

## ARTÍCULOS DEL MES DE FEBRERO DE 2017

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

1. Rendon-Angeles, J. C., Matamoros-Veloza, Z., Gonzalez, L. A., Lopez-Cuevas, J., Ueda, T., Yanagisawa, K., Hernandez-Calderon, I. & Garcia-Rocha, M. (2017). Rapid hydrothermal synthesis of SrMo<sub>1-x</sub>W<sub>x</sub>O<sub>4</sub> powders: Structure and luminescence characterization. [Advanced Powder Technology](#), 28(2), 629-640.  
Rec #: 66
2. Alfaro, C. A., Corrales, H. & Valencia, C. E. (2017). Critical ideals of signed graphs with twin vertices. [Advances in Applied Mathematics](#), 86, 99-131.  
Rec #: 67
3. Gomez-Heredia, C. L., Macias, J., Ordonez-Miranda, J., Ares, O. & Alvarado-Gil, J. J. (2017). Diffusive-to-Ballistic Transition of the Modulated Heat Transport in a Rarefied Air Chamber. [Aip Advances](#), 7(1), 015032.  
Rec #: 68
4. Torres-Irineo, E., Dreyfus-Leon, M., Gaertner, D., Salas, S. & Marchal, P. (2017). Adaptive Responses of Tropical Tuna Purse-Seiners Under Temporal Regulations. [Ambio](#), 46(1), 88-97.  
Rec #: 69
5. Simon, M., Diaz, N., Solorzano, E., Montiel, R., Francalacci, P. & Malgosa, A. (2017). Dissecting mitochondrial Dna variability of balearic populations from the bronze age to the current era. [American Journal of Human Biology](#), 29, e22883.  
Rec #: 164
6. Jaimes-Najera, A. & Rosas-Ortiz, O. (2017). Interlace properties for the real and imaginary parts of the wave functions of complex-valued potentials with real spectrum. [Annals of Physics](#), 376, 126-144.  
Rec #: 70
7. Lagunas-Martinez, A., Garcia-Villa, E., Arellano-Gaytan, M., Contreras-Ochoa, C. O., Dimas-Gonzalez, J., Lopez-Arellano, M. E., Madrid-Marina, V. & Gariglio, P. (2017). Mg132 Plus Apoptosis Antigen-1 (Apo-1) Antibody Cooperate to Restore P53 Activity Inducing Autophagy and P53-Dependent Apoptosis in Hpv16 E6-Expressing Keratinocytes. [Apoptosis](#), 22(1), 27-40.  
Rec #: 71
8. Trejo, K. K., Clempner, J. B. & Poznyak, A. S. (2017). Computing the Strong L-P - Nash Equilibrium for Markov Chains Games: Convergence and Uniqueness. [Applied Mathematical Modelling](#), 41, 399-418.  
Rec #: 72
9. Cervantes-Lopez, J. L., Rangel, R., Espino, J., Martinez, E., Garcia-Gutierrez, R., Bartolo-Perez, P., Alvarado-Gil, J. J. & Contreras, O. E. (2017). Photoluminescence on Cerium-Doped ZnO Nanorods Produced Under Sequential Atomic Layer Deposition-Hydrothermal Processes. [Applied Physics a-Materials Science & Processing](#), 123(1), 86.  
Rec #: 73

10. Guerrero-Serrano, G., Castanedo, L., Cristobal-Mondragon, G. R., Montalvo-Arredondo, J., Riego-Ruiz, L., De las Penas, A., Castano, I., Calera, M. R. & Sanchez-Olea, R. (2017). Npa3/ScGpn1 carboxy-terminal tail is dispensable for cell viability and Rna polymerase II nuclear targeting but critical for microtubule stability and function. [Biochimical Et Biophysica Acta](#), 1864, 451-462.

Rec #: 165

11. Barrera-Cortes, J., Valdez-Castro, L., Salgado-Urias, D. S., Lina-Garcia, L. P. & Solorza-Feria, O. (2017). Reducing the Microcapsule Diameter by Micro-Emulsion to Improve the Insecticidal Activity of Bacillus Thuringiensis Encapsulated Formulations. [Biocontrol Science and Technology](#), 27(1), 42-57.

Rec #: 74

12. Lopez-Alvarez, G. S., Wojdacz, T. K., Garcia-Cuellar, C. M. et al. (2017). Gene silencing of Nox4 by CpG island methylation during hepatocarcinogenesis in rats. [Biology Open](#), 6, 59-70.

