

ARTÍCULOS DEL MES DE ENERO DE 2017

[ARTÍCULOS A] - ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS INCLUIDAS EN JCR

1. Pech-Rodriguez, W. J., Gonzalez-Quijano, D., Vargas-Gutierrez, G., Morais, C., Napporn, T. W. & Rodriguez-Varela, F. J. (2017). Electrochemical and in Situ Ftir Study of the Ethanol Oxidation Reaction on Ptmo/C Nanomaterials in Alkaline Media. [Applied Catalysis B-Environmental](#), 203, 654-662.
Rec #: 2
2. Cruz-Reyes, L., Fernandez, E., Sanchez, P., Coello-Coello, C. A. & Gomez, C. (2017). Incorporation of implicit decision-maker preferences in multi-objective evolutionary optimization using a multi-criteria classification method. [Applied Soft Computing](#), 50, 48-57.
Rec #: 3
3. Cano-Ramirez, H. & Hoffman, K. L. (2017). Activation of the orbitofrontal and anterior cingulate cortices during the expression of a naturalistic compulsive-like behavior in the rabbit. [Behavioural Brain Research](#), 320, 67-74.
Rec #: 6
4. Rodriguez-Manzo, G. & Canseco-Alba, A. (2017). A new role for GABAergic transmission in the control of male rat sexual behavior expression. [Behavioural Brain Research](#), 320, 21-29.
Rec #: 5
5. Machkour-M'Rabet, S., Vilchis-Nestor, C. A., Barriga-Sosa, I. A., Legal, L. & Henaut, Y. (2017). A molecular approach to understand the riddle of the invasive success of the tarantula, *Brachypelma vagans*, on Cozumel Island, Mexico. [Biochemical Systematics and Ecology](#), 70, 260-267.
Rec #: 7
6. Gutierrez-Gnecchi, J. A., Morfin-Magana, R., Lorias-Espinoza, D., Tellez-Anguiano, A. C., Reyes-Archundia, E., Mendez-Patino, A. & Castaneda-Miranda, R. (2017). Dsp-Based Arrhythmia Classification Using Wavelet Transform and Probabilistic Neural Network. [Biomedical Signal Processing and Control](#), 32, 44-56.
Rec #: 9
7. Aguilar-Castillo, A., Aguilar-Hernandez, J. R., Garcia-Hipolito, M., Lopez-Romero, S., Swarnkar, R. K., Baez-Rodriguez, A., Fragoso-Soriano, R. J. & Falcony, C. (2017). White Light Generation From Hfo2 Films Co-Doped With Eu3+ + Tb3+ Ions Synthesized by Pulsed Laser Ablation Technique. [Ceramics International](#), 43(1), 355-362.
Rec #: 10
8. Cui, Z.-H., Ding, Y.-H., Vassilev-Galindo, V., Cabellos, J. L., Orozco, M., Pan, S., Merino, G. & Osorio, E. (2017). Planar Pentacoordinate Carbon Atoms Embedded in a Metallocene Framework. [Chemical Communications](#), 53(1), 138-141.
Rec #: 11
9. Alcantar-Medina, K. O., Herrera-Trejo, M., Tlahuice-Flores, A., Martinez-Vargas, S., Oliva, J. & Martinez, A. I. (2017). Evolution of the Structural and Electronic Properties of Small Alkali Metal-Doped Aluminum Clusters. [Computational and Theoretical Chemistry](#), 1099, 55-63.
Rec #: 12

10. Lopez-Arevalo, I., Sosa-Sosa, V. J., Rojas-Lopez, F. & Tello-Leal, E. (2017). Improving Selection of Synsets From Wordnet for Domain-Specific Word Sense Disambiguation. [Computer Speech and Language](#), 41, 128-145.

Rec #: 13

11. Gomez-Flores, W. & Coelho de Albuquerque-Pereira, W. (2017). A contrast enhancement method for improving the segmentation of breast lesions on ultrasonography. [Computers in Biology and Medicine](#), 80, 14-23.

Rec #: 15

12. Dibene, J. C., Maldonado, Y., Trujillo, L., Vera, C., De Oliveira, M. & Schutze, O. (2017). Optimizing the location of ambulances in Tijuana, Mexico. [Computers in Biology and Medicine](#), 80, 107-113.

Rec #: 14

13. Salgado, I., Cruz-Ortiz, D., Camacho, O. & Chairez, I. (2017). Output Feedback Control of a Skid-Steered Mobile Robot Based on the Super Twisting Algorithm. [Control Engineering Practice](#), 58, 193-203.

