

PRODUCTIVIDAD ACADÉMICA RELEVANTE

LISTADO DE PUBLICACIONES (2018-2014)

2018, TOTAL: 12

1. Dórame-Miranda, R.F., Rodríguez-Félix, D.E., López-Ahumada, G.A., Castro-Enriquez, D.D., Quiroz-Castillo, J.M., Márquez-Ríos, E., Rodríguez-Félix, F. Effect of pH and temperature on the release kinetics of urea from wheat-gluten membranes obtained by electrospinning (2018) Polymer Bulletin, pp. 1-15. Article in Press. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045055642&doi=10.1007%2fs00289-018-2327-9&partnerID=40&md5=0c15ba87715b57e83354a0cbe6a98217>
2. Tolano-Villaverde, I.J., Ocaño-Higuera, V., Ezquerra-Brauer, J., Santos-Sauceda, I., Santacruz-Ortega, H., Cárdenas-López, J.L., Rodríguez-Olibarria, G., Márquez-Ríos, E. Physicochemical characterization of actomyosin–paramyosin from giant squid mantle (*Dosidicus gigas*) (2018) Journal of the Science of Food and Agriculture, 98 (5), pp. 1787-1793. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031429959&doi=10.1002%2fjsfa.8653&partnerID=40&md5=8c1481c1786c123470e93668119e5bbb>
3. Sarabia-Sainz, H.M., Ezquerra-Brauer, J.M., Santacruz-Ortega, H.C., Rouzaud-Sáñez, O., Valenzuela-Soto, E.M., Acosta-Elias, M., Torres-Arreola, W. Muscle lysyl oxidase activity and structural/thermal properties of highly cross-linked collagen in jumbo squid (*Dosidicus gigas*) mantle, fins and arms (2018) Food Science and Biotechnology, 27 (1), pp. 57-64. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041360491&doi=10.1007%2fs10068-017-0242-8&partnerID=40&md5=701c3118d328ad0d283fad78f387aef>
4. Salazar-Medina, A.J., Gámez-Corrales, R., Ramírez, J.Z., González-Aguilar, G.A., Velázquez-Contreras, E.F. Characterization of metal-bound water in bioactive Fe(III)-cyclophane complexes (2018) Journal of Molecular Structure, 1154, pp. 225-231. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031801236&doi=10.1016%2fj.molstruc.2017.10.018&partnerID=40&md5=8b7fa6f201b7c42de9e61d06e294d862>
5. Calvillo-Páez, V., Sotelo-Mundo, R.R., Leyva-Peralta, M., Gálvez-Ruiz, J.C., Corona-Martínez, D., Moreno-Corral, R., Escobar-Picos, R., Höpfl, H., Juárez-Sánchez, O., Lara, K.O. Synthesis, spectroscopic, physicochemical and structural characterization of tetrandrine-based macrocycles functionalized with acridine and anthracene groups: DNA binding and anti-proliferative activity (2018) Chemico-Biological Interactions, 286, pp. 34-44. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043483278&doi=10.1016%2fj.cbi.2018.02.013&partnerID=40&md5=b1d081d8169c90b3c92e4f7e4887c949>

