

Universidad Juárez Autónoma de Tabasco División Académica Multidisciplinaria de Jalpa de Méndez



Productividad Académica

Biotecnología Molecular

- 1. **Huerta-García E,** Ramos-Godinez MDP, López-Saavedra A, Alfaro-Moreno E, Gómez-Crisóstomo NP, Colín-Val Z, Sánchez-Barrera H, López-Marure R. Internalization of Titanium Dioxide Nanoparticles Is Mediated by Actin-Dependent Reorganization and Clathrin- and Dynamin-Mediated Endocytosis in H9c2 Rat Cardiomyoblasts.Chem Res Toxicol.(**2019**) Apr 15;32(4):578-588.
- 2. Arias-Vázquez PI, Tovilla-Zárate CA, Hernández-Díaz Y, **González-Castro TB**, Juárez-Rojop IE, López-Narváez ML, Bermudez-Ocaña DY, Barjau-Madrígal HA, Legorreta-Ramírez G. Short term therapeutic effects of ozone in the management of pain in knee osteoarthritis: A Meta-analysis. PM R. (**2019**) Jan 28. doi: 10.1002/pmrj.12088. PMID: 30689297
- 3. **Huerta-García E,** Zepeda-Quiroz I, Sánchez-Barrera H, Colín-Val Z, Alfaro-Moreno E, Ramos-Godinez MDP6, López-Marure R. Internalization of Titanium Dioxide Nanoparticles Is Cytotoxic for H9c2 Rat Cardiomyoblasts. Molecules. **(2018)** Aug 6;23(8). pii: E1955. doi: 10.3390/molecules23081955.
- 4. Rodríguez-Pérez JM, Posadas-Sánchez R, Blachman-Braun R, Vargas-Alarcón G, Posadas-Romero C, García-Flores E, López-Bautista F, Tovilla-Zárate CA, **González-Castro TB**, Borgonio-Cuadra VM, Pérez-Hernández N. A haplotype of the phosphodiesterase 4D (PDE4D) gene is associated with myocardia infarction and with cardiometabolic parameters: the GEA study. EXCLI J. (2018) Dec 19;17:1182-1190. doi: 10.17179/excli2018-1608. eCollection 2018. PMID: 30713479.
- 5. Solis-Medina A, Martínez-Magaña JJ, Quintanar-Jurado V, Gallegos-Silva I, Juárez-Rojop IE, Tovilla-Zárate CA, Díaz-Zagoya JC, Hernández-Díaz Y, **González-Castro TB**, López-Narváez ML, Genis-Mendoza AD, Nicolini H. Astrogliosis and decreased neural viability as consequences of early consumption of aspartame and acesulfame potassium in male Wistar rats.. Metab Brain Dis. (2018) Dec;33(6):2031-2038. doi: 10.1007/s11011-018-0310-7. PMID: 30264280.
- 6. Mendoza-Rodríguez M, **Arévalo Romero H**, Fuentes-Pananá EM, Ayala-Sumuano JT, Meza I. IL-1β induces up-regulation of BIRC3, a gene involved in chemoresistance to doxorubicin in breast cancer cells. Cancer Lett. **(2017)** Apr 1;390:39-44.
- 7. Montiel-Dávalos A, Silva Sánchez GJ, **Huerta-García E,** Rueda-Romero C, Soca Chafre G, Mitre-Aguilar IB, Alfaro-Moreno E, Pedraza-Chaverri J, López-Marure R. Curcumin inhibits activation induced by urban particulate material or titanium dioxide nanoparticles in primary human endothelial cells. PLoS One. **(2017)**
- 8. **Arévalo-Romero H**, Meza I, Vallejo-Flores G, Fuentes-Pananá EM. Helicobacter pylori CagA and IL-1β Promote the Epithelial-to-Mesenchymal Transition in a Nontransformed Epithelial Cell Model. Gastroenterol Res Pract. **(2016)**;2016:4969163
- 9. Vallejo-Flores G, Torres J, Sandoval-Montes C, **Arévalo-Romero H**, Meza I, Camorlinga-Ponce M, Torres-Morales J, Chávez-Rueda AK, Legorreta-Haquet MV, Fuentes-Pananá EM. Helicobacter pylori CagA Suppresses Apoptosis through Activation of AKT in a Nontransformed Epithelial Cell Model of Glandular Acini Formation. Biomed Res Int. (2015);2015:761501



Universidad Juárez Autónoma de Tabasco División Académica Multidisciplinaria de Jalpa de Méndez



