

## ARTÍCULOS PUBLICADOS AL 15 DE MARZO DE 2017

No	AUTORES	TÍTULO	PUBLICACIÓN	PALABRAS CLAVE	DOI	CENTRO
1	Basu Baul, T.S.; Kehie, P., Höpfl, H., Duthie, A., Eng, G., Linden, A.	<b>Organotin(IV) complexes derived from proteinogenic amino acid: synthesis, structure and evaluation of larvicidal efficacy on Anopheles stephensi mosquito larvae.</b>	<i>Applied Organometallic Chemistry</i> . Volume 31, Issue 1, 1 January 2017, Article number e3547	(S)-2-amino-4-methylpentanoate; amino acetate Schiff bases; crystal structures; larvicidal efficacy; organotin(IV) aminoacetates; spectroscopy; toxicity.	DOI:10.1002/aoc.3547	CIQ
2	Romo-Uribe, A., Arcos-Casarrubias, J.A., Reyes-Mayer, A., Guardian-Tapia, R.	<b>PDMS Nanodomains in DGEBA Epoxy Induce High Flexibility and Toughness</b>	<i>Polymer - Plastics Technology and Engineering</i> . Volume 56, Issue 1, 2 January 2017, Pages 96-107	Epoxy; microstructure; nanocomposites; PDMS; toughness	DOI:10.1080/03602559.2016.1211691	CIICAp
3	Juárez-Martínez, A.B., Sotelo-Mundo, R.R., Rudiño-Piñera, E.	<b>Crystal structure of a class-mu glutathione S-transferase from whiteleg shrimp <i>Litopenaeus vannamei</i>: structural changes in the xenobiotic binding H-site may alter the spectra of molecules bound.</b>	<i>Journal of Biochemical and Molecular Toxicology</i> . Volume 31, Issue 2, 1 February 2017, Article number e21838	Class-mu GST; glutathione; glutathione S-transferase; <i>Litopenaeus vannamei</i> ; whiteleg shrimp	DOI:10.1002/jbt.21838	CIDC
4	Escorcía-García, J. Becerra-García, D., Mora-Ramos, M.E.	<b>Spatial localization of electromagnetic modes in noise-like random one-dimensional dielectric heterostructures.</b>	<i>Journal of the Optical Society of America B: Optical Physics</i> . Volume 34, Issue 2, 1 February 2017, Pages 507-515	Electromagnetic modes; Electromagnetic signals; Field intensity; Layered systems; Noise amplitude; Porous silicon layers; Spatial localization	DOI:10.1364/JOSAB.34.000507	CInC
5	Cruz-Castañeda, J., Aguilar-Ovando, E., Buhse, T., Ramos-Bernal, S., Meléndez-López, A., Camargo-Raya, C., Fuentes-Carreón, C., Negrón-Mendoza, A.	<b>The importance of glyceraldehyde radiolysis in chemical evolution.</b>	<i>Journal of Radioanalytical and Nuclear Chemistry</i> . Volume 311, Issue 2, 1 February 2017, Pages 1135-1141	Chemical evolution; Gamma irradiation; Glyceraldehyde; Primitive Earth	DOI: 10.1007/s10967-016-5080-2	CIQ

6	González-Abrego, M., <b>Hernández-Granados, A.</b> , Guerrero-Bermea, C., Martínez de la Cruz, A., García-Gutiérrez, D., Sepúlveda-Guzmán, S., Cruz-Silva, R.	<b>Mesoporous titania nanofibers by solution blow spinning.</b>	<i>Journal of Sol-Gel Science and Technology</i> . Volume 81, Issue 2, 1 February 2017, Pages 468-474	Ceramic nanofibers; Photocatalyst; Pluronic polymers; Sol-gel; Tetracycline	<b>DOI:</b> 10.1007/s10971-016-4210-1	<b>CIICAp</b>
7	Mayén, J. Abúndez, A., Alcudia, E., Arellano, J. A., Colín, J., <b>Pereyra, I.</b> , Puente-Lee, I.	<b>Fractographic relation between progressive failure and strain measurement techniques for recently developed configuration of carbon fiber/epoxy laminate.</b>	<i>Polymer Testing</i> . Volume 57, 1 February 2017, Pages 156-164	Carbon fiber/epoxy laminates; Composites; Fractography; SEM; Tensile failure	<b>DOI:</b> 10.1016/j.polymertesting.2016.10.036	<b>CIICAp</b>