6. Moreno-Valle, B., Aguilar-Martínez, M., Ochoa-Terán, A., Martínez-Quiroz, M., Miranda-Soto, V., García-Elías, J., Ochoa-Lara, K., Labastida-Galván, V., Ordoñez, M. Synthesis and anion recognition studies of new ureylbenzamide-based receptors (2018) *Supramolecular Chemistry*, 30 (1), pp. 9-19. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85024382805&doi=10.1080%2f10610278.2017.1350676&partnerID=40&md5=813b7f26cebf1e70695169ef0ca266a1>
7. Fuentes-Pérez, M., Nicho, M.E., Sotelo-Lerma, M., Fuentes-Ríos, J.L., Castrellón-Urbe, J., León-Silva, U., Hernández-Guzmán, F., García-Carvajal, S. Influence of the FeO(OH) nanoparticles concentration in the in-situ synthesis of P3HT (2018) *European Polymer Journal*, 99, pp. 172-179. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039430755&doi=10.1016%2fj.eurpolymj.2017.12.015&partnerID=40&md5=bdec5dc11eef67867a9dbc0cebd41072>
8. Noto, L.L., Poelman, D., Orante-Barrón, V.R., Swart, H.C., Mathevula, L.E., Nyenge, R., Chithambo, M., Mothudi, B.M., Dhlamini, M.S. Photoluminescence and thermoluminescence properties of BaGa₂O₄ (2018) *Physica B: Condensed Matter*, 535, pp. 268-271. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026669946&doi=10.1016%2fj.physb.2017.07.059&partnerID=40&md5=8b3f1c2d1df1c25086d6ad4c558d462d>
9. Paz-Samaniego, R., Rascón-Chu, A., Brown-Bojorquez, F., Carvajal-Millan, E., Pedroza-Montero, M., Silva-Campa, E., Sotelo-Cruz, N., López-Franco, Y.L., Lizardi-Mendoza, J. Electro spray-assisted fabrication of core-shell arabinosyloxan gel particles for insulin and probiotics entrapment (2018) *Journal of Applied Polymer Science*, 135 (26), art. no. 46411, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043397447&doi=10.1002%2fapp.46411&partnerID=40&md5=bde2ace9a958d88297f360741c5b7d28>
10. Brown, F., Jacobo-Herrera, I.E., Alvarez-Montaña, V.E., Kimizuka, N., Hirano, T., Sekine, R., Denholme, S.J., Miyakawa, N., Kudo, A., Iwase, A., Michiue, Y. Phase relations in the pseudo ternary system In₂O₃-TiO₂-BO (B: Zn, Co and Ni) at 1200 °C in air (2018) *Journal of Solid State Chemistry*, 258, pp. 865-875. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039710432&doi=10.1016%2fj.jssc.2017.12.020&partnerID=40&md5=bacbb346480cd5d04bb9fe2dc294f8e8>
11. Pérez-Tello, M., Parra-Sánchez, V.R., Sánchez-Corrales, V.M., Gómez-Álvarez, A., Brown-Bojórquez, F., Parra-Figueroa, R.A., Balladares-Varela, E.R., Araneda-Hernández, E.A. Evolution of Size and Chemical Composition of Copper Concentrate Particles Oxidized Under Simulated Flash Smelting Conditions (2018) *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, pp. 1-17. Article in Press. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045130372&doi=10.1007%2fs11663-018-1183-1&partnerID=40&md5=55e52a739990dc8280b8ad68521c3fbc>
12. López-Mata, M.A., Ruiz-Cruz, S., de Jesús Ornelas-Paz, J., Del Toro-Sánchez, C.L., Márquez-Ríos, E., Silva-Beltrán, N.P., Cira-Chávez, L.A., Burruel-Ibarra, S.E. Mechanical, Barrier and Antioxidant

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13. D. C. Bouttier-Figueroa & M. Sotelo-Lerma. Fabrication and characterization of an eco-friendly antibacterial nanocomposite of galactomannan/ZnO by in situ chemical co-precipitation method (2018). Composite Interfaces. <http://www.tandfonline.com/loi/tcoi20>
14. Yedith Soberanes, Karla-Alejandra López-Gastélum, Jonathan Moreno-Urbalejo, Alex J. Salazar-Medina, María del Carmen Estrada-Montoya, Rocío Sugich-Miranda, Javier Hernandez-Paredes, Aarón F. Gonzalez-Córdova, Belinda Vallejo-Cordoba, Rogerio R. Sotelo-Mundo, Enrique F. Velázquez-Contreras, Fernando Rocha-Alonzo. Tetrameric copper(II) metalocyclic complex bearing an amino acid derived Schiff base ligand: Structure, catalytic and antioxidant activities. Inoche (2018), doi: 10.1016/j.inoche.2018.06.010. <https://doi.org/10.1016/j.inoche.2018.06.010>