Rec #: 16

14. Mazhari, S. M., Montaser-Kouhsari, S. & Ramirez, A. (2017). A Novel Frequency-Domain Approach for Distributed Harmonic Analysis of Multi-Area Interconnected Power Systems. [Electric Power Systems Research](#), 143, 669-681.

Rec #: 18

15. Cabrera, I. R., Barocio, E., Betancourt, R. J. & Messina, A. R. (2017). A Semi-Distributed Energy-Based Framework for the Analysis and Visualization of Power System Disturbances. [Electric Power Systems Research](#), 143, 339-346.

Rec #: 17

16. Clempner, J. B. & Poznyak, A. S. (2017). Multiobjective Markov Chains Optimization Problem With Strong Pareto Frontier: Principles of Decision Making. [Expert Systems With Applications](#), 68, 123-135.

Rec #: 19

17. Luna-Valdez, J. G., Balandran-Quintana, R. R., Azamar-Barrios, J. A., Clamont-Montfort, G. R., Mendoza-Wilson, A. M., Mercado-Ruiz, J. N., Madera-Santana, T. J., Rascon-Chu, A. & Chaquilla-Quilca, G. (2017). Structural and Physicochemical Characterization of Nanoparticles Synthesized From an Aqueous Extract of Wheat Bran by a Cold-Set Gelation/Desolvation Approach. [Food Hydrocolloids](#), 62, 165-173.

Rec #: 20

18. Sanchez-Rodriguez, R., Torres-Mena, J. E., Quintanar-Jurado, V., Chagoya-Hazas, V., Rojas-Del Castillo, E., Del Pozo-Yauner, L., Villa-Trevino, S. & Perez-Carreón, J. I. (2017). Ptg1 Expression Is Regulated by Nrf2 in Rat Hepatocarcinogenesis and Promotes Cell Proliferation and Resistance to Oxidative Stress. [Free Radical Biology and Medicine](#), 102, 87-99.

Rec #: 21

19. Lopez-Hidalgo, A. M., Sanchez, A. & De Leon-Rodriguez, A. (2017). Simultaneous Production of Bioethanol and Biohydrogen by Escherichia Coli Wdhl Using Wheat Straw Hydrolysate as Substrate. [Fuel](#), 188, 19-27.

Rec #: 22

20. Puente-Siller, D. M., Fuentes-Aceituno, J. C. & Nava-Alonso, F. (2017). An analysis of the efficiency and sustainability of the thiosulfate-copper-ammonia-monoethanolamine system for the recovery of silver as an alternative to cyanidation. [Hydrometallurgy](#), 169, 16-25.

Rec #: 23

21. Campillo-Navarro, M., Leyva-Paredes, K., Donis-Maturano, L. et al. (2017). *Listeria Monocytogenes* Induces Mast Cell Extracellular Traps. [Immunobiology](#), 222(2), 432-439.

Rec #: 24

22. Peraza-Mues, G. G., Carvente, O. & Moukarzel, C. F. (2017). Rotation in a gravitational billiard. [International Journal of Modern Physics C](#), 28(1), 1750021.

Rec #: 25

23. Pavlic, O., Ibarra-Hernandez, W., Valencia-Jaime, I., Singh, S., Avendano-Franc, G., Raabe, D. & Romero, A. H. (2017). Design of Mg Alloys: the Effects of Li Concentration on the Structure and Elastic Properties in the Mg-Li Binary System by First Principles Calculations. [Journal of Alloys and Compounds](#), 691, 15-25.

Rec #: 29

24. Soltani, N., Soltani, S., Bahrami, A., Pech-Canul, M. I., Gonzalez, L. A., Muller, A., Tapp, J. & Gurlo, A. (2017). Electrical and Thermomechanical Properties of Cvi- Si₃N₄ Porous Rice Husk Ash Infiltrated by Al-Mg-Si Alloys. [Journal of Alloys and Compounds](#), 696, 856-868.

Rec #: 28

25. Bahrami, A., Soltani, N., Soltani, S., Pech-Canul, M. I., Gonzalez, L. A., Gutierrez, C. A., Muller, A., Tapp, J. & Gurlo, A. (2017). Mechanical, thermal and electrical properties of monolayer and bilayer graded Al/SiC/rice husk ash (RHA) composite. [Journal of Alloys and Compounds](#), 699, 308-322.

Rec #: 27

26. Bahrami, A., Pech-Canul, M. I., Soltani, N., Gutierrez, C. A., Kamm, P. H. & Gurlo, A. (2017). Tailoring Microstructure and Properties of Bilayer-Graded Al/B₄C/MgAl₂O₄ Composites by Single-Stage Pressureless Infiltration. [Journal of Alloys and Compounds](#), 694, 408-418.

