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Biotecnología
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BIOTECNOLOGÍA Y BIOINGENIERÍA

ARTICULOS EN REVISTAS JCR - 2017

No.	AÑO	AUTORES	LINK
1	2017	Hernandez Melchor DJ, Cristiani Urbina E, Ferrera Cerrato R, Esparza Garcia FJ, Canizares Villanueva RO. Outdoor production of a photosyntetic microbial consortium fixing nitrogen in semicontinuous cultivation and cultivation by batces in a flat face aerial bridge photobiorreactor. Revista Internacional de Contaminación Ambiental. Volumen: 33 Páginas: 73-81 ISSN: 0188-4999	https://doi.org/10.20937/RICA.2017.33.esp01.07
2	2017	Martinez Cruz K, Leewis MC, Herriott IC, Sepulveda Jauregui A, Anthony KW, Thalasso F, Leigh MB. Anaerobic oxidation of methane by aerobic methanotrophs in sub-Arctic lake sediments. Science Of The Total Environment. Volumen: 607 Páginas: 23-31.	https://doi.org/10.1016/j.scitotenv.2017.06.187
3	2017	Hernandez Flores G, Poggi Varaldo HM, Romero Castanon T, Solorza Feria O, Rinderknecht Seijas N. Harvesting energy from leachates in microbial fuel cells using an anion exchange membrane. International Journal Of Hydrogen Energy. Volumen: 42 Número: 51 Páginas: 30374-30382.	https://doi.org/10.1016/j.ijhydene.2017.08.201
4	2017	Hernandez Melchor DJ, Canizares Villanueva RO, Teran Toledo JR, Lopez Perez PA, Cristiani Urbina E. Hydrodynamic and mass transfer characterization of flat-panel airlift photobioreactors for the cultivation of a photosynthetic microbial consortium. Biochemical Engineering Journal. Volumen: 128 Páginas: 141-148.	https://doi.org/10.1016/j.bej.2017.09.014
5	2017	Vital Jacome M, Dochain D, Thalasso F. Microrespirometric model calibration applied to wastewater processes. Biochemical Engineering Journal. Volumen: 128 Páginas: 168-177.	https://doi.org/10.1016/j.bej.2017.10.002
6	2017	Sanchez Lizarraga AL, Dendooven L, Marino Marmolejo EN, Davila Vazquez G, Hernandez Cuevas L, Arenas Montano V, Contreras Ramos SM. Presence and diversity of arbuscular mycorrhizal fungi in soil regularly irrigated with vinasses. Journal Of Soil Science And Plant Nutrition. Volumen: 17 Número: 4 Páginas: 1116-1129.	https://doi.org/10.4067/S0718-95162017000400020
7	2017	Velazquez Sanchez HI, Lara Cisneros G, Femat R, Aguilar Lopez R. Dynamic Nonlinear Feedback Control Applied to Improve Butanol Production by Clostridium acetobutylicum. International Journal Of Chemical Reactor Engineering. Volumen: 15 Número: 6 Número especial: SI Número de artículo: 20170034.	https://doi.org/10.1515/ijcre-2017-0034
8	2017	Florez Miranda L, Canizares Villanueva RO, Melchy Antonio O, Martinez Jeronimo F, Flores Ortiz CM. Two stage heterotrophy/photoinduction culture of Scenedesmus incrassatulus: potential for lutein production. Journal Of Biotechnology. Volumen: 262 Páginas: 67-74.	https://doi.org/10.1016/j.jbiotec.2017.09.002
9	2017	Alvarez Zuniga MT, Santiago Hernandez A, Rodriguez Mendoza J, Campos JE, Pavon Orozco P, Trejo Estrada S, Hidalgo Lara ME. Taxonomic identification of the thermotolerant and fast-growing fungus Lichtheimia ramosa H71D and biochemical characterization of the thermophilic xylanase LrXynA. Amb Express. Volumen: 7 Número de artículo: 194.	https://doi.org/10.1186/s13568-017-0494-y