2017, TOTAL: 33

1. Puentes-Camacho, D., Velázquez, E.F., Rodríguez-Félix, D.E., Castillo-Ortega, M., Sotelo-Mundo, R.R., Del Castillo-Castro, T. Functionalization of multiwalled carbon nanotubes by microwave irradiation for lysozyme attachment: Comparison of covalent and adsorption methods by kinetics of thermal inactivation (2017) Advances in Natural Sciences: Nanoscience and Nanotechnology, 8 (4), art. no. 045011. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039066609&doi=10.1088%2f2043-6254%2faa8b3c&partnerID=40&md5=5f50f4beb86f6474041d5ee05bbca80a>
2. Rodríguez-Núñez, J.R., Domínguez-López, A., Domínguez-López, C., Quintana Owen, P., López-Cervantes, J., Sánchez-Machado, D.I., Rodríguez Félix, D.E., Plasencia Jatomea, M., Peña Caballero, V., Madera Santana, T.J. Evaluation of Physicochemical and Antifungal Properties of Polylactic Acid–Thermoplastic Starch–Chitosan Biocomposites (2017) Polymer - Plastics Technology and Engineering, 56 (1), pp. 44-54. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85007362892&doi=10.1080%2f03602559.2016.1211683&partnerID=40&md5=e88f23861c1904be3ea0e690587085ee>
3. Tapia-Hernández, J.A., Rodríguez-Félix, D.E., Plasencia-Jatomea, M., Rascón-Chu, A., López-Ahumada, G.A., Ruiz-Cruz, S., Barreras-Urbina, C.G., Rodríguez-Félix, F. Porous wheat gluten microparticles obtained by electrospray: Preparation and characterization (2017) Advances in Polymer Technology, . Article in Press. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031116610&doi=10.1002%2fadv.21907&partnerID=40&md5=7098245a432cacf97adc8d6d358672b8>

4. Rascón-Leon, S., Castillo-Ortega, M.M., Santos-Sauceda, I., Munive, G.T., Rodriguez-Felix, D.E., Del Castillo-Castro, T., Encinas, J.C., Valenzuela-García, J.L., Quiroz-Castillo, J.M., García-Gaitan, B., Herrera-Franco, P.J., Alvarez-Sanchez, J., Ramírez, J.Z., Quiroz-Castillo, L.S. Selective adsorption of gold and silver in bromine solutions by acetate cellulose composite membranes coated with polyaniline or polypyrrole (2017) Polymer Bulletin, pp. 1-25. Article in Press. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031397870&doi=10.1007%2fs00289-017-2206-9&partnerID=40&md5=bbc77d3031d35192b006aa6fb80bc943>
5. Leyva Egurrola, S., del Castillo Castro, T., Castillo Ortega, M.M., Encinas, J.C., Herrera Franco, P.J., Bonilla Cruz, J., Lara Cenicerros, T.E. Electrical, mechanical, and piezoresistive properties of carbon nanotube–polyaniline hybrid filled polydimethylsiloxane composites (2017) Journal of Applied Polymer Science, 134 (18), art. no. 44780. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85010703158&doi=10.1002%2fapp.44780&partnerID=40&md5=7454680d0715c12d55724e1d09db1499>
6. Rodríguez Félix, D.E., Quiroz Castillo, J.M., Castillo Ortega, M.M., Lizárraga Laborín, L.L., García Duarte, T., García Bedoya, D., Cruz Campas, M.E., Ramírez Leal, R., Herrera Franco, P.J. Accelerated weathering of polyethylene/chitosan films compatibilized with maleic anhydride [Degradación acelerada de películas de polietileno con quitosano compatibilizadas con anhídrido maléico] (2017) Revista Internacional de Contaminacion Ambiental, 33 (Special Issue 1), pp. 99-107. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021234960&doi=10.20937%2fRICA.2017.33.esp02.10&partnerID=40&md5=3ddf97b80d8823ad4ffe0a1a8297e226>
7. Carrasco-Guigón, F.J., Rodríguez-Félix, D.E., Castillo-Ortega, M.M., Santacruz-Ortega, H.C., Burruel-Ibarra, S.E., Encinas-Encinas, J.C., Plascencia-Jatomea, M., Herrera-Franco, P.J., Madera-Santana, T.J. Preparation and characterization of extruded composites based on polypropylene and chitosan compatibilized with polypropylene-graft-maleic anhydride (2017) Materials, 10 (2), art. no. 105. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013806110&doi=10.3390%2fma10020105&partnerID=40&md5=147b8ec3973cf8e20d311655bf733b7>
8. Moreno-Vásquez, M.J., Buitimea-Valenzuela, E.L., Plascencia-Jatomea, M., Encinas-Encinas, J.C., Rodríguez-Félix, F., Sánchez-Valdes, S., Rosas-Burgos, E.C., Ocaño-Higuera, V.M., Graciano-Verdugo, A.Z. Functionalization of chitosan by a free radical reaction: Characterization, antioxidant and antibacterial potential (2017) Carbohydrate Polymers, 155, pp. 117-127. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84983593636&doi=10.1016%2fj.carbpol.2016.08.056&partnerID=40&md5=b1413f226a1c3da6ef678e1e34a5ceab>
9. Álvarez-Chávez, C.R., Sánchez-Acosta, D.L., Encinas-Encinas, J.C., Esquer, J., Quintana-Owen, P., Madera-Santana, T.J. Characterization of Extruded Poly(lactic acid)/Pecan Nutshell Biocomposites (2017) International Journal of Polymer Science, 2017, art. no. 3264098, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0->