8	Villegas, D., Arriaga, J., De León-Pérez, F., <b>Pérez-Álvarez, R.</b>	<b>Goos-Hänchen effect for optical vibrational modes in a semiconductor structure</b>	<i>Journal of Physics Condensed Matter</i> . Volume 29, Issue 12, 8 February 2017, Article number 125301	Optical phonons; phonon tunneling; semiconductor heterostructure	<b>DOI:</b> 10.1088/1361-648X/aa582b	<b>CInC</b>
9	Herrera, J., Luna, E., <b>Araiza-Durán, J.A.</b> , Salas, L., Sohn, E., Frayn, I.P., Ruiz, E., Cruz-Gonzalez, I.	<b>Optical characterization of the active push-pull cell for the 2.1 m telescope at OAN SPM</b>	<i>Applied Optics</i> . Volume 56, Issue 5, 10 February 2017, Pages 1489-1494	Optical design; Optical testing, Direction cosine; Hartmann; Optical characterization; Primary mirrors; Push pull	<b>DOI:</b> 10.1364/AO.56.001489	<b>CIICAp</b>
10	Baldenebro-López, J. Báez-Castro, A., Glossman-Mitnik, D. <b>Höpfel, H.</b> , Cruz-Enríquez, A., Miranda-Soto, V., Parra-Hake, M., Campos-Gaxiola, J.J.	<b>Vibrational spectroscopic study, structural analysis, photophysical properties and theoretical calculations of cis-(±)-2,4,5-tris(pyridin-2-yl)imidazoline.</b>	<i>Journal of Molecular Structure</i> . Volume 1130, 15 February 2017, Pages 951-962	DFT calculations; Imidazoline derivative; NMR spectroscopy; Photophysical properties; Vibrational spectroscopy; X-ray diffraction	<b>DOI:</b> 10.1016/j.molstruc.2016.10.075	<b>CIQ</b>
11	Avalos-Alanís, F.G., Hernández-Fernández, E., Carranza-Rosales, P., López-Cortina, S. Hernández-Fernández, J., <b>Ordóñez, M.</b> , Guzmán-Delgado, N.E., Morales-Vargas, A., Velázquez-Moreno, V.M., Santiago-Mauricio, M.G.	<b>Synthesis, antimycobacterial and cytotoxic activity of <math>\alpha,\beta</math>-unsaturated amides and 2,4-disubstituted oxazoline derivatives.</b>	<i>Bioorganic and Medicinal Chemistry Letters</i> . Volume 27, Issue 4, 15 February 2017, Pages 821-825	Antimycobacterial activity; Hepatotoxic activity; Organic synthesis; Unsaturated amides; $\alpha,\beta$ -2,4-Disubstituted oxazolines	<b>DOI:</b> 10.1016/j.bmcl.2017.01.024	<b>CIQ</b>
12	Verma, S. P., Rivera-Gómez, M. A., <b>Díaz-González, L.</b> , Pandarinath, K., Amezcua-Valdez, A., Rosales-Rivera, M., Verma, S.K. Quiroz-Ruiz, A., Armstrong-Altrin, J. S.	<b>Multidimensional classification of magma types for altered igneous rocks and application to their tectonomagmatic discrimination and igneous provenance of siliciclastic sediments.</b>	<i>LITHOS</i> , Volume 278, 321-330. 20 February 2017		<a href="http://dx.doi.org/10.1016/j.lithos.2017.02.005">http://dx.doi.org/10.1016/j.lithos.2017.02.005</a>	<b>CInC</b>

13	Alcaraz-Torres, A., <b>Gamboa-Suárez, A., Bernal-Uruchurtu, M.I.</b>	<b>Is Br<sub>2</sub> hydration hydrophobic?</b>	<i>Journal of Chemical Physics</i> . Volume 146, Issue 8, 28 February 2017, Article number 084501	Bromine; Hydration; Hydrophilicity; Hydrophobicity; Molecular dynamics	DOI:10.1063/1.4975688	CIQ
