

ARTÍCULOS PUBLICADOS DEL 15 DE AGOSTO DE 2017- 15 DE OCTUBRE DE 2017

Investigadores y estudiantes del IICBA

N°	TÍTULO	AUTORES	PUBLICACIÓN	CENTRO DE INV.	DOI
1	Stereoselective Synthesis of $\alpha$ -Aminophosphonic Acids through Pudovik and Kabachnik-Fields Reaction	Ordóñez, M., Viveros-Ceballos J. L., Romero-Estudillo I.	Amino Acid - New Insights and Roles in Plant and Animal. Editorial: Toshiki Asao, pp. 127-151	CIQ	<a href="https://doi.org/10.5772/intechopen.68707">https://doi.org/10.5772/intechopen.68707</a>
2	On the incompatibility of lithium-O2 battery technology with CO2	Shiyu Zhang, Matthew J. Nava, Gary K. Chow, Nazario Lopez, Gang Wu, David R. Britt, Daniel G. Nocera, Christopher C. Cummins	Chemical Science, Issue 9, pp. 6117 to 6122	CIQ	<a href="https://doi.org/10.1039/c7sc01230f">https://doi.org/10.1039/c7sc01230f</a>
3	Ethyl Levulinat Obtained from Lignocellulosic Waste Material with Previous Delignification by Ultrasonic-Assisted Technique	Solá-Pérez, J. E.; Saldarriaga-Noreña, H.; Murillo-Tovar, M.	Journal of Agricultural Chemistry and Environment Vol.06 No.01(2017), Article ID:74316,11 pages	CIQ	<a href="https://doi.org/10.4236/jacen.2017.61006">https://doi.org/10.4236/jacen.2017.61006</a>
4	Occurrence and potential sources of quinones associated with PM2.5 in Guadalajara, Mexico	Barradas-Gimate, A., Murillo-Tovar, M.A., de Jesús Díaz-Torres, J., Hernández-Mena, L., Saldarriaga-Noreña, H., Delgado-Saborit, J.M., López-López, A.	Atmosphere, 8 ( 8 ), art. no. 140	CIQ	<a href="https://doi.org/10.3390/atmos8080140">https://doi.org/10.3390/atmos8080140</a>
5	Detection of Steroids in Tap and Drinking Water Using an Optimized Analytical Method by Gas Chromatography–Mass Spectrometry	Vallejo-Rodríguez, R., Sánchez-Torres, P.B., López-López, A., León-Becerril, E., Murillo-Tovar, M.	Exposure and Health, pp. 1-11. Articles not published yet, but available online Article in Press	CIQ	<a href="https://doi.org/10.1007/s12403-017-0254-x">https://doi.org/10.1007/s12403-017-0254-x</a>
6	Synthesis and characterization of a Bio-MOF based on mixed adeninate/tricarboxylate ligands and zinc ions	Giles-Mazón, E.A., Germán-Ramos, I., Romero-Romero, F., Reinheimer, E., Toscano, R.A., Lopez, N., Barrera-Díaz, C.E., Varela-Guerrero, V., Ballesteros-Rivas, M.F.	Inorganica Chimica Acta, 469, pp. 306-311.	CIQ	<a href="https://doi.org/10.1016/j.ica.2017.09.047">https://doi.org/10.1016/j.ica.2017.09.047</a>
7	A ruthenium(III) complex derived from: N, N'-bis(salicylidene)ethylenediamine as a chemosensor for the selective recognition of acetate and its interaction with cells for bio-imaging: Experimental and theoretical studies	Guadalupe Hernández, J., Huerta-Aguilar, C.A., Thangarasu, P., Höpfl, H.	New Journal of Chemistry, 41(19), pp. 10515-10527.	CIQ	<a href="https://doi.org/10.1039/c7nj01591g">https://doi.org/10.1039/c7nj01591g</a>
8	Synthesis and inclusion properties of boroncalix[3]arene compounds obtained by self-assembly of 3-aminophenylboronic acid and salicylaldehyde derivatives	González-Hernández, A., Serrano-Melgar, G., Villamil-Ramos, R., Barba, V.	Heteroatom Chemistry, 28 ( 4 ), art. no. E21377	CIQ	<a href="https://doi.org/10.1002/hc.21377">https://doi.org/10.1002/hc.21377</a>