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10. Sarabia-Sainz, H.M., Torres-Arreola, W., Márquez-Ríos, E., Santacruz-Ortega, H.C., Rouzaud-Sández, O., Valenzuela-Soto, E.M., Burgara-Estrella, A.J., Ezquerra-Brauer, J.M. Interrelation of Collagen Chemical Structure and Nanostructure with Firmness of three Body Regions of Jumbo Squid (*Dosidicus gigas*) (2017) *Food Biophysics*, 12 (4), pp. 491-499. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034657977&doi=10.1007%2fs11483-017-9505-4&partnerID=40&md5=0575a617f9ee6ad48d9a0b679eaa4f0d>
11. Martínez-Quiroz, M., Ochoa-Terán, A., Aguilar-Martínez, M., García-Elías, J., Santacruz Ortega, H., Miranda-Soto, V., Pina-Luis, G. New fluorescent metal receptors based on 4,4'-carbonyl bis(carbamoylbenzoic) acid analogues with naphthalene fluorophore (2017) *Supramolecular Chemistry*, 29 (7), pp. 477-488. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009250566&doi=10.1080%2f10610278.2016.1277585&partnerID=40&md5=d7f425b478ddc4d65a5da743bf4b8be5>
12. Perez-Perez, L.M., Armenta-Villegas, L., Santacruz-Ortega, H., Gutiérrez-Lomelí, M., Aguilar, J.A., Reynoso-Marin, F.J., Robles-García, M.A., Robles-Zepeda, R.E., Ruiz-Cruz, S., Del-Toro-Sánchez, C.L. Characterization of Anemopsis californica essential oil- β -cyclodextrin inclusion complex as antioxidant prolonged-release system (2017) *Chemical Papers*, 71 (7), pp. 1331-1342. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85010734943&doi=10.1007%2fs11696-016-0125-0&partnerID=40&md5=b6a59434218a8b581f21d2efd3e67503>
13. López-Martínez, L.M., Santacruz-Ortega, H., Navarro, R.E., Inoue, M., Sugich-Miranda, R., Hernández-Paredes, J., Castillo, I., Sotelo-Mundo, R.R. Synthesis and characterization of a 13-member macrocycle functionalized by tyramine arms: Complexation with Cu²⁺ and antioxidant capacity (2017) *Polyhedron*, 127, pp. 438-448. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85006410220&doi=10.1016%2fj.poly.2016.10.028&partnerID=40&md5=d33cddb661e202106f0792c49e09152>
14. Martínez-Quiroz, M., Ochoa-Terán, A., Pina-Luis, G., Santacruz Ortega, H. Photoinduced electron transfer in N,N-bis(pyridylmethyl)naphthalenediimides: study of their potential as pH chemosensors (2017) *Supramolecular Chemistry*, 29 (1), pp. 32-39. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84961392495&doi=10.1080%2f10610278.2016.1162905&partnerID=40&md5=baef217864602c990dca9c36926a582c>
15. Durazo-Bustamante, B.A., Quevedo-Robles, R.V., Inoue, M., Ramirez, J.-Z., Santacruz, H., Navarro, R.E., Machi, L. New DTPA-derived bis-naphthalenophanes: fluorescence, protonation, and complexation with aromatic amines (2017) *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 89 (1-2), pp. 157-166. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029658311&doi=10.1007%2fs10847-017-0742-4&partnerID=40&md5=19977210e9921944fb5c1358ba7d6d9a>