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13. De Alba-Aguayo, D. R., Pavon, N., Mercado-Morales, M., Miranda-Saturnino, M., Lopez-Casamichana, M., Guerrero-Hernandez, A. & Rueda, A. (2017). Increased calcium leak associated with reduced calsequestrin expression in hyperthyroid cardiomyocytes. [Cell Calcium](#), 62, 29-40.

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14. Bellon, A., Iyer, A., Bridi, S. et al. (2017). miR-182 Regulates Slit2-Mediated Axon Guidance by Modulating the Local Translation of a Specific mRNA. [Cell Reports](#), 18(5), 1171-1186.

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15. Wetzel, F., Mittag, S., Cano-Cortina, M., Wagner, T., Kramer, O., Niedenthal, R., Gonzalez-Mariscal, L. & Huber, O. (2017). Sumoylation Regulates the Intracellular Fate of Zo-2. [Cellular and Molecular Life Sciences](#), 74(2), 373-392.

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16. Gimenez, A. J., Luna-Barcenas, G., Yanez-Limon, J. M., Esparza, R., Jimenez-Sandoval, S. & Medellin-Rodriguez, F. J. (2017). Electronic paper from facile, two-step deposition of CuS. [Cellulose](#), 24, 1069-1075.

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17. Mendez-Lozano, N., Velazquez-Castillo, R., Rivera-Munoz, E. M., Bucio-Galindo, L., Mondragon-Galicia, G., Manzano-Ramirez, A., Ocampo, M. A. & Apatiga-Castro, L. M. (2017). Crystal Growth and Structural Analysis of Hydroxyapatite Nanofibers Synthesized by the Hydrothermal Microwave-Assisted Method. [Ceramics International](#), 43(1), 451-457.

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18. Torres-Martinez, L. M., Ruiz-Gomez, M. A. & Moctezuma, E. (2017). Features of crystalline and electronic structures of Sm<sub>2</sub>MTaO<sub>7</sub> (M=Y, In, Fe) and their hydrogen production via photocatalysis. [Ceramics International](#), 43(5), 3981-3992.

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19. Gamon, E., Almanza, J. M., Cortes, D. A. & Escobedo, J. C. (2017). Wetting of plasma-sprayed coatings of SrAl<sub>2</sub>Si<sub>2</sub>O<sub>8</sub> (SrAsi), BaAl<sub>2</sub>Si<sub>2</sub>O<sub>8</sub> (BASi) and Sr<sub>4</sub>Al<sub>6</sub>O<sub>12</sub>SO<sub>4</sub> (SAISr) by Al-12Si alloy. [Ceramics International](#), 43(5), 4205-4211.

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20. Cruz-Ortiz, B. R., Hamilton, J. W. J., Pablos, C. et al. (2017). Mechanism of photocatalytic disinfection using titania-graphene composites under UV and visible irradiation. [Chemical Engineering Journal](#), 316, 179-186.

