

Maestría en Ciencias en Sustentabilidad de los Recursos Naturales y Energía

Productividad Académica Relevante

Lista de artículos científicos publicados por Profesores del Programa (solo se incluyen tres por cada investigador). Para mayor información al respecto o bien, para consultar productividad adicional, favor de contactar a cada investigador.

Núm.	Referencia completa
Ivonne Liliana Alonso Lemus	
1	Nitrogen self-doped electrocatalysts synthesized by pyrolysis of commercial polymer fibers for oxygen reduction reaction. Lardizabal, D; Verde-Gomez, Y; Alonso-Lemus, I; Aguilar-Elguezabal, A. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: 40 Issue: 48 Pages: 17300-17307. Special Issue: SI. 2015
2	Electrocatalysts for ethanol and ethylene glycol oxidation reactions. Part II: Effects of the polyol synthesis conditions on the characteristics and catalytic activity of Pt-Ru/C anodes. Gonzalez-Quijano, D; Pech-Rodriguez, WJ; Gonzalez-Quijano, JA; Escalante-Garcia, JI; Vargas-Gutierrez, G; Alonso-Lemus, I; Rodriguez-Varela, FJ. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. Volume: 40 Issue: 48 Pages: 17291-17299 Special Issue: SI. 2015
3	Communication-Synthesis of Self-Doped Metal-Free Electrocatalysts from Waste Leather with High ORR Activity. Lardizabal-Gutierrez, D; Gonzalez-Quijano, D; Bartolo-Perez, P; Escobar-Morales, B; Rodriguez-Varela, FJ; Alonso-Lemus, IL. JOURNAL OF THE ELECTROCHEMICAL SOCIETY. Volume: 163 Issue: 2 Pages: H15-H17. 2016
Salvador Carlos Hernández	
4	Analysis and control of distributed parameter reactor for pyrolysis of wood. Morales-Diaz, A; Vazquez-Sandoval, AD; Carlos-Hernandez, S. REVISTA MEXICANA DE INGENIERIA QUIMICA. Volume: 14 Issue: 2 Pages: 543-552. 2015
5	Neural Identification of Thermochemical Processes for Solid Wastes Transformation By: Carrasco, R; Carlos-Hernandez, S; Cadet, C. INTELLIGENT AUTOMATION AND SOFT COMPUTING. Volume: 21 Issue: 1 Pages: 77-95. 2015
6	Integrated hybrid intelligent control scheme for methane production in an anaerobic process. Gurubel, KJ; Sanchez, EN; Carlos-Hernandez, S; Ornelas-Tellez, F; Perez-Cisneros, MA. INTELLIGENT AUTOMATION AND SOFT COMPUTING. Volume: 20 Issue: 2 Pages: 297-315 Special Issue: SI. 2014
María de Lourdes V. Díaz Jiménez	
7	Antifungal activity in vitro of <i>Rhus muelleri</i> against <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> . de Rodriguez, DJ; Trejo-Gonzalez, FA; Rodriguez-Garcia, R; Diaz-Jimenez, MLV; Saenz-Galindo, A; Hernandez-Castillo, FD; Villarreal-Quintanilla, JA; Pena-Ramos, FM. INDUSTRIAL CROPS AND PRODUCTS Volume: 75 Pages: 150-158 Part: B Special Issue: SI. NOV 30 2015
8	Antibacterial activity of TiO ₂ -CaSiTiO ₅ materials synthesised from a spent catalyst. Cruz-Ortiz, BR; Cortes-Hernandez, DA; Diaz-Jimenez, ML; Mauricio-Benavides, JE. CERAMICS INTERNATIONAL. Volume: 41 Issue: 2 Pages: 2484-2491 Part: A. 2015
9	Dynamical Analysis of a wastewater treatment process for biogas production. Carlos-Hernandez, S; Sanchez, EN; Beteau, JF; Jimenez, LD. REVISTA IBEROAMERICANA DE AUTOMATICA E INFORMATICA INDUSTRIAL. Volume: 11 Issue: 2 Pages: 236-246. 2014
José Iván Escalante García	
10	Alkali activated composite binders of waste silica soda lime glass and blast furnace slag: Strength as a function of the composition. Martinez-Lopez, R; Escalante-Garcia, JI. CONSTRUCTION AND BUILDING MATERIALS. Volume: 119 Pages: 119-129. 2016
11	Influence of the long term curing temperature on the hydration of alkaline binders of blast furnace slag-metakaolin. Burciaga-Diaz, O; Gomez-Zamorano, LY; Escalante-Garcia, JI. CONSTRUCTION AND BUILDING MATERIALS. Volume: 113 Pages: 917-926. 2016
12	Investigation of novel waste glass and limestone binders using statistical methods. Avila-Lopez, U; Almanza-Robles, JM; Escalante-Garcia, JI. CONSTRUCTION AND BUILDING MATERIALS. Volume: 82 Pages: 296-303. 2015

