaporization. [Frontiers in Robotics and Ai](#), 8, 747440.
18. Blanco-Rodriguez, R., Hidalgo, R. C., Perez-Angel, G., & Maza, D. (2021). Critical Numerical Analysis of Quasi-Two-Dimensional Silo-Hopper Discharging. [Granular Matter](#), 23(4), 86.
19. Soto, R., Terrazas, A., Poindron, P., & Gonzalez-Mariscal, G. (2021). Regulation of maternal behavior, social isolation responses, and postpartum estrus by steroid hormones and vaginocervical stimulation in sheep. [Hormones and Behavior](#), 136, 105061.

20. Solis-Rodriguez, R., Perez-Garibay, R., Alonso-Gonzalez, O., & Mendieta-George, D. (2021). Enhancing the arsenic adsorption by controlling the zeta potential of Zn(OH)<sub>2</sub> flocs. [Journal of Environmental Chemical Engineering, 9\(5\), 106300](#).
21. Flores-Alonso, D., Linares, R., & Maceda, M. (2021). Nonlinear Extensions of Gravitating Dyons: From Nut Wormholes to Taub-Bolt Instantons. [Journal of High Energy Physics, \(9\), 104](#).
22. Vali, A., Sarker, H. P., Cervera, B. H., Rodriguez-Gutierrez, I., Hossain, M. K., Huda, M. N., Oskam, G., & Rajeshwar, K. (2021). Optical, Electrochemical, and Photoelectrochemical Behavior of Copper Pyrovanadate: a Unified Theoretical and Experimental Study. [Journal of Physical Chemistry C, 125\(36\), 19609-19620](#).
23. Ioannidis, A. G., Blanco-Portillo, J., Sandoval, K., Hagelberg, E., Barberena-Jonas, C. et al. (2021). Paths and Timings of the Peopling of Polynesia Inferred From Genomic Networks. [Nature, 597\(7877\), 522-+](#).
24. Sirunyan, A. M., Tumasyan, A., Adam, W., Andrejkovic, J. W., Bergauer, T. et al. (2021). Search for Top Squark Production in Fully Hadronic Final States in Proton-Proton Collisions at Root S=13 Tev. [Physical Review D, 104\(5\), 052001](#).
25. Villada-Balbuena, A., Ortiz-Ambriz, A., Castro-Villarreal, P., Tierno, P., Castaneda-Priego, R., & Mendez-Alcaraz, J. M. (2021). Single-File Dynamics of Colloids in Circular Channels: Time Scales, Scaling Laws and Their Universality. [Physical Review Research, 3\(3\), 033246](#).
26. Palmieri, B., Corazzari, V., Vadala, M., Vallelunga, A., Morales-Medina, J. C., & Iannitti, T. (2021). The Role of Sensory and Olfactory Pathways in Multiple Chemical Sensitivity. [Reviews on Environmental Health, 36\(3\), 319-326](#).
27. De La Torre-Robles, D., Dominguez-Serna, F., Osorio, G. L., U'ren, A. B., Bermudez, D., & Garay-Palmett, K. (2021). Frequency and Polarization Emission Properties of a Photon-Pair Source Based on a Photonic Crystal Fiber. [Scientific Reports, 11\(1\), 18092](#).
28. Del Puerto-Flores, J. A., Pena-Campos, F., Parra-Michel, R., & Del Valle-Soto, C. (2021). Carrier diversity incorporation to low-complexity near-ml detection for multicarrier systems over v2v radio channel. [Sensors, 21\(18\), 60 67](#).
29. Kudriavtsev, Y., & Asomoza, R. (2021). Comparative Analysis of Corrosion of Borosilicate Glasses in Water Vapor. [Solid State Ionics, 371, 115754](#).
30. Llano-Garcia, J., Monroy, R., Sosa-Hernandez, V. A., & Coello-Coello, C. A. (2021). COARSE-EMOA: An indicator-based evolutionary algorithm for solving equality constrained multi-objective optimization problems. [Swarm and Evolutionary Computation, 67, 100983](#).
31. Kudriavtsev, Y., & Asomoza, R. (2021). Features of semiconductor irradiation with low-energy caesium ions. [Vacuum, 194, 110592](#).