9	Synthesis, Screening and in Silico Simulations of Anti-Parasitic Propamidine/Benzimidazole Derivatives.	Mendez-Cuesta, C.; Herrera-Rueda, M.; Hidalgo-Figueroa, S.; Tlahuext, H.; Moo-Puc, R.; Chale-Dzul, J.; Chan-Bacab, M.; Ortega-Morales, B.; Hernandez-Nunez, E.; Mendez-Lucio, O.; Medina-Franco, J.; Navarrete-Vazquez, G.	Med. Chem. (Los. Angeles). 2017, 13 (2), pp. 137–148	CIQ	<a href="https://doi.org/10.2174/1573406412666160811112408">https://doi.org/10.2174/1573406412666160811112408</a>
10	Cytotoxic evaluation of (2s)-5,7-dihydroxy-6-prenylflavanone derivatives loaded PLGA nanoparticles against MiaPaCa-2 cells	Andrade-Carrera, B., Clares, B., Noé, V., Mallandrich, M., Calpena, A.C., García, M.L., Garduño-Ramírez, M.L.	Molecules, 22(9), art. no. 1553.	CIQ	<a href="https://doi.org/10.3390/molecules22091553">https://doi.org/10.3390/molecules22091553</a>
11	Mechanochemical enzymatic resolution of N-benzylated- $\beta$ -amino esters	Pérez-Venegas, M., Reyes-Rangel, G., Neri, A., Escalante, J., Juaristi, E.	Beilstein Journal of Organic Chemistry, 13, pp. 1728-1734.	CIQ	<a href="https://doi.org/10.3762/bjoc.13.167">https://doi.org/10.3762/bjoc.13.167</a>

12	Adenoviruses: Biology and Epidemiology	Kajon A., <b>Gonzalez R. A.</b>	Human Virology in Latin America, pp. 271-290	CIDC	<a href="https://doi.org/10.1007/978-3-319-54567-7">https://doi.org/10.1007/978-3-319-54567-7</a>
13	Dissecting the protein architecture of DNA-binding transcription factors in bacteria and archaea	Rivera-Gómez, N., Martínez-Núñez, M., <b>Pastor, N.</b> , Rodriguez-Vazquez, K., Perez-Rueda, E.	Microbiology (United Kingdom) , 163 ( 8 ) pp. 1167 - 1178 .	CIDC	<a href="https://doi.org/10.1099/mic.0.000504">https://doi.org/10.1099/mic.0.000504</a>
14	Saccharomyces cerevisiae KTR4, KTR5 and KTR7 encode mannosyltransferases differentially involved in the N- and O-linked glycosylation pathways	Hernández, N.V., López-Ramírez, L.A., Díaz-Jiménez, D.F., Mellado-Mojica, E., <b>Martínez-Duncker, I.</b> , López, M.G., Mora-Montes, H.M.	Research in Microbiology Articles not published yet, but available online Article in Press	CIDC	<a href="https://doi.org/10.1016/j.resmic.2017.07.005">https://doi.org/10.1016/j.resmic.2017.07.005</a>
15	Draft genome sequence of Photorhabdus luminescens HIM3 isolated from an entomopathogenic nematode in agricultural soils	Salgado-Morales, R., Rivera-Gómez, N., Martínez-Ocampo, F., Lozano-Aguirre Beltrán, L.F., <b>Hernández-Mendoza, A.</b> , Dantán-González, E.	Genome Announcements , 5 ( 35 ) , art. no. E00745	CIDC	<a href="https://doi.org/10.1128/genomeA.00745-17">https://doi.org/10.1128/genomeA.00745-17</a>
16	Draft genome sequence of a Pseudomonas aeruginosa NA04 bacterium isolated from an entomopathogenic nematode	Salgado-Morales, R., Rivera-Gómez, N., Lozano-Aguirre Beltrán, L.F., <b>Hernández-Mendoza, A.</b> , Dantán-González, E.	Genome Announcements , 5 ( 36 ) , art. no. e00746-17	CIDC	<a href="https://doi.org/10.1128/genomeA.00746-17">https://doi.org/10.1128/genomeA.00746-17</a>