Ciencia e Ingeniería para la Transformación Industrial

- 1. De Lira-Flores, J.A., **A. López-Molina,** C. Gutierrez-Antonio y R.Vazquez Román, (**2019).** "Optimal Plant Layout considering the Safety Instrumented System Design for Hazardous Equipment". Process Safety and Environmental Protection. 124, 97-120.
- 2. **Guerrero-Zárate, D.**, Iglesias-Silva, G. A., & Estrada-Baltazar, A. P-ρ-T Data and Derivative Properties of 3-Methylpentane, 2, 4-Dimethylpentane, and 2, 3, 4-Trimethylpentane from 283.15 to 363.15 K at Pressures up to 65 MPa. Journal of Chemical & Engineering Data, **64(12)** (2019). P.p. 6020-6030.
- 3. Valenzuela, L. M., Blé, G., Falconi, M., & **Guerrero, D.** Hopf and Bautin bifurcations in a generalized Lengyel–Epstein system. Journal of Mathematical Chemistry, **58(2)** (2020). P.p. 497-515.
- 4. **López-Molina, A**, Conde-Mejía C., Hernández-Martínez P., Aguilar-Arteaga K. y Rivera-Aguilar Z. K., **(2018).** "Microalgae Harvesting from Wastewater by Electroflocculation: Source for Biofuel Production". Recent Innovations in Chemical Engineering. 11. P.p. 90-98.
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- 6. **Conde-Mejía, C**., A. Jiménez-Gutiérrez y F. I. Gómez-Castro. Purification of bioethanol from a fermentation process: alternatives for dehydration. Computer Aided Chemical Engineering **(2016)**.38 p.p 373-378
- 7. Iglesias-Silva G. A., Rico-Ramírez V., **Guerrero-Zárate D.**, Anas M. y Hall K. R. An Alternative Numerical Interpretation of the Equal Area Rule and its Implications for Calculating Equilibrium Conditions. Journal of Natural Gas Engineering. 1(2) **(2016).** P.p. 101-124.
- 8. Bravo-Sánchez M. G., **Guerrero-Zárate D.**, Iglesias-Silva G. A., Estrada-Baltazar A. y Bouchot C. P-ρ-T Data for 2-Butanol and tert-Butanol from 283.15 to 363.15 K and 303.15 to 363.15 K at Pressures up to 66 MPa. Journal of Chemical & Engineering Data. 61(4) **(2016).** P.p. 1555-1565.
- 9. **Conde-Mejía, C**., A. Jiménez-Gutiérrez y M. M. El-Halwagi. "Assessment of Combinations between Pretreatment and Conversion Configurations for Bioethanol Production." ACS Sustainable Chemistry & Engineering. **(2013)** 1(8): 956-965.



Universidad Juárez Autónoma de Tabasco División Académica Multidisciplinaria de Jalpa de Méndez



Materiales Avanzados

- 1. A.I. Licona-Aguilar, J.A. Lois-Correa, A.M. Torres-Huerta, M.A. Domínguez-Crespo, H.J. Dorantes-Rosales, **D.S. Garcia-Zaleta.** Sugarcane Bagasse-, Orange Peel-Derived Adsorbent Materials: Thermal and Morphological Studies. Journal of Nanoscience and Nanotechnology. 20 (2020)1-11.
- 2. M.A. Alcudia-Ramos, M.O. Fuentez-Torres, F. Ortiz-Chi, C.G. Espinosa-González, N. Hernández-Como, **D.S. Garcia-Zaleta,** M.K. Kesarla, J.G. Torres-Torres, V. Collins-Martínez, S. Godavarthi. Fabrication of g-C₃N₄/TiO₂ heterojunction composite for enhanced photocatalytic hydrogen production. Ceramics International 46 **(2020)** 35-45.
- 3. M.A. Domínguez-Crespo. A. B. Lopez-Oyama, A.M. Torres-Huerta, A. R. Hernández-Basilio, D. Palma-Ramírez, J.A: Lois-Correa. **D.S. Garcia-Zaleta**. Functionality of TERGO Powders during the Synthesis of PANI-Based Composites for Electrical Devices. Journal of Nanomaterials (2019), 2872460.
- 4. E. G. Rojo-Gómez, A. I. Munguía-Lara, D. O. González-Abrego, G. Sánchez-Cabrera, J. G. Alvarado-Rodríguez, **M. G. Hernández-Cruz**, M. J. Rosales-Hoz, M. A. Leyva, A. L. Carrasco, N. Andrade-López, F. J. Zuno-Cruz. Reactivity and structural patterns of phenylphosphines in acetylene and acetylide carbonyl trinuclear ruthenium clusters. *Polyhedron* (2019), 161, 251-260.
- 5. S.B. Brachetti-Sibaja, M.A. Dominguez-Crespo. A.M. Torres-Huerta, S.E. Rodil-Posada, A. B. Lopez-Oyama, **D.S. Garcia-Zaleta**, E. Onofre-Bustamante. Fabrication of Sputtered Ce/La, La/Ce Oxide Bilayers on AA6061 and AA7075 Aluminum Alloys for the Development of Corrosion Protective Coatings. Materials (2018) 11,1114
- 6. **D.S. Garcia-Zaleta**. A.M. Torres-Huerta, M.A: Domínguez-Crespo, A. García-Murillo. R. Silva-Rodrigo. R. Lopez-González. Influence of Phases Content on Pt/TiO₂, Pd/TiO₂ Catalysts For Degradation of 4-Chlorophenol at Room Temperature. Journal of Nanomaterials **(2016)**, 1805169
- 7. **D.S. Garcia-Zaleta**. A.M. Torres-Huerta, M.A: Domínguez-Crespo. Synthesis of dense fine grained ceramics by sol-gel technique of RE-substituted Bi_{1-x}A_xFeO₃ nanopowders (A=La³⁺, Y³⁺, Dy³⁺, Ce³⁺): structural, electrical and magnetic characterization. Metallurgical and Materials Transactions A. 47,4 **(2016)** 1720-1728.
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- 9. **M. G. Hernández-Cruz**, Francisco J. Zuno-Cruz, José G. Alvarado-Rodríguez, María J. Rosales-Hoz, Marco A. Leyva, Verónica Salazar, Gloria Sánchez-Cabrera. Reactivity of Triruthenium Diphosphine Clusters with 3,5- bis(trifluoromethyl)mercaptobenzene: Electronic and Steric Influence of Diphosphines Onto Coordination Modes of Thiolate, Capping Sulfide, and Phosphide Groups to a Ru3 Clusters. *Journal of Organometallic Chemistry* (**2016**), 801, 157-170.