14	Báez-Castro, A., Baldenebro-López, J., Ceballos-Mendivil, L., <b>Román-Bravo, P.P., Höpfl, H,</b> Miranda-Soto, V., Glossman-Mitnik, D., Cruz-Enríquez, A., Campos-Gaxiola, J.J.	<b>Synthesis, crystal structure, DFT studies and photophysical properties of a copper(I)-triphenylphosphane complex based on trans-(±)-2,4,5-tris(pyridin-2-yl)-2-imidazoline.</b>	<i>Acta Crystallographica Section C: Structural Chemistry</i> . Volume 73, Issue 3, 1 March 2017, Pages 280-286	crystal structure; density functional theory; imidazoline ligand; mononuclear copper(I) complex; phosphane ligand; photophysical properties	DOI: 10.1107/S2053229617002522	CIQ
15	Gómez-Urrea, H.A., Duque, C.A., Pérez-Quintana, I.V., Mora-Ramos, M.E.	<b>Light propagation in two-dimensional photonic crystals based on uniaxial polar materials: results on polaritonic spectrum</b>	<i>Applied Physics B: Lasers and Optics</i> . Volume 123, Issue 3, 1 March 2017, Article number 66	Coremaking; Cylinders (shapes); Dielectric materials; Differential equations; Dispersion (waves); Energy gap; Filling; Finite difference time domain method; Light propagation; Maxwell equations; Nitrides; Phonons; Photonic crystals; Quantum theory; Spontaneous emission; Time domain analysis; Zinc sulfide	DOI: 10.1007/s00340-017-6654-6	CInC
16	Yesilgul, U., Sari, H., Urgan, F., Martínez-Orozco, J.C., Restrepo, R.L., Mora-Ramos, M.E., Duque, C.A., Sökmen, I.	<b>Effects of electromagnetic fields on the nonlinear optical properties of asymmetric double quantum well under intense laser field</b>	<i>Chemical Physics</i> . Volume 485-486, 1 March 2017, Pages 81-87	Asymmetric double quantum well; Electric and magnetic fields; Intense laser field; Nonlinear optical properties	DOI:10.1016/j.chemphys.2017.01.013	CInC
17	<b>León-Rivera, I.</b> del Río-Portilla, F., Enríquez, R.G., Rangel-López, E., Villeda, J., <b>Rios, M.Y.,</b> Navarrete-Vázquez, G., Hurtado-Días, I., Guzmán-Valdivieso, U., Núñez-Urquiza, V. Escobedo-Martínez, C	<b>Hepta-, hexa-, penta-, tetra-, and trisaccharide resin glycosides from three species of Ipomoea and their antiproliferative activity on two glioma cell lines.</b>	<i>Magnetic Resonance in Chemistry</i> . Volume 55, Issue 3, 1 March 2017, Pages 214-223	cytotoxicity; glioma; Ipomoea murucoides; Ipomoea purga; Ipomoea stans; resin glycoside	DOI:10.1002/mrc.4476	CIQ

18	<b>Ordóñez, M.</b> Viveros-Ceballos, J.L. Sayago, F.J., Cativiela, C.	<b>Stereoselective Synthesis of <math>\alpha</math>-Amino- H -phosphinic Acids and Derivatives</b>	<i>Synthesis (Germany)</i> . Volume 49, Issue 5, 1 March 2017, Article number ss-2016-m0533-sr, Pages 987-997	biological activity; stereoselective synthesis; $\alpha$ -amino acids; $\alpha$ -amino- H -phosphinates; $\alpha$ -amino- H -phosphinic acids	DOI: 10.1055/s-0036-1588617	<b>CIQ</b>
19	<b>Labra, L., Juárez-Romero, D.,</b> Siqueiros, J., Coronas, A., Salavera, D.	<b>Measurement of properties of a lithium bromide aqueous solution for the determination of the concentration for a prototype absorption machine.</b>	<i>Applied Thermal Engineering</i> . Volume 114, 5 March 2017, Pages 1186-1192	LiBr solution; Measurement; Properties; Prototype absorption machines	DOI:10.1016/j.applthermaleng.2016.10.162	<b>CIICAp</b>
20	Ramírez-Hernández, C. Escobedo-Trujillo, B.A. Colorado, D., Alaffita-Hernández, F.A., Morales, L.I., <b>Hernández, J.A.</b>	<b>Coefficient of performance prediction by a polynomial of a heat transformer with two-duplex components.</b>	<i>Applied Thermal Engineering</i> . Volume 114, 5 March 2017, Pages 1193-1202	Coefficient of performance; Heat transformer; Linear multiple regression; Matrix; Residual analysis; Water purification	DOI:10.1016/j.applthermaleng.2016.10.101	<b>CIICAp</b>