17	Neural networks for simulation of transpiration and photosynthesis in a semi-closed greenhouse	Miranda, L., <b>Lara, B.</b> , Rocks, T., Dannehl, D., Schmidt, U.	Acta Horticulturae, 1170, pp. 193-199.	CInC	<a href="https://doi.org/10.17660/ActaHortic.2017.1170.22">https://doi.org/10.17660/ActaHortic.2017.1170.22</a>
18	A Prospect-Guided global query expansion strategy using word embeddings	<b>Fernández-Reyes, F.C.</b> , <b>Hermosillo-Valadez, J.</b> , Montes-y-Gómez, M.	Information Processing and Management, 54(1), pp. 1-13.	CInC	<a href="https://doi.org/10.1016/j.ipm.2017.09.001">https://doi.org/10.1016/j.ipm.2017.09.001</a>
19	Linear and nonlinear magneto-optical properties of an off-center single dopant in a spherical core/shell quantum dot	Feddi, E., Talbi, A., <b>Mora-Ramos, M.E.</b> , El Haouari, M., Dujardin, F., Duque, C.A.	Physica B: Condensed Matter , 524 pp. 64 - 70 .	CInC	<a href="https://doi.org/10.1016/j.physb.2017.08.057">https://doi.org/10.1016/j.physb.2017.08.057</a>
20	Analysis of light propagation in quasiregular and hybrid Rudin-Shapiro one-dimensional photonic crystals with superconducting layers	Gómez-Urrea, H.A., Escorcía-García, J., Duque, C.A., <b>Mora-Ramos, M.E.</b>	Photonics and Nanostructures - Fundamentals and Applications 27, pp. 1-10	CInC	<a href="https://doi.org/10.1016/j.photonics.2017.08.001">https://doi.org/10.1016/j.photonics.2017.08.001</a>
21	Effect of the magnetic field on the nonlinear optical rectification and second and third harmonic generation in double $\delta$ -doped GaAs quantum wells	Martínez-Orozco, J.C., <b>Rojas-Briseño, J.G.</b> , <b>Rodríguez-Magdaleno, K.A.</b> , <b>Rodríguez-Vargas, I.</b> , <b>Mora-Ramos, M.E.</b> , Restrepo, R.L., Urgan, F., Kasapoglu, E., Duque, C.A.	Physica B: Condensed Matter , 525 pp. 30 - 35 .	CInC	<a href="https://doi.org/10.1016/j.physb.2017.08.082">https://doi.org/10.1016/j.physb.2017.08.082</a>
22	Effect of chloride and sulfate ions on the SCC of API-X70 pipeline welds in diluted carbonated solutions	Espinosa-Medina, M.A., Carbajal-De la Torre, G., Sánchez Castillo, A., ángeles-Chávez, C., <b>Zeferino-Rodríguez, T.</b> , <b>González-Rodríguez, J.G.</b>	International Journal of Electrochemical Science , 12 ( 8 ) pp. 6952 - 6965 .	CIICAp	<a href="https://doi.org/10.20964/2017.08.07">https://doi.org/10.20964/2017.08.07</a>
23	Corrosion behavior of Al-Mg-Zn-Si alloy matrix composites reinforced with $\text{Y}_2\text{O}_3$ in 3.5% NaCl solution	<b>Perez, O.R.</b> , Valdez, S., <b>Molina, A.</b> , <b>Mejía-Sintillo, S.</b> , <b>García-Pérez, C.</b> , Salinas-Bravo, V.M., <b>Gonzalez-Rodríguez, J.G.</b>	International Journal of Electrochemical Science , 12 ( 8 ) pp. 7300 - 7311 .	CIICAp	<a href="https://doi.org/10.20964/2017.08.59">https://doi.org/10.20964/2017.08.59</a>