10	2017	Gomez Arellano A, Jimenez Islas H, Castrejon Gonzalez EO, Medina Torres L, Dendooven L, Escamilla Silva EM. Rheological behaviour of sesame (Sesamum indicum L.) protein dispersions. Food And Bioproducts Processing. Volumen: 106 Páginas: 201-208.	https://doi.org/10.1016/j.fbp.2017.09.010
11	2017	Moreno Medina CU, Poggi Varaldo HM, Breton Deval L, Rinderknecht Seijas N. Effect of sudden addition of PCE and bioreactor coupling to ZVI filters on performance of fluidized bed bioreactors operated in simultaneous electron acceptor modes. Environmental Science And Pollution Research. Volumen: 24 Número: 33 Páginas: 25534-25549.	https://doi.org/10.1007/s11356-016-7275-z
12	2017	Escamilla Alvarado C, Poggi Varaldo HM, Ponce Noyola MT. Bioenergy and bioproducts from municipal organic waste as alternative to landfilling: a comparative life cycle assessment with prospective application to Mexico. Environmental Science And Pollution Research. Volumen: 24 Número: 33 Páginas: 25602-25617.	https://doi.org/10.1007/s11356-016-6939-z
13	2017	Corona L, Dendooven L, Chicken A, Hernandez O, Iturbe R. Removal of Two High Molecular Weight PAHs from Soils with Different Water Content. Bulletin Of Environmental Contamination And Toxicology. Volumen: 99 Número: 5 Páginas: 619-624.	https://doi.org/10.1007/s00128-017-2168-5
14	2017	Aguilar Lopez R, Camacho BR, Neria Gonzalez MI, Rangel E, Santos O, Perez PAL. State Estimation Based on Nonlinear Observer for Hydrogen Production in a Photocatalytic Anaerobic Bioreactor. International Journal Of Chemical Reactor Engineering. Volumen: 15 Número: 5 Número especial: SI Número de artículo: 20170004.	https://doi.org/10.1515/ijcre-2017-0004
15	2017	Aguilar Lopez R, Neria Gonzalez MI, Mata Machuca JL. Finite Time Estimation for Switched Nonlinear Systems: Application to Stirred Tank Bioreactor. International Journal Of Chemical Reactor Engineering. Volumen: 15 Número: 5 Número especial: SI Número de artículo: 20170021.	https://doi.org/10.1515/ijcre-2017-0021
16	2017	Ortiz Cornejo NL, Romero Salas EA, Navarro Noya YE, Gonzalez Zuniga JC, Ramirez Villanueva DA, Vasquez Murrieta MS, Verhulst N, Govaerts B, Dendooven L, Luna Guido M. Incorporation of bean plant residue in soil with different agricultural practices and its effect on the soil bacteria. Applied Soil Ecology. Volumen: 119 Páginas: 417-427.	https://doi.org/10.1016/j.apsoil.2017.07.014
17	2017	Culebro Ricaldi JM, Ruiz Valdiviezo VM, Rodriguez Mendiola MA, Avila Miranda ME, Gutierrez Miceli FA, Cruz Rodriguez RI, Dendooven L, Montes Molina JA. Antifungal properties of Beauveria bassiana strains against Fusarium oxysporum f. sp lycopersici race 3 in tomato crop. Journal Of Environmental Biology. Volumen: 38 Número: 5 Páginas: 821-827.	https://doi.org/10.22438/jeb/38/5/MRN-412
18	2017	Gerardo Nieto O, Astorga Espana MS, Mansilla A, Thalasso F. Initial report on methane and carbon dioxide emission dynamics from sub-Antarctic freshwater ecosystems: A seasonal study of a lake and a reservoir. Science Of The Total Environment. Volumen: 593 Páginas: 144-154.	https://doi.org/10.1016/j.scitotenv.2017.02.144