16. Rodríguez-León, E., Íñiguez-Palomares, R.A., Navarro, R.E., Rodríguez-Beas, C., Larios-Rodríguez, E., Alvarez-Cirerol, F.J., Íñiguez-Palomares, C., Ramírez-Saldaña, M., Hernández Martínez, J., Martínez-Higuera, A., Galván-Moroyoqui, J.M., Martínez-Soto, J.M. Silver nanoparticles synthesized with *Rumex hymenosepalus* extracts: effective broad-spectrum microbicidal agents and cytotoxicity study (2017) *Artificial Cells, Nanomedicine and Biotechnology*, pp. 1-13. Article in Press. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028529960&doi=10.1080%2f21691401.2017.1366332&partnerID=40&md5=c22f53251a7a7b831ca1f37ef6ed3725>

17. Higuera-Ciapara, I., Virués, C., Jiménez-Chávez, M., Martínez-Benavidez, E., Hernández, J., Domínguez, Z., López-Rendón, R., Velázquez, E.F., Inoue, M. 1H NMR studies of molecular interaction of D-glucosamine and N-acetyl-D-glucosamine with capsaicin in aqueous and non-aqueous media (2017) *Carbohydrate Research*, 452, pp. 6-16. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030699692&doi=10.1016%2fj.carres.2017.09.014&partnerID=40&md5=ef9da139c03c3e53db9a949c819dc4da>

18. Rocha-Alonzo, F., Chávez, D., Ochoa-Terán, A., Morales-Morales, D., Velázquez-Contreras, E.F., Parra-Hake, M. A Novel Synthesis of 1,2,3-Benzotriazinones from 2-(o -Aminophenyl)oxazolines (2017) *Journal of Chemistry*, 2017, art. no. 2384780, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85011617688&doi=10.1155%2f2017%2f2384780&partnerID=40&md5=d7e0fb9966a76d3e2570da0c16bf98f2>

19. Martínez-Gil, M., Pintor-Monroy, M.I., Cota-Leal, M., Cabrera-German, D., Garzon-Fontecha, A., Quevedo-López, M.A., Sotelo-Lerma, M. Influence of annealing temperature on nickel oxide thin films grown by chemical bath deposition (2017) *Materials Science in Semiconductor Processing*, 72, pp. 37-45. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029793548&doi=10.1016%2fj.mssp.2017.09.021&partnerID=40&md5=3af8f4ceebbe0b299b959b2f65273b18>

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21. Martínez-Alonso, C., Olivos-Peralta, E.U., Sotelo-Lerma, M., Sato-Berrú, R.Y., Mayén-Hernández, S.A., Hu, H. Purity and crystallinity of microwave synthesized antimony sulfide microrods (2017) *Materials Chemistry and Physics*, 186, pp. 390-398. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85002822799&doi=10.1016%2fj.matchemphys.2016.11.010&partnerID=40&md5=d2ddf4b9f358c3f73addab9c6d3c6abd>

22. Castelo-González, O.A., Sotelo-Lerma, M., García-Valenzuela, J.A. Effect of Reaction Time and Temperature on Chemical, Structural, Optical, and Photoelectrical Properties of PbS Thin Films Chemically Deposited from the Pb(OAc)₂-NaOH-TU-TEA Aqueous System (2017) *Journal of Electronic Materials*, 46 (1), pp. 393-400. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84982299830&doi=10.1007%2fs11664-016-4856-z&partnerID=40&md5=8a6d8181f2adfcf3ee23d3a25df7efdf>
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24. Borbón-Nuñez, H.A., Iriqui-Razcón, J.L., Cruz-Vázquez, C., Bernal, R., Furetta, C., Chernov, V., Castaño, V.M. Thermoluminescence kinetics parameters of ZnO exposed to beta particle irradiation (2017) *Journal of Materials Science*, 52 (9), pp. 5208-5215. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009517858&doi=10.1007%2fs10853-017-0761-y&partnerID=40&md5=33a88d9963d0ed1ea0b6927e5d5d66d9>
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