24	Experimental and Theoretical Evaluation of Allicin as Corrosion Inhibitor for Carbon Steel in Sulfuric Acid	<b>Rodríguez-Clemente, E.</b> , <b>Gonzalez-Rodríguez, J.G.</b> , Valladarez-Cisneros, M.G., Chacon-Nava, J.G., Flores-De los Ríos, J.P., Rodríguez-Valdez, L.M.	Journal of Materials and Environmental Science , 8 ( 11 ) pp. 2028 - 2508 .	CIICAp	<a href="http://www.jmaterenvironsci.com/">http://www.jmaterenvironsci.com/</a>
25	Energy Evaluation of the Use of an Absorption Heat Pump in Water Distillation Process	<b>Rosenberg J Romero</b> , Sotzil Silva-Sotelo	Distillation-Innovative Applications and Modeling,, Volum 8, pp. 185 - 201	CIICAp	<a href="https://doi.org/10.5772/67094">https://doi.org/10.5772/67094</a>

26	Laser-beam reflection for steel stress-strain characterization	<b>Saldaña Heredia, A., Márquez Aguilar, P.A., Molina Ocampo, A.</b>	Measurement: Journal of the International Measurement Confederation , 113 pp. 92 - 98 .	CIICAp	<a href="https://doi.org/10.1016/j.measurement.2017.08.047">https://doi.org/10.1016/j.measurement.2017.08.047</a>
27	Double resonant excitation of the second harmonic of terahertz radiation in dielectric-graphene layered metamaterials	Rapoport, Y., <b>Grimalsky, V.</b> , Lavrinenko, A.V., Boardman, A.	Journal of Optics (United Kingdom) , 19 ( 9 ) , art. no. 095104	CIICAp	<a href="https://doi.org/10.1088/2040-8986/aa7f54">https://doi.org/10.1088/2040-8986/aa7f54</a>
28	Performance of Li salts (LiBr + LiI + LiNO <sub>3</sub> + LiCl) for an absorption cycle of an experimental absorption heat transformer for water purification	<b>Torres-Díaz, T.</b> , Siqueiros, J., Coronas, A., Salavera, D., <b>Huicochea, A., Juárez-Romero, D.</b>	Desalination and Water Treatment , 82 pp. 292 - 299 .	CIICAp	<a href="https://doi.org/10.5004/dwt.2017.20972">https://doi.org/10.5004/dwt.2017.20972</a>
29	Part 1: Design and development of new sustainable coatings applied on aluminium 6061 alloy-RRA heat treated for engineering applications	Mayén, J., Abúndez, A., <b>Porcayo-Calderón, J.</b> , <b>Pereyra, I.</b> , <b>Serna, S.</b> , Puente-Lee, I., Salinas-Bravo, V.M., Torres-Islas, Á.	Surface and Coatings Technology 328, pp. 488-498	CIICAp	<a href="https://doi.org/10.1016/j.surfcoat.2017.09.012">https://doi.org/10.1016/j.surfcoat.2017.09.012</a>
30	Fusarium equiseti LPSC 1166 and its in vitro role in the decay of Heterostachys ritteriana leaf litter	Franco, E., Troncozo, M.I., <b>Baez, M.</b> , Mirífico, M.V., Robledo, G.L., Balatti, P.A., Saparrat, M.C.N.	Folia Microbiologica , pp. 1 - 11 . Articles not published yet, but available online Article in Press	CIICAp	<a href="https://doi.org/10.1007/s12223-017-0541-8">https://doi.org/10.1007/s12223-017-0541-8</a>
31	Synthesis of poly (3-hexylthiophene-2,5-diyl) in presence of CdS nanoparticles: Microscopic and spectroscopic studies	<b>Nicho, M.E.</b> , <b>Jaimes, W.</b> , Rivas-Aguilar, M.E., Hu, H., Quevedo-López, M.A.	Revista Mexicana de Física, 63(6), pp. 516-524	CIICAp	<a href="https://rmf.smf.mx/pdf/rmf/63/6/63_6_516.pdf">https://rmf.smf.mx/pdf/rmf/63/6/63_6_516.pdf</a>