Rec #: 26

27. Strakosas, X., Huerta, M., Donahue, M. J., Hama, A., Pappa, A. M., Ferro, M., Ramuz, M., Rivnay, J. & Owens, R. M. (2017). Catalytically Enhanced Organic Transistors for in Vitro Toxicology Monitoring Through Hydrogel Entrapment of Enzymes. [Journal of Applied Polymer Science](#), 134(7).

Rec #: 30

28. Bauer, W. & Vasilevski, N. (2017). On Algebras Generated by Toeplitz Operators and Their Representations. [Journal of Functional Analysis](#), 272(2), 705-737.

Rec #: 31

29. Mendoza-Figueroa, H., Martinez-Gudino, G., Villanueva-Luna, J. E., Trujillo-Serrato, J. J. & Morales-Rios, M. S. (2017). Pharmacophore modeling and conformational analysis in the gas phase and in aqueous solution of regioisomeric melatonin analogs. A theoretical and experimental study. [Journal of Molecular Structure](#), 1133, 534-545.

Rec #: 33

30. Labra-Vazquez, P., Palma-Contreras, M., Santillan, R. & Farfan, N. (2017). Vibrational, Structural and Electronic Study of a Pyridinium Salt Assisted by Sxrd Studies and Dft Calculations. [Journal of Molecular Structure](#), 1131, 156-162.

Rec #: 32

31. Duarte-Hernandez, A. M., Montes-Tolentino, P., Ramos-Garcia, I., Ramos-Organillo, A., Villasenor-Granados, T., Suarez-Moreno, G. V., Contreras, R. & Flores-Parra, A. (2017). 2-phenyl-2-(p-tosylamino)acetic acid, a versatile pro-ligand for organotin compounds. [Journal of Organometallic Chemistry](#), 830, 120-130.

Rec #: 34

32. Espinoza, J. H. & Mercado-Uribe, H. (2017). Visible light neutralizes the effect produced by ultraviolet radiation in-áproteins. [Journal of Photochemistry and Photobiology B-Biology](#), 167, 15-19.

Rec #: 35

33. Martinez-Bernal, J., Pitones, Y. & Villarreal, R. H. (2017). Minimum Distance Functions of Graded Ideals and Reed-Muller-Type Codes. [Journal of Pure and Applied Algebra](#), 221(2), 251-275.

Rec #: 36

34. Gitler, I., Reyes, E. & Vega, J. A. (2017). Cio and Ring Graphs: Deficiency and Testing. [Journal of Symbolic Computation](#), 79, 249-268.

Rec #: 37

35. Gomez-Coello, A., Valadez-Jimenez, V. M., Cisneros, B., Carrillo-Mora, P., Parra-Cardenas, M., Hernandez-Hernandez, O. & Magana, J. J. (2017). Voice Alterations in Patients With Spinocerebellar Ataxia Type 7 (Sca7): Clinical-Genetic Correlations. [Journal of Voice](#), 31(1), 123.e1-123.e5.

Rec #: 38

36. Santiago-Garcia, P. A., Mellado-Mojica, E., Leon-Martinez, F. M. & Lopez, M. G. (2017). Evaluation of Agave angustifolia fructans as fat replacer in the cookies manufacture. [Lwt-Food Science and Technology](#), 77, 100-109.

Rec #: 39

37. Courel, M., Andrade-Arvizu, J. A., Guillen-Cervantes, A., Nicolas-Marin, M. M., Pulgarin-Agudelo, F. A. & Vigil-Galan, O. (2017). Optimization of Physical Properties of Spray-Deposited Cu₂ZnSnS₄ Thin Films for Solar Cell Applications. [Materials & Design](#), 114, 515-520.

Rec #: 40

38. Rivera, S. I., Carrillo, F. J., Garcia, A. & Oliva, J. (2017). Up-Conversion of Luminescence in Ypo₄:Er³⁺ Powders. A New Technique. [Materials Letters](#), 187, 83-85.

Rec #: 41

39. Vazquez-Hernandez, F., Mendoza-Acevedo, S., Mendoza-Barrera, C. O., Mendoza-Alvarez, J. & Luna-Arias, J. P. (2017). Antibody-Coupled Hydroxyapatite Nanoparticles as Efficient Tools for Labeling Intracellular Proteins. [Materials Science & Engineering C-Materials for Biological Applications](#), 71, 909-918.