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21. Buendia-Monreal, M. & Gillmor, C. S. (2017). Convergent repression of miR156 by sugar and the CDK8 module of Arabidopsis Mediator. [Developmental Biology](#), 423(1), 19-23.  
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22. Rergis, C. M., Betancourt, R. J. & Messina, A. R. (2017). Order Reduction of Power Systems by Modal Truncated Balanced Realization. [Electric Power Components and Systems](#), 45(2), 147-158.  
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23. Zamora, A., Venkatasubramanian, V. M., Serna, J. A. D., Ramirez, J. M. & Paternina, M. R. A. (2017). Multi-Dimensional Ringdown Modal Analysis by Filtering. [Electric Power Systems Research](#), 143, 748-759.  
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24. Lizama-Perez, L. A., Lopez, J. M. & Lopez, E. D. (2017). Quantum Key Distribution in the Presence of the Intercept-Resend With Faked States Attack. [Entropy](#), 19(1), 4.  
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25. Enrique, A., Goicoechea, S., Castano, R., Taborda, F., Rocha, L., Orozco, S., Girardi, E. & Blanch, L. B. (2017). New model of pharmacoresistant seizures induced by 3-mercaptopropionic acid in mice. [Epilepsy Research](#), 129, 8-16.  
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26. Gomez-Gutierrez, D., Vazquez, C. R., Celikovskiy, S., Ramirez-Trevino, A. & Castillo-Toledo, B. (2017). On the distinguishability and observer design for single-input single-output continuous-time switched affine systems under bounded disturbances with application to chaos-based modulation. [European Journal of Control](#), 34, 49-58.  
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27. Salinas-Abarca, A. B., Avila-Rojas, S. H., Barragan-Iglesias, P., Pineda-Farias, J. B. & Granados-Soto, V. (2017). Formalin injection produces long-lasting hypersensitivity with characteristics of neuropathic pain. [European Journal of Pharmacology](#), 797, 83-93.  
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28. Maldonado-Ramirez, M., Rzedawski-Calderon, M. & Villa-Salvador, G. (2017). Genus Fields of Congruence Function Fields. [Finite Fields and Their Applications](#), 44, 56-75.  
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29. Saldana, A., Salas, S., Arce-Ibarra, A. M. & Torres-Irineo, E. (2017). Fishing operations and adaptive strategies of small-scale fishers: insights for fisheries management in data-poor situations. [Fisheries Management and Ecology](#), 24, 19-32.  
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30. Perez-Leanos, A., Ramirez Loustalot-Laclette, M., Nazario-Yepiz, N. & Markow, T. A. (2017). Ectoparasitic mites and their Drosophila hosts. [Fly](#), 11(1), 10-18.  
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31. Munguia-Fuentes, R., Yam-Puc, J. C., Silva-Sanchez, A., Marcial-Juarez, E., Gallegos-Hernandez, I. A., Calderon-Amador, J., Randall, T. D. & Flores-Romo, L. (2017). Immunization of Newborn Mice Accelerates the Architectural Maturation of Lymph Nodes, but Aid-Dependent Igg Responses Are Still Delayed Compared to the Adult. [Frontiers in Immunology](#), 8, 13.  
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32. Balandran, J. C., Purizaca, J., Enciso, J. et al. (2017). Pro-Inflammatory-Related Loss of Cxcl12 Niche Promotes Acute Lymphoblastic Leukemic Progression at the Expense of Normal Lymphopoiesis. [Frontiers in Immunology](#), 7, 666.

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33. Rodriguez-Torres, M. D., Islas-Robles, A., Gomez-Lunar, Z., Delaye, L., Hernandez-Gonzalez, I., Souza, V., Travisano, M. & Olmedo-Alvarez, G. (2017). Phenotypic Microdiversity and Phylogenetic Signal Analysis of Traits Related to Social Interaction in Bacillus Spp. From Sediment Communities. [Frontiers in Microbiology](#), 8, 29.

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34. Gonzalez-Bautista, E., Santana-Morales, J. C., Rios-Franquez, F. J., Poggi-Varaldo, H. M., Ramos-Valdivia, A. C., Cristiani-Urbina, E. & Ponce-Noyola, T. (2017). Phenolic compounds inhibit cellulase and xylanase activities of Cellulomonas flavigena PR-22 during saccharification of sugarcane bagasse. [Fuel](#), 196, 32-35.

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35. Lopez-Gonzalez, R. C., Gomez-Cornelio, S., De la Rosa-Garcia, S. C., Garrido, E., Oropeza-Mariano, O., Heil, M. & Partida-Martinez, L. P. (2017). The age of lima bean leaves influences the richness and diversity of the endophytic fungal community, but not the antagonistic effect of endophytes against Colletotrichum lindemuthianum. [Fungal Ecology](#), 26, 1-10.

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36. Bahrami, A., Simon, U., Soltani, N., Zavareh, S., Schmidt, J., Pech-Canul, M. I. & Gurlo, A. (2017). Eco-Fabrication of Hierarchical Porous Silica Monoliths by Ice-Templating of Rice Husk Ash. [Green Chemistry](#), 19(1), 188-195.

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37. Gonzalez-Mariscal, G., Gallegos, J. A., Rueda-Morales, R. I. & Hoffman, K. (2017). Estrogen-dependent estrous behavior in rabbits is antagonized by the antiprogestin RU486. [Hormones and Behavior](#), 89, 189-192.

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38. Poznyak A.s. (2017). Sliding Mode Control in Stochastic Continuous-Time Systems: Mu-Zone Ms-Convergence. [Ieee Transactions on Automatic Control](#), 62(2), 863-868.