19	2017	Hernandez Flores G, Solorza Feria O, Poggi Varaldo HM. Bioelectricity generation from wastewater and actual landfill leachates: A multivariate analysis using principal component analysis. International Journal Of Hydrogen Energy. Volumen: 42 Número: 32 Páginas: 20772-20782.	https://doi.org/10.1016/j.ijhydene.2017.01.021
20	2017	Kutralam Muniasamy G, Pérez Guevara F. Recombinant surface engineering to enhance and expand the potential of biologically produced nanoparticles: A review. Process Biochemistry. Volumen: 59 Páginas: 4-17.	https://doi.org/10.1016/j.procbio.2016.07.002
21	2017	Flores Sanchez IJ, Ramos Valdivia AC. A review from patents inspired by the genus Cannabis. Phytochemistry Reviews. Volumen: 16 Número: 4 Páginas: 639-675.	https://doi.org/10.1007/s11101-016-9485-x
22	2017	Flores Sanchez IJ, Ramos Valdivia AC. A review from patents inspired by two plant genera: Uncaria and Hamelia. Phytochemistry Reviews. Volumen: 16 Número: 4 Páginas: 693-723.	https://doi.org/10.1007/s11101-017-9498-0
23	2017	Lucho Constantino GG, Zaragoza Martinez F, Ponce Noyola MT, Cerda Garcia Rojas CM, Trejo Tapia G, Esparza Garcia FJ, Ramos Valdivia AC. Antioxidant responses under jasmonic acid elicitation comprise enhanced production of flavonoids and anthocyanins in Jatropha curcas leaves. Acta Physiologiae Plantarum. Volumen: 39 Número: 8 Número de artículo: 165.	https://doi.org/10.1007/s11738-017-2461-2
24	2017	Kutralam Muniasamy G, Corona Hernandez J, Narayanasamy RK, Marsch Moreno R, Pérez Guevara F. Phylogenetic diversification and developmental implications of poly-(R)-3-hydroxyalkanoate gene cluster assembly in prokaryotes. Fems Microbiology Letters. Volumen: 364 Número: 13 Número de artículo: fnx135.	https://doi.org/10.1093/femsle/fnx135
25	2017	Gutierrez Garcia K, Neira Gonzalez A, Perez Gutierrez RM, Granados Ramirez G, Zarraga R, Wrobel K, Barona Gomez F, Flores Cotera LB. Phylogenomics of 2,4-Diacetylphloroglucinol-Producing Pseudomonas and Novel Antiglycation Endophytes from Piper auritum. Journal Of Natural Products. Volumen: 80 Número: 7 Páginas: 1955-1963.	https://doi.org/10.1021/acs.jnatprod.6b00823
26	2017	Resendiz Cardiel G, Arroyo R, Ortega Lopez J. Expression of the enzymatically active legumain-like cysteine proteinase TvLEGU-1 of Trichomonas vaginalis in Pichia pastoris. Protein Expression And Purification. Volumen: 134 Páginas: 104-113.	https://doi.org/10.1016/j.pep.2017.04.007
27	2017	Gonzalez Bautista E, Santana Morales JC, Rios Franquez FJ, Poggi Varaldo HM, Ramos Valdivia AC, Cristiani Urbina E, Ponce Noyola MT. Phenolic compounds inhibit cellulase and xylanase activities of Cellulomonas flavigena PR-22 during saccharification of sugarcane bagasse. Fuel. Volumen: 196 Páginas: 32-35.	https://doi.org/10.1016/j.fuel.2017.01.080
28	2017	Bartolo Aguilar Y, Dendooven L, Chavez Cabrera C, Flores Cotera LB, Hidalgo Lara ME, Villa Tanaca L, Marsch Moreno R. Autolysis of Pichia pastoris induced by cold. Amb Express. Volumen: 7 Número de artículo: 95.	https://doi.org/10.1186/s13568-017-0397-y
29	2017	Rios Franquez FJ, Gonzalez Bautista E, Ponce Noyola MT, Ramos Valdivia AC, Poggi Varaldo HM, Garcia Mena J, Martinez A. Expression of a codon-optimized beta-glucosidase from Cellulomonas flavigena PR-22 in Saccharomyces cerevisiae for bioethanol production from cellobiose. Archives Of Microbiology. Volumen: 199 Número: 4 Páginas: 605-611.	https://doi.org/10.1007/s00203-016-1333-2