Continuación...

Núm.	Referencia completa
Fabián Fernández Luqueño	
13	Silver Nanoparticles (AgNP) in the Environment: a Review of Potential Risks on Human and Environmental Health. Leon-Silva, S; Fernandez-Luqueno, F; Lopez-Valdez, F. WATER AIR AND SOIL POLLUTION. Volume: 227 Issue: 9. Article Number: 306. 2016
14	Physicochemical and microbiological characterisation for drinking water quality assessment in Southeast Coahuila, Mexico. Fernandez-Luqueno, F; Gamero-Melo, P; Lopez-Valdez, F; Aguilera-Gonzalez, EN; Garcia-Guillermo, MD; Hernandez-Martinez, G; Fernandez-Fernandez, O; Alvarez-Garza, MA; Perez-Velazquez, IR. INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION. Volume: 59 Issue: 1 Pages: 78-92. 2016
15	Why wastewater sludge stimulates and accelerates removal of PAHs in polluted soils? Fernandez-Luqueno, F; Lopez-Valdez, F; Dendooven, L; Luna-Suarez, S; Ceballos-Ramirez, JM. APPLIED SOIL ECOLOGY. Volume: 101. Pages: 1-4. 2016
Dulce Yaahid Flores Rentería	
16	Some positive effects of the fragmentation of holm oak forests: Attenuation of water stress and enhancement of acorn production. Moran-Lopez, T; Forner, A; Flores-Renteria, D; Diaz, M; Valladares, F. FOREST ECOLOGY AND MANAGEMENT. Volume: 370 Pages: 22-30. 2016
17	Agricultural matrix affects differently the alpha and beta structural and functional diversity of soil microbial communities in a fragmented Mediterranean holm oak forest. Flores-Renteria, D; Rincon, A; Valladares, F; Yuste, JC. SOIL BIOLOGY & BIOCHEMISTRY. Volume: 92 Pages: 79-90. 2016
18	Effects of forest fragmentation on the oak-rodent mutualism. Moran-Lopez, T; Fernandez, M; Alonso, CL; Flores-Renteria, D; Valladares, F; Diaz, M. OIKOS. Volume: 124 Issue: 11 Pages: 1482-1491. 2015
Prócoro Gamero Melo	
19	Effect of clay soil content on fecal bacteria removal in an intermittent media infiltration system. Khamkure, S; Cervantes, EP; Melo, PG; Gonzalez, AZ. ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL. Volume: 15 Issue: 1 Pages: 113-121. 2016
20	Enhanced removal of fecal bacteria by zinc-modified zeolite in an intermittent media infiltration system. Khamkure, S; Cervantes, EP; Melo, PG; Gonzalez, AZ. ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL. Volume: 12 Issue: 11 Pages: 2149-2156. 2013
21	Number of residual thermotolerant coliforms on plants and in soil when using reclaimed domestic wastewater for irrigation. Khamkure, S; Cervantes, EP; Gonzalez, AZ; Cervantes, RL; Melo, PG; Ramirez, H. WATER SCIENCE AND TECHNOLOGY. Volume: 67 Issue: 2 Pages: 380-386. 2013
Luis Alfredo González López	
22	6 Rapid synthesis of scheelite SrWO ₄ particles using a natural SrSO ₄ ore under alkaline hydrothermal conditions. Rendon-Angeles, JC; Matamoros-Veloz, Z; Lopez-Cuevas, J; Gonzalez, LA; Montoya-Cisneros, KL; Yanagisawa, K; Willis-Richards, J; Diaz-Algara, J. HYDROMETALLURGY. Volume: 157 Pages: 116-126. 2015
23	p-Type transparent Cu doped ZnS thin films by the chemical bath deposition method. Ortiz-Ramos, DE; Gonzalez, LA; Ramirez-Bon, R. MATERIALS LETTERS. Volume: 124 Pages: 267-270. 2014
24	Cd _{1-x} Zn _x S thin films with low Zn content obtained by an ammonia-free chemical bath deposition process. Carreon-Moncada, I; Gonzalez, LA; Pech-Canul, MI; Ramirez-Bon, R. THIN SOLID FILMS. Volume: 548 Pages: 270-274. 2013
Padmasree Karinjilottu Padmasdas	
25	Improved Sr _{0.6} La _{0.4} Co _{0.8} Fe _{0.2} O _{3-δ} /Ce _{0.8} Y _{0.2} O _{2-δ} interface for IT-SOFC applications. Baque, L; Padmasree, KP; Reyes, MAC; Troiani, H; Serquis, A; Soldati, A. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. Volume: 41 Issue: 3 Pages: 1958-1965. 2016
26	Electrical and optical properties of NdAlO ₃ synthesized by an optimized combustion process. Harilal, M; Nair, VM; Wariar, PRS; Padmasree, KP; Yusoff, MM; Jose, R. MATERIALS CHARACTERIZATION. Volume: 90 Pages: 7-12. 2014
27	Superior supercapacitive performance in electrospun copper oxide nanowire electrodes. Vidhyadharan, B; Misnon, II; Aziz, RA; Padmasree, KP; Yusoff, MM; Jose, R. JOURNAL OF MATERIALS CHEMISTRY A. Volume: 2 Issue: 18 Pages: 6578-6588. 2014