Rec #: 44

40. Acuna-Gutierrez, I. O., Escobedo-Bocardo, J. C., Almanza-Robles, J. M., Cortes-Hernandez, D. A., Saldivar-Ramirez, M. M. G., Resendiz-Hernandez, P. J. & Zugasti-Cruz, A. (2017). Development of LiCl-Containing Calcium Aluminate Cement for Bone Repair and Remodeling Applications. [Materials Science & Engineering C-Materials for Biological Applications](#), 70, 357-363.

Rec #: 43

41. Ferreira-Garcia, M. G., Hernandez-Martinez, A. R., Esparza, R., Molina, G. A., Rodriguez-Melgarejo, F., Jimenez, S. & Estevez, M. (2017). Effects of Extraction Solvents on Photoluminescent Properties of Eysenhardtia Polystachia and Their Potential Usage as Biomarker. [Materials Science & Engineering C-Materials for Biological Applications](#), 72, 42-52.

Rec #: 42

42. Daza, L. G., Castro-Rodriguez, R., Martin-Tovar, E. A. & Iribarren, A. (2017). Cdte Films Grown Using a Rotating Sublimate Vapor Effusion Source in Glancing Angle Deposition Mode. [Materials Science in Semiconductor Processing](#), 59, 23-28.

Rec #: 45

43. De la Cruz-Barron, M., Cruz-Mendoza, A., Ortiz-Gutierrez, D. et al. (2017). The Bacterial Community Structure and Dynamics of Carbon and Nitrogen When Maize (*Zea Mays* L.) And Its Neutral Detergent Fibre Were Added to Soil From Zimbabwe With Contrasting Management Practices. [Microbial Ecology](#), 73(1), 135-152.

Rec #: 46

44. Alonso-Gonzalez, O., Jimenez-Velasco, C., Nava-Alonso, F., Alvarado-Hernandez, F. & Gonzalez-Anaya, J. A. (2017). Free cyanide analysis by silver nitrate titration with sulfide ion as interference. [Minerals Engineering](#), 105, 19-21.

Rec #: 47

45. Alvarado-Cruz, I., Sanchez-Guerra, M., Hernandez-Cadena, L. et al. (2017). Increased Methylation of Repetitive Elements and Dna Repair Genes Is Associated With Higher Dna Oxidation in Children in an Urbanized, Industrial Environment. [Mutation Research/Genetic Toxicology and Environmental Mutagenesis](#), 813, 27-36.

Rec #: 48

46. Villanueva-Castillo, C., Tecuatl, C., Herrera-Lopez, G. & Galvan, E. J. (2017). Aging-related impairments of hippocampal mossy fibers synapses on CA3 pyramidal cells. [Neurobiology of Aging](#), 49, 119-137.

Rec #: 49

47. Tang, J., Zhang, J., Wu, Z., Liu, Z., Chai, T. & Yu, W. (2017). Modeling Collinear Data Using Double-Layer Ga-Based Selective Ensemble Kernel Partial Least Squares Algorithm. [Neurocomputing](#), 219, 248-262.

Rec #: 50

48. Fernandez-Guasti, A., Olivares-Nazario, M., Reyes, R. & Martinez-Mota, L. (2017). Sex and Age Differences in the Antidepressant-Like Effect of Fluoxetine in the Forced Swim Test. [Pharmacology Biochemistry and Behavior](#), 152, 81-89.

Rec #: 52

49. Jayaraman, V. K., Maldonado-Alvarez, A. & Olvera-Amador, M. L. (2017). Effect of Substrate Temperature on Structural, Morphological, Optical and Electrical Properties of Igzo Thin Films. [Physica E-Low-Dimensional Systems & Nanostructures](#), 86, 164-167.

Rec #: 53

50. Dutt, A., Santana-Rodriguez, G., Ramos, E., Marel-Monroy, B., Matsumoto, Y. & Santoyo-Salazar, J. (2017). Surface Chemistry and Density Distribution Influence on Visible Luminescence of Silicon Quantum Dots: an Experimental and Theoretical Approach. [Physical Chemistry Chemical Physics](#), 19(2), 1526-1535.

Rec #: 54

51. Quintero, N. (2017). Constraints on lepton number violating short-range interactions from $|\Sigma(L)| = 2$ processes. [Physics Letters B](#), 764, 60-65.

Rec #: 55

52. Ayon-Reyna, L. E., Gonzalez-Robles, A., Rendon-Maldonado, J. G., Baez-Flores, M. E., Lopez-Lopez, M. E. & Vega-Garcia, M. O. (2017). Application of a Hydrothermal-Calcium Chloride Treatment to Inhibit Postharvest Anthracnose Development in Papaya. [Postharvest Biology and Technology](#), 124, 85-90.

