

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

Investigadores y estudiantes del IICBA

N°	TÍTULO	AUTORES	PUBLICACIÓN	CENTRO DE INV.	DOI
1	Optimization and Estimation of the Thermal Energy of an Absorber With Graphite Disks by Using Direct and Inverse Neural Network	Márquez-Nolasco, A., Conde-Gutiérrez, R.A., Hernández, J.A., Huicochea, A., Siqueiros, J., Pérez, O.R.	Journal of Energy Resources Technology, Transactions of the ASME, 140(2), art. no. 020901.	CIICap	https://doi.org/10.1115/1.4036544
2	Response surface methodology modeling to improve degradation of Chlorpyrifos in agriculture runoff using TiO2 solar photocatalytic in a raceway pond reactor	Amiri, H., Nabizadeh, R., Silva Martinez, S. , Jamaledin Shahtaheri, S., Yaghmaeian, K., Badiel, A., Nazmara, S., Naddafi, K.	Ecotoxicology and Environmental Safety, 147, pp. 919-925.	CIICap	https://doi.org/10.1016/j.ecoenv.2017.09.062
3	High-temperature corrosion investigation of the Inconel-600 in molten sulfate/vanadate mixtures using electrochemical techniques	García, N.S.F., Arteaga, C.C.	International Journal of Electrochemical Science, 12(10), pp. 9882-9895.	CIICap	https://doi.org/10.20964/2017.10.90
4	Waves in hyperbolic and double negative metamaterials including rogues and solitons	Boardman, A.D., Alberucci, A., Assanto, G., Grimalsky, V.V. , Kibler, B., McNiff, J., Nefedov, I.S., Rapoport, Y.G., Valagiannopoulos, C.A	Nanotechnology, 28(44), art. no. 444001.	CIICap	https://doi.org/10.1088/1361-6528/aa6792
5	Highly Stable, Tapered Fiber Filter-Assisted, Multi-Wavelength Q-Switched Er-Doped Fiber Laser Based on Tm-Ho fiber as a Saturable Absorber	Anzueto-Sanchez, G., Nunez-Gomez, R.E. Martinez-Rios, A., Camas-Anzueto, J., Castrellon-Uribe, J., Basurto-Pensado, M.	IEEE Photonics Journal. Articles not published yet, but available online Article in Press	CIICap	https://doi.org/10.1109/JPHOT.2017.2760340
6	Improvement of the morphological and electrical characteristics of Al ³⁺ , Fe ³⁺ and Bi ³⁺ -doped TiO ₂ compact thin films and their incorporation into hybrid solar cells	García Cerrillo, J., Corpus Mendoza, A.N., Moreno Romero, P.M., Hernández Granados, A. , Hu, H.	Materials Science in Semiconductor Processing, 72, pp. 106-114.	CIICap	https://doi.org/10.1016/j.mssp.2017.08.027
7	A novel displacement-amplifying compliant mechanism implemented on a modified capacitive accelerometer	Cabello-Ruiz, R., Tecpoyotl-Torres, M., Torres-Jacome, A., Grimalsky, V., Vera-Dimas, J.G., Vargas-Chable, P.	International Journal of Electrical and Computer Engineering, 7(4), pp. 1858-1866.	CIICap	https://doi.org/10.11591/ijece.v7i4.pp1858-1866
8	Noise induced regularity of porous silicon nanostructures electrochemically etched in the presence of a sub-threshold periodic signal	Roy, T., Rumandla, S., Agarwal, V. , Parmananda, P.	Journal of Applied Physics, 122(12), art. no. 124904.	CIICap	https://doi.org/10.1063/1.5004552
9	Methionine 109 plays a key role in Cu(II) binding to His111 in the 92-115 fragment of the human prion protein	Sánchez-López, C., Rivillas-Acevedo, L. , Cruz-Vásquez, O., Quintanar, L.	Inorganica Chimica Acta. Articles not published yet, but available online Article in Press	CIDC	https://doi.org/10.1016/j.ica.2017.09.046
10	Modeling the dynamics of chromosomal alteration progression in cervical cancer: A computational model	Cabrera-Becerril, A., Vargas-De-León, C., Hernández, S., Miramontes, P., Peralta, R.	PloS one, 12(7), p. e0180882.	CIDC	https://doi.org/10.1371/journal.pone.0180882
11	Two novel mutations in ZAP70 gene that result in human immunodeficiency	Llamas-Guillén, B.A., Pastor, N. , López-Herrera, G., González-Serrano, M.E., Valenzuela-Vázquez, L., Bravo-Adame, M.E., Villanueva-Cabello, T.M. , Gaytán, P., Yañez, J., Martinez-Duncker, I. , Ruiz-Fernández, M., Veillette, A., Espinosa-Padilla, S.E., Cruz-Munoz, M.E.	Clinical Immunology. Articles not published yet, but available online Article in Press	CIDC	https://doi.org/10.1016/j.clim.2017.09.005

12	Synthesis, structural investigation and DFT studies on the intramolecular interaction in group 14 (2-CH ₃ OC ₆ H ₄)CH ₂ MPh ₃ (M=Si, Ge, Sn, Pb) organometallic compounds	López-Cardoso, M., Vargas-Pineda, G., Román-Bravo, P., Rosas-Valdez, M.E., Ariza-Roldan, A., Razo-Hernández, R.S., Pannell, K., Cea-Olivares, R.	Inorganica Chimica Acta. Articles not published yet, but available online Article in Press	CIQ-CIDC	https://doi.org/10.1016/j.ica.2017.09.009
13	Real time monitoring of children, and adults with mental disabilities using a low-cost non-invasive electronic device	Polanco, C., Vazquez, I.I., Martinez-Rivas, A., Arias-Estrada, M., Buhse, T., Calva, J.J., Salinas, C.A., Hernández, C.P., Uversky, V.N.	Micromachines, 8(10), art. no. 292.	CIQ	https://doi.org/10.3390/mi8100292
14	Physical-chemical characterization of the textile dye Azo Ab52 degradation by corona plasma	Gómez, A., Torres-Arenas, A.J., Vergara-Sánchez, J., Torres, C., Reyes, P.G., Martínez, H., Saldarriaga-Noreña, H.	AIP Advances, 7(10), art. no. 105304.	CIQ	https://doi.org/10.1063/1.4993181
15	Nature of the guest-host interactions for dibromine in the T, P, and H clathrate cages	Batista-Romero, F.A., Pajón-Suárez, P., Roncero, O., Hernández-Lamonedá, R.	Journal of Chemical Physics, 147(15), art. no. 154301.	CIQ	https://doi.org/10.1063/1.4993465
16	Resin glycosides evoke the Gaba release by sodium- and/or calcium-dependent mechanism	Castro-García, J.M., León-Rivera, I., Gutiérrez, M.D.C.	Biomedicine and Pharmacotherapy, 97, pp. 496-502.	CIQ	https://doi.org/10.1016/j.biopha.2017.10.089
17	Are there intracellular Ca ²⁺ oscillations correlated with flagellar beating in human sperm? A three vs. two-dimensional analysis	Corkidi, G., Montoya, F., Hernández-Herrera, P., Ríos-Herrera, W.A., Müller, M.F., Treviño, C.L., Darszon, A.	Molecular Human Reproduction, 23(9), pp. 583-593.	CInC	https://doi.org/10.1093/molehr/gax039