Continuación...

Núm.	Referencia completa
Eddie López Honorato	
28	The effect of heat treatment on the microstructure and diffusion of silver in pyrolytic carbon coatings. Cancino-Trejo, F; Padilla, MS; Lopez-Honorato, E; Carvajal-Nunez, U; Boshoven, J; Somers, J. CARBON. Volume: 109 Pages: 542-551. 2016
29	Fluidized bed chemical vapor deposition of pyrolytic carbon-III. Relationship between microstructure and mechanical properties. Zhang, HX; Lopez-Honorato, E; Xiao, P. CARBON. Volume: 91 Pages: 346-357. 2015
30	Density functional theory metadynamics of silver, caesium and palladium diffusion at beta-SiC grain boundaries. Rabone, J; Lopez-Honorato, E. JOURNAL OF NUCLEAR MATERIALS. Volume: 458 Pages: 56-63. 2015
Arturo Isaías Martínez Enríquez	
31	Structural Characterization of Ferrihydrite/hematite Nanocomposites and their Arsenic Adsorption Properties. Pariona, N; Camacho-Aguilar, KI; Ramos-Gonzalez, R; Martinez, AI; Herrera-Trejo, M. ADSORPTION SCIENCE & TECHNOLOGY. Volume: 33 Issue: 10 Pages: 871-880. 2015
32	Magnetic and structural properties of ferrihydrite/hematite nanocomposites. Pariona, N; Camacho-Aguilar, KI; Ramos-Gonzalez, R; Martinez, AI; Herrera-Trejo, M; Baggio-Saitovitch, E. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. Volume: 406 Pages: 221-227. 2016
33	Nanostructured zinc oxide thin film by simple vapor transport deposition. Athma, PV; Martinez, AI; Johns, N; Safeera, TA; Reshmi, R; Anila, EI. SUPERLATTICES AND MICROSTRUCTURES. Volume: 85 Pages: 379-384. 2015
Francisco Javier Rodríguez Varela	
34	Template-free synthesis of ordered mesoporous carbon: Application as support of highly active Pt nanoparticles for the oxidation of organic fuels. Morales-Acosta, D; Rodríguez-Varela, FJ; Benavides, R. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. Volume: 41 Issue: 5 Pages: 3387-3398. 2016
35	Evaluation of the Nickel Titanate-Modified Pt Nanostructured Catalyst for the ORR in Alkaline Media. Hernandez-Ramirez, A; Sanchez-Castro, ME; Alonso-Lemus, I; Aruna, KK; Karthikeyan, P; Manoharan, R; Rodríguez-Varela, FJ. JOURNAL OF THE ELECTROCHEMICAL SOCIETY. Volume: 163 Issue: 2 Pages: F16-F24. 2016