30	2017	Escamilla Alvarado C, Perez Pimienta JA, Ponce Noyola MT, Poggi Varaldo HM. An overview of the enzyme potential in bioenergy-producing biorefineries. Journal Of Chemical Technology And Biotechnology. Volumen: 92 Número: 5 Páginas: 906-924.	https://doi.org/10.1002/jctb.5088
31	2017	Romero Cedillo L, Poggi Varaldo HM, Ponce Noyola MT, Rios Leal E, Ramos Valdivia AC, Rojas CMC, Tapia Ramirez J. A review of the potential of pretreated solids to improve gas biofuels production in the context of an OFMSW biorefinery. Journal Of Chemical Technology And Biotechnology. Volumen: 92 Número: 5 Páginas: 937-958.	https://doi.org/10.1002/jctb.5116
32	2017	Santos VAQ, Vega Estrada J, Montes Horcasitas MC, Garcia Cruz CH. Zymomonas mobilis immobilized on loofa sponge: levan and ethanol production in semi-continuous fermentation. Acta Scientiarum-Technology. Volumen: 39 Número: 2 Páginas: 135-141.	https://doi.org/10.4025/actascitechnol.v39i2.27625

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33	2017	Pampillon Gonzalez L, Luna Guido M, Ruiz Valdiviezo VM, Franco Hernandez O, Fernandez Luqueno F, Paredes Lopez O, Hernandez G, Dendooven L. Greenhouse Gas Emissions and Growth of Wheat Cultivated in Soil Amended with Digestate from Biogas Production. Pedosphere. Volumen: 27 Número: 2 Páginas: 318-327.	https://doi.org/10.1016/S1002-0160(17)60319-9
34	2017	Gomez Acata S, Esquivel Rios I, Perez Sandoval MV, Navarro Noya Y, Rojas Valdez A, Thalasso F, Luna Guido M, Dendooven L. Bacterial community structure within an activated sludge reactor added with phenolic compounds. Applied Microbiology And Biotechnology. Volumen: 101 Número: 8 Páginas: 3405-3414.	https://doi.org/10.1007/s00253-016-8000-z
35	2017	Contreras Gallegos E, Dominguez Pacheco FA, Hernandez Aguilar C, Salazar Montoya JA, Ramos Ramirez EG, Cruz Orea A. Specific heat of vegetable oils as a function of temperature obtained by adiabatic scanning calorimetry. Journal Of Thermal Analysis And Calorimetry. Volumen: 128 Número: 1 Páginas: 523-531.	https://doi.org/10.1007/s10973-016-5864-1
36	2017	de Leon Lorenzana AS, Delgado Balbuena L, Domiguez Mendoza C, Navarro Noya YE, Luna Guido M, Dendooven L. Reducing Salinity by Flooding an Extremely Alkaline and Saline Soil Changes the Bacterial Community but Its Effect on the Archaeal Community Is Limited. Frontiers In Microbiology. Volumen: 8 Número de artículo: 466.	https://doi.org/10.3389/fmicb.2017.00466
37	2017	Perez Pimienta JA, Sathitsuksanoh N, Thompson VS, Tran K, Ponce Noyola MT, Stavila V, Singh S, Simmons BA. Ternary ionic liquid-water pretreatment systems of an agave bagasse and municipal solid waste blend. Biotechnology For Biofuels. Volumen: 10 Número de artículo: 72.	https://doi.org/10.1186/s13068-017-0758-4
38	2017	Sotelo Navarro PX, Poggi Varaldo HM, Turpin Marion SJ, Vazquez Morillas A, Beltran Villavicencio M, Espinosa Valdemar RM. Biohydrogen production from used diapers: Evaluation of effect of temperature and substrate conditioning. Waste Management & Research. Volumen: 35 Número: 3 Páginas: 267-275.	https://doi.org/10.1177/0734242X16677334