32	Corrosion behaviour of Ti-Ni-Al alloys in a simulated human body solution	<b>García-Ramírez, M.J.</b> , Lopez-Sesenes, R., <b>Rosales-Cadena, I.</b> , <b>Gonzalez-Rodríguez, J.G.</b>	Journal of Materials Research and Technology. Articles not published yet, but available online Article in Press	CIICAp	<a href="https://doi.org/10.1016/j.jmrt.2017.07.003">https://doi.org/10.1016/j.jmrt.2017.07.003</a>
33	Study of pharmaceuticals in surface and wastewater from Cuernavaca, Morelos, Mexico: Occurrence and environmental risk assessment	<b>Rivera-Jaimes, J.A.</b> , Postigo, C., Melgoza-Alemán, R.M., Aceña, J., Barceló, D., López de Alda, M.	Science of the Total Environment, 613-614, pp. 1263-1274.	CIICAp	<a href="https://doi.org/10.1016/j.scitotenv.2017.09.134">https://doi.org/10.1016/j.scitotenv.2017.09.134</a>
34	Energy saving into an absorption heat transformer by using heat pipes between evaporator and condenser	<b>Heredia, M.I.</b> , Siqueiros, J., <b>Hernández, J.A.</b> , <b>Juárez-Romero, D.</b> , <b>Huicochea, A.</b> , <b>González-Rodríguez, J.G.</b>	Applied Thermal Engineering, 128, pp. 737-746.	CIICAp	<a href="https://doi.org/10.1016/j.applthermaleng.2017.09.017">https://doi.org/10.1016/j.applthermaleng.2017.09.017</a>
35	Influence of pH on the use of Salvia hispanica as green corrosion inhibitor for carbon steel in sulfuric acid	<b>Flores-Frias, E.A.</b> , <b>Porcayo-Calderon, J.</b> , Lucio-García, M.A., <b>Gonzalez-Rodríguez, J.G.</b> , Martinez-Gomez, L.	International Journal of Electrochemical Science, 12(9), pp. 8227-8240.	CIICAp	<a href="https://doi.org/10.20964/2017.09.18">https://doi.org/10.20964/2017.09.18</a>
36	Energy efficiency assessment in the generator of an absorption heat transformer from measurement falling film thickness on helical coils	<b>Lazcano-Véliz, Y.</b> , <b>Hernández, J.A.</b> , <b>Juárez-Romero, D.</b> , Bourouis, M., Coronas, A., Siqueiros, J.	Applied Energy. Articles not published yet, but available online Article in Press	CIICAp	<a href="https://doi.org/10.1016/j.apenergy.2017.09.026">https://doi.org/10.1016/j.apenergy.2017.09.026</a>
37	Small Organic Rankine Cycle Coupled to Parabolic Trough Solar Concentrator	<b>Caldíño-Herrera, U.</b> , <b>Castro, L.</b> , Jaramillo, O.A., <b>García, J.C.</b> , <b>Urquiza, G.</b> , Flores, F.	Energy Procedia, 129, pp. 700-707.	CIICAp	<a href="https://doi.org/10.1016/j.egypro.2017.09.097">https://doi.org/10.1016/j.egypro.2017.09.097</a>
38	Transformación de la capa superficial de cerámica con tratamiento láser.	A. Escobar-Martínez, <b>M. Vlasova</b> , <b>P. A. Márquez-Aguilar</b> , <b>M. Kakazey</b> , R. Guardían-Tapia	Revista Mexicana de Ingeniería Química, v.16, N2, pp.591-603, 2017.	CIICAp	<a href="http://rmiq.org/iaq/vp/Pdfs/Vol.%2016.%20No.%202/mat1/RMIQTemplate.pdf">http://rmiq.org/iaq/vp/Pdfs/Vol.%2016.%20No.%202/mat1/RMIQTemplate.pdf</a>
39	Peculiarities of a Glass-Sludge Mixture Subjected to Low-Temperature Treatment	A. Parra Parra, <b>M. Vlasova</b> , <b>P. A. Márquez Aguilar</b> , T. Tomila	Sci. Sintering, pp. 207-224 , 2017.	CIICAp	<a href="https://doi.org/10.2298/SOS1703207P">https://doi.org/10.2298/SOS1703207P</a>