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## ARTÍCULOS PUBLICADOS DURANTE EL MES DE MARZO DE 2021

### PUBLICADOS EN EXTENSO EN REVISTAS DE PRESTIGIO INTERNACIONAL CON ARBITRAJE ESTRICTO (INCLUIDAS EN JCR)

1. Hernandez-Contreras, X. A., Zumeta-Dube, I., Gattorno, G. R., Castro, N. C., Espinola, J. L. C., & Reguera, E. (2021). Unraveling Amazing Structural Features of a Highly Efficient "Oxo-Co/Phosphate" Catalyst for Water Oxidation. [Applied Catalysis B-Environmental](#), 282, 119549.
2. Jimenez-Avalos, J. A., Arrevillaga-Boni, G., Gonzalez-Lopez, L., Garcia-Carvajal, Z. Y., & Gonzalez-Avila, M. (2021). Classical Methods and Perspectives for Manipulating the Human Gut Microbial Ecosystem. [Critical Reviews in Food Science and Nutrition](#), 61(2), 234-258.
3. Ahrari, A., Elsayed, S., Sarker, R., Essam, D., & Coello-Coello, C. A. (2021). A Heredity-Based Adaptive Variation Operator for Reinitialization in Dynamic Multi-Objective Problems. [Applied Soft Computing](#), 101, 107027.
4. Cortazar-Martinez, O., Torres-Ochoa, J. A., Rabono-Borbolla, J. G., & Herrera-Gomez, A. (2021). Oxidation Mechanism of Metallic Chromium at Room Temperature. [Applied Surface Science](#), 542, 148636.
5. De Leon-Prado, L. E., Cortes-Hernandez, D. A., EscobedoBocardo, J. C., & Hurtado-Lopez, G. F. (2021). Influence of the Heat Treatment Conditions on the Properties of Gallium-Strontium-Substituted Manganese Ferrites Designed for Magnetic Hyperthermia Applications. [Ceramics International](#), 47(5), 7069-7080.
6. Rodriguez-Hernandez, P. E., Quinones-Galvan, J. G., Melendez-Lira, M., Santos-Cruz, J., Contreras-Puente, G., Guillen-Cervantes, A., & De Moure-Flores, F. (2021). Amorphous Copper Sulfide Films Deposited by Pulsed Laser Deposition Using Pellets as Target. [Journal of Non-Crystalline Solids](#), 555, 120532.
7. Hernandez-Avila, I., Pech, D., Ocana, F. A., Arcega-Cabrera, F., & Enriquez, C. (2021). Shelf and deep-water benthic macrofauna assemblages from the western Gulf of Mexico: Temporal dynamics and environmental drivers. [Marine Environmental Research](#), 165, 105241.
8. Padilla, L. E., Solis-Lopez, J., Matos, T., & Avilez-Lopez, A. A. (2021). Consequences for the Scalar Field Dark Matter Model From the Mcgaugh Observed-Baryon Acceleration Correlation. [Astrophysical Journal](#), 909(2), 162.
9. Romero-Trejo, D., Mejia-Rodriguez, R., Sierra-Mondragon, E., Navarrete, A., Perez-Tapia, M., Gonzalez, R. O., & Segovia, J. (2021). The Systemic Administration of Neural Stem Cells Expressing an Inducible and Soluble Form of Growth Arrest Specific 1 Inhibits Mammary Gland Tumor Growth and the Formation of Metastases. [Cytotherapy](#), 23(3), 223-235.
10. Andreev, V., Baghdasaryan, A., Baty, A., Begzsuren, K., Belousov, A. et al. (2021). Measurement of Charged Particle Multiplicity Distributions in Dis at Hera and Its Implication to Entanglement Entropy of Partons: H1 Collaboration. [European Physical Journal C](#), 81(3), 212.