39	2017	Franco Medrano DI, Guerrero German P, Montesinos Cisneros RM, Ortega Lopez J, Tejeda Mansir A. Plasmid pVAX1-NH36 purification by membrane and bead perfusion chromatography. Bioprocess And Biosystems Engineering. Volumen: 40 Número: 3 Páginas: 463-471.	https://doi.org/10.1007/s00449-016-1714-6
40	2017	Cano Ramirez C, Santiago Hernandez A, Rivera Orduna FN, Pineda Mendoza RM, Zunga G, Hidalgo Lara ME. One-step zymogram method for the simultaneous detection of cellulase/xylanase activity and molecular weight estimation of the enzyme. Electrophoresis. Volumen: 38 Número: 3-4 Páginas: 447-451.	https://doi.org/10.1002/elps.201600347
41	2017	Pampillon Gonzalez L, Ortiz Cornejo NL, Luna Guido M, Dendooven L, Navarro Noya YE. Archaeal and Bacterial Community Structure in an Anaerobic Digestion Reactor (Lagoon Type) Used for Biogas Production at a Pig Farm. Journal Of Molecular Microbiology And Biotechnology. Volumen: 27 Número: 5 Páginas: 306-317.	https://doi.org/10.1159/000479108
42	2017	Dominguez Montero LE, Poggi Varaldo HM, Perez Angon MA, Jimenez Cisneros BE, Canizares Villanueva RO, Caffarel Mendez S, Frixione Garduno E. Technological instruments patented in mexico to treat wastewater. Revista Internacional De Contaminacion Ambiental. Volumen: 33 Número especial: SI Páginas: 43-51.	https://doi.org/10.20937/RICA.2017.33.esp01.04
43	2017	Moreno Medina CU, Poggi Varaldo HM, Breton Deval L, Rinderknecht Seijas N. Transient performance of two-electron regime bioreactors that contained unacclimated biocatalysts after feeding perchloroethylene. Revista Internacional De Contaminacion Ambiental. Volumen: 33 Número especial: SI Páginas: 83-104.	https://doi.org/10.20937/RICA.2017.33.esp01.08
44	2017	Vargas JP, Carmona SEV, Moreno EZ, Casado NAR, Calva Calva G. Bioremediation of soils from oil spill impacted sites using bioaugmentation with biosurfactants producing, native, free-living nitrogen fixing bacteria. Revista Internacional De Contaminacion Ambiental. Volumen: 33 Número especial: SI Páginas: 105-114.	https://doi.org/10.20937/RICA.2017.33.esp01.09
45	2017	Flores Sanchez A, Lopez Cuellar MD, Pérez Guevara F, Lopez UF, Martin Bufajer JM, Vergara Porras B. Synthesis of Poly-(R-hydroxyalkanoates) by Cupriavidus necator ATCC 17699 Using Mexican Avocado (Persea americana) Oil as a Carbon Source. International Journal Of Polymer Science. Número de artículo: 6942950.	https://doi.org/10.1155/2017/6942950
46	2017	Gonzalez Ramirez DF, Avila Perez P, Torres Bustillos LG, Aguilar Lopez R, Montes Horcasitas MC, Esparza Garcia FJ, Rodríguez Vázquez R. Removal of phenanthrene in aqueous solution containing photon competitors by TiO2-C-Ag film supported on fiberglass. Journal Of Environmental Science And Health Part A-Toxic/Hazardous Substances & Environmental Engineering. Volumen: 52 Número: 8 Páginas: 742-749.	https://doi.org/10.1080/10934529.2017.1303311
47	2017	Maldonado Rodriguez A, Rojas Montes O, Vazquez Rosales G, Chavez Negrete A, Rojas Uribe M, Posadas Mondragon A, Aguilar Faisal L, Cevallos AM, Xoconostle Cazares BG, Lira R. Serum Dried Samples to Detect Dengue Antibodies: A Field Study. Biomed Research International. Número de artículo: 7215259.	https://doi.org/10.1155/2017/7215259