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39. Arechavaleta, G., Morales-Diaz, A., Perez-Villeda, H. M. & Castelan, M. (2017). Hierarchical Task-Based Control of Multirobot Systems With Terminal Attractors. [Ieee Transactions on Control Systems Technology](#), 25(1), 334-341.

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40. Luna, C. M., Moreno, P. & Loo-Yau, J. R. (2017). Transformer Model With Saturation Effects for Frequency-Domain Transients Simulation. [Iet Generation, Transmission & Distribution](#), 11(1), 49-56.

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41. Alcantara-Sanchez, F., Leyva-Castillo, L. E., Chagolla-Lopez, A., Gonzalez de la Vara, L. & Gomez-Lojero, C. (2017). Distribution of isoforms of ferredoxin-NADP+ reductase (FNR) in cyanobacteria in two growth conditions. [International Journal of Biochemistry & Cell Biology](#), 85, 123-134.

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42. Franco, I., Ortiz-Lopez, L., Roque-Ramirez, B., Ramirez-Rodriguez, G. B. & Lamas, M. (2017). Pharmacological inhibition of DNA methyltransferase 1 promotes neuronal differentiation from rodent and human nasal olfactory stem/progenitor cell cultures. [International Journal of Developmental Neuroscience](#), 58, 65-73.

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43. Willars-Rodriguez, F. J., Chavez-Urbiola, E. A., Vorobiev, P. & Vorobiev, Y. V. (2017). Investigation of solar hybrid system with concentrating Fresnel lens, photovoltaic and thermoelectric generators. [International Journal of Energy Research](#), 41, 377-388.

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45. Zambrano, H., Sigalotti, L. G., Klapp, J., Pena-Polo, F. & Bencomo, A. (2017). Heavy oil slurry transportation through horizontal pipelines: Experiments and CFD simulations. [International Journal of Multiphase Flow](#), 91, 130-141.

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46. Lemus-Castellanos, A. E., Troconiz, I. F., Garrido, M. J., Granados-Soto, V. & Flores-Murrieta, F. J. (2017). Population Pharmacokinetics of Clarithromycin in Mexican Hospitalized Patients With Respiratory Disease: Evidence for a Reduced Clearance. [International Journal of Pharmacology](#), 13(1), 54-63.

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47. Rodriguez-Paez, C. L., Carballo-Carballo, A., Rico-Molina, R., Hernandez-Aguilar, C., Dominguez-Pacheco, A., Cruz-Orea, A. & Moreno-Martinez, E. (2017). The Optical Absorption Coefficient of Maize Grains Investigated by Photoacoustic Spectroscopy. [International Journal of Thermophysics](#), 38(1), 11.

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49. Rittman, D. R., Turner, K. M., Park, S., Fuentes, A. F., Yan, J., Ewing, R. C. & Mao, W. L. (2017). High-Pressure Behavior of A2b2o7 Pyrochlore (a=Eu, Dy; B=Ti, Zr). [Journal of Applied Physics](#), 121(4), 045902.

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50. Santiago-Ramos, D., Figueroa-Cardenas, J. D., Veles-Medina, J. J. & Mariscal-Moreno, R. M. (2017). Changes in the thermal and structural properties of maize starch during nixtamalization and tortilla-making processes as affected by grain hardness. [Journal of Cereal Science](#), 74, 72-78.

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52. Lashkevych, I., Titov, O. Y. & Gurevich, Y. G. (2017). Ohm's Law for a Bipolar Semiconductor: the Role of Carrier Concentration and Energy Nonequilibria. [Journal of Electronic Materials](#), 46(1), 585-595.

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53. Pfeiler, E., Nazario-Yepiz, N. O., Perez-Galvez, F., Chavez-Mora, C. A., Ramirez Loustalot-Laclette, M., Rendon-Salinas, E. & Markow, T. A. (2017). Population genetics of overwintering monarch butterflies, *Danaus plexippus* (Linnaeus), from Central Mexico inferred from mitochondrial Dna and microsatellite markers. [Journal of Heredity](#), 2017, 163-175.

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54. Beristain-Covarrubias, N., Canche-Pool, E. B., Ramirez-Velazquez, C., Barragan-Galvez, J. C., Gomez-Diaz, R. A. & Ortiz-Navarrete, V. (2017). Class I-Restricted T Cell-Associated Molecule Is a Marker for Ifn-Gamma-Producing Inkt Cells in Healthy Subjects and Patients With Type 1 Diabetes. [Journal of Interferon and Cytokine Research](#), 37(1), 39-49.