Rec #: 56

53. Arrieta-Cortes, R., Farias, P., Hoyo-Vadillo, C. & Kleiche-Dray, M. (2017). Carcinogenic Risk of Emerging Persistent Organic Pollutant Perfluorooctane Sulfonate (Pfos): a Proposal of Classification. [Regulatory Toxicology and Pharmacology](#), 83, 66-80.

Rec #: 57

54. Pariona, N., Martinez, A. I., Hernandez-Flores, H. & Clark-Tapia, R. (2017). Effect of Magnetite Nanoparticles on the Germination and Early Growth of Quercus Macdougalii. [Science of the Total Environment](#), 575, 869-875.

Rec #: 58

55. Pacheco, C. G. (2017). Random eigenvalues from a stochastic heat equation. [Statistics & Probability Letters](#), 123, 114-121.

Rec #: 60

56. Gutierrez-Villagomez, J. M., Vazquez-Martinez, J., Ramirez-Chavez, E., Molina-Torres, J. & Trudeau, V. L. (2017). Analysis of Naphthenic Acid Mixtures as Pentafluorobenzyl Derivatives by Gas Chromatography-Electron Impact Mass Spectrometry. [Talanta](#), 162, 440-452.

Rec #: 61

57. Oliva, A. I., Lugo, J. M., Gurubel-Gonzalez, R. A., Centeno, R. J., Corona, J. E. & Aviles, F. (2017). Temperature coefficient of resistance and thermal expansion coefficient of 10-nm thick gold films. [Thin Solid Films](#), 623, 84-89.

Rec #: 63

58. Andrade-Guel, M. L., Diaz-Jimenez, L. & Cortes-Hernandez, D. A. (2017). Ultrasound-Assisted Sol-Gel Synthesis of ZrO₂. [Ultrasonics Sonochemistry](#), 35, 514-517.

Rec #: 64

59. Bautista-Carbajal, P., Soto-Acosta, R., Angel-Ambrocio, A. H., Cervantes-Salazar, M., Loranca-Vega, C. I., Herrera-Martinez, M. & Del Angel, R. M. (2017). The Calmodulin Antagonist W-7 (N-(6-Aminoethyl)-5-Chloro-1-Naphthalenesulfonamide Hydrochloride) Inhibits Denv Infection in Huh-7 Cells. [Virology](#), 501, 188-198.

Rec #: 65

[ARTÍCULOS B] – ARTÍCULOS PUBLICADOS EN EXTENSO EN OTRAS REVISTAS ESPECIALIZADAS (INCLUIDO EL ÍNDICE DE REVISTAS MEXICANAS DE INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA)

60. Carlos, C. C., Naytze, O. P., Ariadna, G. O. & Irma, R. O. (2017). Crystal Structure of Bis{Mu-(E)-2-[(2-Oxidophenyl-Imino)Methyl]Quinolin-8-Olato-Kappa O-4,N,N',O'}-Bis[Dibutyltin(IV)]}. [Acta Crystallographica Section E-Crystallographic Communications](#), 73, 4-+.

Rec #: 1

61. Ventura-Aquino, E. & Paredes, R. G. (2017). Animal Models in Sexual Medicine: The Need and Importance of Studying Sexual Motivation. [Sexual Medicine Reviews](#), 5(1), 5-19.

Rec #: 59

62. Medina-Molotla, N., Thorsteinsdottir, H., Frixione, E. & Kuri-Harcuch, W. (2017). Some factors limiting transfer of biotechnology research for health care at Cinvestav: A Mexican scientific center. [Technology in Society](#), 48, 1-10.

Rec #: 62

[ARTÍCULOS E] – CARTAS AL EDITOR O COMENTARIOS PUBLICADOS EN REVISTAS INTERNACIONALES

63. Fernandez-Guasti, A. (2017). Sex Differences on Drugs Affecting Behavior. [Pharmacology Biochemistry and Behavior](#), 152, 1-3.

Rec #: 51

ARTÍCULOS R (2.2)] – ARTÍCULOS DE REVISIÓN PUBLICADOS EN REVISTAS O LIBROS RECONOCIDOS

64. Morales-Medina, J. C., Iannitti, T., Freeman, A. & Caldwell, H. K. (2017). The Olfactory Bulbectomized Rat as a Model of Depression: the Hippocampal Pathway. [Behavioural Brain Research](#), 317, 562-575.

Rec #: 4

65. Vargas-Martinez, F., Schanler, R. J., Abrams, S. A. et al. (2017). Oxytocin, a Main Breastfeeding Hormone, Prevents Hypertension Acquired in Utero: a Therapeutics Preview. [Biochimica Et Biophysica Acta-General Subjects](#), 1861(1), 3071-3084.

Rec #: 8

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