48	2017	Acosta Rubi S, Campocosio AT, Montes Horcasitas MC, Quintanar Vera L, Esparza Garcia FJ, Rodríguez Vázquez R. Production of a halotolerant biofilm from green coffee beans immobilized on loofah fiber (Luffa cylindrica) and its effect on phenanthrene degradation in seawater. Journal Of Environmental Science And Health Part A-Toxic/Hazardous Substances & Environmental Engineering. Volumen: 52 Número: 7 Páginas: 632-640.	https://doi.org/10.1080/10934529.2017.1294965
49	2017	Renteria Chavez MC, Perez Moreno J, Cetina Alcala VM, Ferrera Cerrato R, Xoconostle Cazares BG. Transfer of nutrients and growth of Pinus Greggii Engelm. Inoculated with edible fungi Ectomycorrhizal on two substrates. Revista Argentina De Microbiologia. Volumen: 49 Número: 1 Páginas: 93-104.	https://doi.org/10.1016/j.ram.2016.06.004
50	2017	Aguilar Lopez R. Input-output linearizing-type controller design with application to continuous bioreactor. Comptes Rendus De L Academie Bulgare Des Sciences. Volumen: 70 Número: 3 Páginas: 419-426.	https://www.researchgate.net/publication/311203451_Input-Output_Linearizing-type_controller_design_with_application_to_continuous_bioreactor
51	2017	Leon Santiesteban HH, Rodríguez Vázquez R. Fungal Degradation of Organochlorine Pesticides. Microbe-Induced Degradation Of Pesticides. Páginas: 131-149.	https://doi.org/10.1007/978-3-319-45156-5_6
52	2017	Fernandez Luqueno F, Cabrera Lazaro G, Corlay Chee L, Lopez Valdez F, Dendooven L. Dissipation of Phenanthrene and Anthracene from Soil with Increasing Salt Content Amended with Wastewater Sludge. Polish Journal Of Environmental Studies. Volumen: 26 Número: 1 Páginas: 29-38.	https://doi.org/10.15244/pjoes/64929
53	2017	Martinez Cruz K, Gonzalez Valencia R, Sepulveda Jauregui A, Plascencia Hernandez F, Belmonte Izquierdo Y, Thalasso F. Methane emission from aquatic ecosystems of Mexico City. Aquatic Sciences. Volumen: 79 Número: 1 Páginas: 159-169.	https://doi.org/10.1007/s00027-016-0487-y
54	2017	Garcia Huante Y, Cayetano Cruz M, Santiago Hernandez A, Cano Ramirez C, Marsch Moreno R, Campos JE, Aguilar Osorio G, Benitez Cardoza CG, Trejo Estrada S, Hidalgo Lara ME. The thermophilic biomass-degrading fungus Thielavia terrestris Co3Bag1 produces a hyperthermophilic and thermostable beta-1,4-xylanase with exo- and endo-activity. Extremophiles. Volumen: 21 Número: 1 Páginas: 175-186.	https://doi.org/10.1007/s00792-016-0893-z
55	2017	Gutierrez Miceli FA, Garcia Gomez RC, Oliva Llaven MA, Montes Molina JA, Dendooven L. Vermicomposting leachate as liquid fertilizer for the cultivation of sugarcane (Saccharum sp.). Journal Of Plant Nutrition. Volumen: 40 Número: 1 Páginas: 40-49.	https://doi.org/10.1080/01904167.2016.1193610
56	2017	Barrera Cortes J, Valdez Castro L, Salgado Urias DS, Lina Garcia LP, Solorza Feria O. Reducing the microcapsule diameter by micro-emulsion to improve the insecticidal activity of Bacillus thuringiensis encapsulated formulations. Biocontrol Science And Technology. Volumen: 27 Número: 1 Páginas: 42-57.	https://doi.org/10.1080/09583157.2016.1244258
57	2017	de la Cruz Barron M, Cruz Mendoza A, Navarro Noya YE, Ruiz Valdiviezo VM, Ortiz Gutierrez D, Ramirez Villanueva DA, Luna Guido M, Thierfelder C, Wall PC, Verhulst N, Govaerts B, Dendooven L. 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. Volumen: 73 Número: 1 Páginas: 135-152.	https://doi.org/10.1007/s00248-016-0807-8