11. Sirunyan, A. M., Tumasyan, A., Adam, W., Ambrogi, F., Asilar, E. et al. (2021). Measurements of  $Pp \rightarrow Z\gamma$  Production Cross Sections and Constraints on Anomalous Triple Gauge Couplings at  $\sqrt{s}=13$  TeV. [European Physical Journal C](#), 81(3), 200.
12. Macias-Garcia, E., Galeana-Perez, D., Medrano-Hermosillo, J., & Bayro-Corrochano, E. (2021). Multi-Stage Deep Learning Perception System for Mobile Robots. [Integrated Computer-Aided Engineering](#), 28(2), 191-205.
13. Gutierrez-Menchaca, J., Torres-Torres, D., Barajas-Aguilar, A. H., Jimenez-Sandoval, S. J., & Garay-Tapia, A. M. (2021). Determination of Mechanical and Vibrational Properties of the Sr (Zn<sub>1-x</sub>Al<sub>x</sub>)<sub>13</sub> [Intermetallic Compound](#). *Intermetallics*, 130, 107056.
14. Sirunyan, A. M., Tumasyan, A., Adam, W., Ambrogi, F., Bergauer, T. et al. (2021). Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Leptonic  $W\gamma$  Decay Mode at  $\sqrt{s}=13$  TeV. [Journal of High Energy Physics](#), (3), 3.
15. Sirunyan, A. M., Tumasyan, A., Adam, W., Ambrogi, F., Asilar, E. et al. (2021). Search for Dark Photons in Higgs Boson Production Via Vector Boson Fusion in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV. [Journal of High Energy Physics](#), (3), 11.
16. Sirunyan, A. M., Tumasyan, A., Adam, W., Ambrogi, F., Asilar, E. et al. (2021). Search for New Physics in Top Quark Production With Additional Leptons in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV Using Effective Field Theory. [Journal of High Energy Physics](#), (3), 95.
17. Forero-Sossa, P. A., Olvera-Alvarez, I. U., Salazar-Martinez, J. D., Espinosa-Arbelaez, D. G., Segura-Giraldo, B., & Giraldo-Betancur, A. L. (2021). Biogenic Hydroxyapatite Powders: Effects of Source and Processing Methodologies on Physicochemical Properties and Bioactive Response. [Materials Characterization](#), 173, 110950.
18. Padilla, L. E., Rindler-Daller, T., Shapiro, P. R., Matos, T. & Vazquez, J. A. (2021). Core-Halo Mass Relation in Scalar Field Dark Matter Models and Its Consequences for the Formation of Supermassive Black Holes. [Physical Review D](#), 103(6), 063012.
19. Martinez, O., Arce-Rodriguez, M. L., Hernandez-Godinez, F., Escoto-Sandoval, C., Cervantes-Hernandez, F. et al. (2021). Transcriptome analyses throughout chili pepper fruit development reveal novel insights into the domestication process. [Plants-Basel](#), 10(3), 585.
20. Perez-Franco, J. C., Torres-Ruiz, J., Sosa-Hernandez, V. A., Cervantes-Diaz, R., Romero-Ramirez, S. et al. (2021). Metabolomics analysis reveals a modified amino acid metabolism that correlates with altered oxygen homeostasis in COVID-19 patients. [Scientific Reports](#), 11(1), 6350.
21. Banik, S. D. (2021). Association of Hypertension With Dietary Habits and Lipid Profile Parameters Among Dhimal Adults From Darjeeling in West Bengal, India. [American Journal of Physical Anthropology](#), 174(Si), 24.
22. Christopher, L., Azcorra, H., Dickinson, F., Kramer, K., Varela-Silva, I., & Veile, A. (2021). Differences in Growth and Body Composition Between Rural and Urban

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- Maya Children From the Yucatan Peninsula: the Importance of Early-Life Conditions. [American Journal of Physical Anthropology](#), 174(Si), 19.
23. Arcos, M. C. A., Romero, G. S., Moreno-Estrada, A., Bustamante, C. D., & Feldman, M. W. (2021). Ethical Considerations and Community Engagement Experiences of the Afromexico Genomics Project. [American Journal of Physical Anthropology](#), 174(Si), 6-7.
24. Ioannidis, A. G., Blanco-Portillo, J., Sandoval, K., Hagelberg, E., Miquel-Poblete, J. F. et al. (2021). Reconstructing Ancient Migrations From Modern Genomes Across Latin America and the Pacific. [American Journal of Physical Anthropology](#), 174(Si), 50.
25. Ioannidis, A. G., Blanco-Portillo, J., Sandoval, K., Hagelberg, E., Miquel-Poblete, J. F. et al. (2021). Reconstructing Ancient Migrations From Modern Genomes Across Latin America and the Pacific. [American Journal of Physical Anthropology](#), 174(Si), 50.
26. Avila-Calderon, E. D., Ruiz-Palma, M. D., Aguilera-Arreola, M. G., Velazquez-Guadarrama, N., Ruiz, E. A., Gomez-Lunar, Z., Witonsky, S., & Contreras-Rodriguez, A. (2021). Outer Membrane Vesicles of Gram-Negative Bacteria: an Outlook on Biogenesis. [Frontiers in Microbiology](#), 12, 557902.
27. Guzman-Sepulveda, J. R., Guzman-Cabrera, R., & Castillo-Guzman, A. A. (2021). Optical Sensing Using Fiber-Optic Multimode Interference Devices: a Review of Nonconventional Sensing Schemes. [Sensors](#), 21(5), 1862.