36	Catalytic activity and selectivity for the ORR of rapidly synthesized M@Pt (M = Pd, Fe ₃ O ₄ , Ru) core-shell nanostructures. Sanchez-Padilla, NM; Morales-Acosta, D; Morales-Acosta, MD; Montemayor, SM; Rodríguez-Varela, FJ. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. Volume: 39 Issue: 29 Pages: 16706-16714. 2014
María Esther Sánchez Castro	
37	Theoretical study of penta- and heteropentadienyl beryllium complexes coordinated to hydrogen molecules. Morales-Meza, S; Perez-Peralta, N; Sanchez-Castro, ME; Sanchez, M. JOURNAL OF MOLECULAR MODELING. Volume: 22 Issue: 10. Article Number: 245. 2016
38	Synthesis, characterization, X-ray studies and DFT calculations of fused five-six and seven-six membered ring of new heterobicyclic system of boron compounds. Rivera, JM; Colorado-Peralta, R; Ramirez, DJ; Sanchez, M; Sanchez-Castro, ME. JOURNAL OF MOLECULAR STRUCTURE. Volume: 1052 Pages: 24-31. 2013
39	Development Of Free-Metal Electrocatalyst From Inexpensive Sources Of Carbon: A Novel Electrode Material for Cathode Reaction in PEM Fuel Cells. Alonso-Lemus, I.L.; Lardizabal-Guiterrez, D.; de la Torre-Saenz, L.; Sanchez-Castro, M.E.; Rodríguez-Varela, F.J. ECS TRANSACTIONS. Volume: 69 Issue: 17 Pages: 637-42. 2015
Gregorio Vargas Gutiérrez	
40	Effects of pulse length on low frequency plasma nitrided 316L steels. Diaz-Guillen, JC; Vargas-Gutierrez, G; Granda-Gutierrez, EE; Gonzalez, MA; Diaz-Guillen, JA; Alvarez-Contreras, L. SURFACE ENGINEERING. Volume: 31 Issue: 8 Pages: 623-627. 2015
41	Influences of Processing Time and Discharge Current Density During Pulsed Plasma-Oxidizing process of AISI 316L. Diaz-Guillen, JC; Vargas-Gutierrez, G; Granda-Gutierrez, EE; Aguilar-Martinez, JA; Gonzalez-Albarran, MA; Alvarez-Contreras, L. JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. Volume: 24 Issue: 6 Pages: 2368-2372 Special Issue: SI. 2015
42	Highly Active Pt-Sn/C Catalysts for Ethanol Electro-Oxidation Prepared by a Polyol-Alcohol Reduction Process. Gonzalez-Quijano, D.; Pech-Rodriguez, W.J.; Escalante-Garcia, J.I.; Vargas-Gutierrez, G.; Rodríguez-Varela, F.J. ECS Transactions. Volume: 61 Issue: 29 Pages: 1-9 . 2014