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55. Reyes-Rodriguez, P. Y., Cortes-Hernandez, D. A., Escobedo-Bocardo, J. C., Almanza-Robles, J. M., Sanchez-Fuentes, H. J., Jasso-Teran, A., De Leon-Prado, L. E., Mendez-Nonell, J. & Hurtado-Lopez, G. F. (2017). Structural and magnetic properties of Mg-Zn ferrites ( $Mg_{1-x}Zn_xFe_2O_4$ ) prepared by sol-gel method. [Journal of Magnetism and Magnetic Materials](#), 427, 268-271.

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56. De-Leon-Prado, L. E., Cortes-Hernandez, D. A., Almanza-Robles, J. M., Escobedo-Bocardo, J. C., Sanchez, J., Reyes-Rodriguez, P. Y., Jasso-Teran, R. A. & Hurtado-Lopez, G. F. (2017). Synthesis and characterization of nanosized  $Mg_xMn_{1-x}Fe_2O_4$  ferrites by both sol-gel and thermal decomposition methods. [Journal of Magnetism and Magnetic Materials](#), 427, 230-234.

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57. Jasso-Teran, R. A., Cortes-Hernandez, D. A., Sanchez-Fuentes, H. J., Reyes-Rodriguez, P. Y., De Leon-Prado, L. E., Escobedo-Bocardo, J. C. & Almanza-Robles, J. M. (2017). Synthesis, characterization and hemolysis studies of  $Zn_{(1-x)}Ca_xFe_2O_4$  ferrites synthesized by sol-gel for hyperthermia treatment applications. [Journal of Magnetism and Magnetic Materials](#), 427, 241-244.

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58. Sanchez, J., Cortes-Hernandez, D. A., Escobedo-Bocardo, J. C., Almanza-Robles, J. M., Reyes-Rodriguez, P. Y., Jasso-Teran, R. A., Bartolo-Perez, P. & De Leon-Prado, L. E. (2017). Synthesis of  $Mn_xGa_{1-x}Fe_2O_4$  magnetic nanoparticles by thermal decomposition method for medical diagnosis applications. [Journal of Magnetism and Magnetic Materials](#), 427, 272-275.

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60. Flores, M. A., Menendez-Proupin, E., Orellana, W. & Pena, J. L. (2017). Sn-Doped Cdte as Promising Intermediate-Band Photovoltaic Material. [Journal of Physics D-Applied Physics](#), 50(3), 035501.

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61. Jimenez-Hernandez, J., Estrada-Bahena, E. B., Maldonado-Astudillo, Y. I., Talavera-Mendoza, O., Arambula-Villa, G., Azuara, E., Alvarez-Fitz, P., Ramirez, M. & Salazar, R. (2017). Osmotic dehydration of mango with impregnation of inulin and piquin-pepper oleoresin. [Lwt-Food Science and Technology](#), 79, 609-615.

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66. Romero-Meza, G., Velez-Ramirez, D. E., Florencio-Martinez, L. E., Roman-Carraro, F. C., Manning-Cela, R., Hernandez-Rivas, R. & Martinez-Calvillo, S. (2017). Maf1 is a negative regulator of transcription in Trypanosoma brucei. [Molecular Microbiology](#), 103(3), 452-468.

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72. Gutierrez, I. & Collado, J. (2017). An LQR controller in the obstacle avoidance of a two-wires hammerhead crane. [Neurocomputing](#), 233, 14-22.

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76. Cruz, D. L. & Yu, W. (2017). Path planning of multi-agent systems in unknown environment with neural kernel smoothing and reinforcement learning. [Neurocomputing](#), 233, 34-42.

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79. Flores-Clemente, C., Escamilla-Sanchez, J., Arias, J. M. & Arias-Montano, J. A. (2017). The naturally occurring mutation Y197C does not affect the expression or signaling of the human histamine H3 receptor. [Neuroscience Letters](#), 641, 77-80.

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80. Santana-Gomez, C. E., Orozco-Suarez, S. A., Talevi, A., Bruno-Blanch, L., Magdaleno-Madrigal, V. M., Fernandez-Mas, R. & Rocha, L. (2017). Propylparaben applied after pilocarpine-induced status epilepticus modifies hippocampal excitability and glutamate release in rats. [NeuroToxicology](#), 59, 110-120.

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