21	<b>Ibarra-Bahena, J.,</b> Dehesa-Carrasco, U., Montiel-González, M. Romero, R.J. Venegas-Reyes, E.	<b>Feasibility analysis of a hot water solar system coupled to an absorption heat transformer</b>	<i>Applied Thermal Engineering</i> . Volume 114, 5 March 2017, Pages 1176-1185	Absorption Heat Transformer; Parabolic Trough Collectors; Thermal energy recovery; Water/Carrol mixture	DOI:10.1016/j.applthermaleng.2016.05.140	<b>CIICAp</b>
22	<b>Figueroa, A.,</b> Cuevas, S. Ramos, E.	<b>Lissajous trajectories in electromagnetically driven vortices.</b>	<i>Journal of Fluid Mechanics</i> . Volume 815, 25 March 2017, Pages 415-434	chaotic advection; vortex dynamics	DOI:10.1017/jfm.2017.55	<b>CInC</b>
23	Salazar-Kuri, U. Antúnez, E.E., Estévez, J.O., Olive-Méndez, S.F., Silva-González, N.R., Agarwal, V.	<b>Formation of different micro-morphologies from VO<sub>2</sub> and ZnO crystallization using macro-porous silicon substrates</b>	Journal of Physics and Chemistry of Solids. Volume 104, 1 May 2017, Pages 21-31.	Crystallization; Metal oxides; Porous silicon	DOI: 0.1016/j.jpics.2016.12.024	<b>CIICAp</b>
24	Gómez-Urrea, H.A, Duque, C.A., <b>Mora-Ramos, M.E.</b>	<b>Bulk-like-phonon polaritons in one-dimensional photonic superlattices.</b>	<i>Photonics and Nanostructures - Fundamentals and Applications</i> . Volume 24, 1 May 2017, Pages 7-11	1D photonic crystal; Phonon-polaritons; Wurtzite AlN	DOI:10.1016/j.photonics.2016.12.003	<b>CInC</b>

25	Karlovich, A.Y., Karlovich, Y.I., Lebre, A.B.	<b>The index of weighted singular integral operators with shifts and slowly oscillating data</b>	<i>Journal of Mathematical Analysis and Applications</i> , Volume 450, Issue 1, 1 June 2017, Pages 606-630	Fredholmness; Index; Orientation-preserving shift; Semi-almost periodic function; Slowly oscillating function; Weighted Cauchy singular integral operator	<b>DOI:</b> 10.1016/j.jmaa.2017.01.052	<b>CInC</b>
26	Espinoza-Loyola, E., Karlovich, Y.I.	<b>C*-algebras of bergman type operators with piecewise continuous coefficients over bounded polygonal domains</b>	<i>Operator Theory: Advances and Applications</i> . Volume 258, 2017, Pages 145-171	Bergman and anti-bergman projections; Bounded simply connected polygonal domain; C*-algebra; Fredholmness; Invertibility; Symbol calculi		<b>CInC</b>
27	Medrano-Solís, A.B., León-Silva, U.: <b>Nicho, M.E.</b>	<b>3-Thiophenemalonic acid as corrosion inhibitor of copper</b>	<i>Anti-Corrosion Methods and Materials</i> . Volume 64, Issue 1, 2017, Pages 52-60	3-thiophenemalonic acid; Copper; Corrosion; Inhibitor; Sodium chloride; Sulfuric acid	<b>DOI:</b> 10.1108/ACMM-03-2015-1519	<b>CIICAp</b>
28	Tomasini-Montenegro, C., Santoyo-Castelazo, E., Gujba, H., <b>Romero, R.J., Santoyo, E.</b>	<b>Life cycle assessment of geothermal power generation technologies: An updated review</b>	<i>Applied Thermal Engineering</i> . Volume 114, 2017, Pages 1119-1136	Environmental impacts; Environmental legislation; Geothermal energy; Greenhouse gas emissions; Life cycle assessment; Sustainability	<b>DOI:</b> 10.1016/j.applthermaleng.2016.10.074	<b>CIICAp</b>