

| UNIVERSIDAD DE JAÉN. INGENIERÍA ELÉCTRICA                                                                      |  |                                                                                                                                                                                                                                                              |                          |          |     |         |
|----------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-----|---------|
| PRODUCCIÓN CIENTÍFICA                                                                                          |  | AÑO 2018                                                                                                                                                                                                                                                     |                          |          |     |         |
| Nº TOTAL PUBLICACIONES EN REVISTAS JCR                                                                         |  | 31                                                                                                                                                                                                                                                           |                          |          |     |         |
| 1. PRIMER CUARTIL                                                                                              |  | 12                                                                                                                                                                                                                                                           |                          |          |     |         |
| 2. SEGUNDO CUARTIL                                                                                             |  | 8                                                                                                                                                                                                                                                            |                          |          |     |         |
| 3. TERCER CUARTIL                                                                                              |  | 5                                                                                                                                                                                                                                                            |                          |          |     |         |
| 4. CUARTO CUARTIL                                                                                              |  | 7                                                                                                                                                                                                                                                            |                          |          |     |         |
| TOTAL PUBLICACIONES EN REVISTAS REGISTRADAS EN SICA                                                            |  | 38                                                                                                                                                                                                                                                           |                          |          |     |         |
| LIBROS                                                                                                         |  | 0                                                                                                                                                                                                                                                            |                          |          |     |         |
| CAPITULOS DE LIBROS                                                                                            |  | 2                                                                                                                                                                                                                                                            |                          |          |     |         |
| PATENTES                                                                                                       |  | 0                                                                                                                                                                                                                                                            |                          |          |     |         |
| Nº TOTAL APORTACIONES A CONGRESOS                                                                              |  | 33                                                                                                                                                                                                                                                           |                          |          |     |         |
| PONENCIAS                                                                                                      |  | 30                                                                                                                                                                                                                                                           |                          |          |     |         |
| COMUNICACIONES                                                                                                 |  | 2                                                                                                                                                                                                                                                            |                          |          |     |         |
| CONFERENCIAS                                                                                                   |  | 0                                                                                                                                                                                                                                                            |                          |          |     |         |
| POSTER                                                                                                         |  | 0                                                                                                                                                                                                                                                            |                          |          |     |         |
| OTROS                                                                                                          |  | 1                                                                                                                                                                                                                                                            |                          |          |     |         |
| DESARROLLO DE RESULTADOS                                                                                       |  |                                                                                                                                                                                                                                                              |                          |          |     |         |
| AUTORES                                                                                                        |  | PRODUCCIÓN                                                                                                                                                                                                                                                   | Tipo                     | Subtipo  | JCR | Cuartil |
| Jurado-Melguizo, Francisco                                                                                     |  | Optimized tuning of power oscillation damping controllers using probabilistic approach to enhance small-signal stability considering stochastic time delay. Electrical Engineering: Archiv fuer Elektrotechnik (0948-7921). 2019. vol.101 - 3. Pag.969 - 982 | Publicaciones en Revista | Articulo | JCR | Q4      |
| Jurado-Melguizo, Francisco; Ortega-Armenteros, Manuel                                                          |  | Current control in high-efficiency unidirectional converter for fuel cell. International Journal of Electronics (0020-7217). 2019. vol.106 - 7. Pag.1101 - 1112                                                                                              | Publicaciones en Revista | Articulo | JCR | Q4      |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                               |  | ANN-based STATCOM tuning for performance enhancement of combined wind farms. Electric Power Components and Systems (1532-5008). 2019. vol.47 - 1-2. Pag.10 - 26                                                                                              | Publicaciones en Revista | Articulo | JCR | Q4      |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                               |  | Optimal DG allocation for enhancing voltage stability and minimizing power loss using hybrid gray wolf optimizer. Turkish Journal of Electrical Engineering and Computer Sciences (1300-0632). 2019. vol.27 - 4. Pag.2947 - 2961                             | Publicaciones en Revista | Articulo | JCR | Q4      |
| Ebeed , Mohamed; Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                              |  | Developed HVDC power injection model for power flow analysis with multi-control functions considering operating constraints. Electrical Engineering: Archiv fuer Elektrotechnik (0948-7921). 2019. vol.101 - 1. Pag.91 - 101                                 | Publicaciones en Revista | Articulo | JCR | Q4      |
| Ebeed , Mohamed; Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                              |  | Modified grasshopper optimization framework for optimal power flow solution. Electrical Engineering: Archiv fuer Elektrotechnik (0948-7921). 2019. vol.101 - 1. Pag.121 - 148                                                                                | Publicaciones en Revista | Articulo | JCR | Q4      |
| Jurado-Melguizo, Francisco; Korashy, Ahmed; Mohamed-Kamel, Salah                                               |  | Hybrid whale optimization algorithm and grey wolf optimizer algorithm for optimal coordination of direction overcurrent relays. Electric Power Components and Systems (1532-5008). 2019. vol.47 - 6-7. Pag.644 - 658                                         | Publicaciones en Revista | Articulo | JCR | Q4      |
| Casa-Hernandez, Jesus De La; Jurado-Melguizo, Francisco; Vera-Candeas, David                                   |  | A distributed generation hybrid system for electric energy boosting fueled with olive industry wastes. Energies (1996-1073). 2019. vol.12 - 3. Pag.1 - 18                                                                                                    | Publicaciones en Revista | Articulo | JCR | Q3      |
| Ebeed , Mohamed; Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                              |  | An improved moth-flame optimization algorithm for solving optimal power flow problem. International Transaction on Electrical Energy System (). 2019. vol.29 - 3. Pag.e2743 -                                                                                | Publicaciones en Revista | Articulo | JCR | Q3      |
| Fernández-Ramírez, Luis M.; Jurado-Melguizo, Francisco; Larco, Víctor; Lata-garcía, Juan; Parra, Pablo         |  | Techno-Economic Analysis of Several Energy Storage Options for Off-Grid Renewable Energy Systems. Acta Polytechnica Hungarica (1785-8860). 2019. vol.16 - 1. Pag.119 - 141                                                                                   | Publicaciones en Revista | Articulo | JCR | Q3      |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah; Tostado-véliz, Marcos                                        |  | Development of Different Load Flow Methods for solving Large-scale Ill-conditioned Systems. International Transaction on Electrical Energy System (). 2019. vol.29 - 4. Pag. -                                                                               | Publicaciones en Revista | Articulo | JCR | Q3      |
| Mohamed-Kamel, Salah                                                                                           |  | Fast quasi-static time-series analysis and reactive power control of unbalanced distribution systems. International Transaction on Electrical Energy System (). 2019. vol.29 - 1. Pag.e2673 -                                                                | Publicaciones en Revista | Articulo | JCR | Q3      |
| Ebeed , Mohamed; Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                              |  | Development of UPFC operating constraints enforcement approach for power flow control. IET Generation, Transmission and Distribution (1751-8687). 2019. vol.13 - 20. Pag.4579 - 4591                                                                         | Publicaciones en Revista | Articulo | JCR | Q2      |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah; Tostado-véliz, Marcos                                        |  | A robust and efficient approach based on Richardson Extrapolation for solving badly-initialized/Ill-conditioned Power-Flow problems. IET Generation, Transmission and Distribution (1751-8687). 2019. vol.13 - 16. Pag.3524 - 3533                           | Publicaciones en Revista | Articulo | JCR | Q2      |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                               |  | Comparison of various robust and efficient load-flow techniques based on Runge-Kutta formulas. Electric Power Systems Research (0378-7796). 2019. vol.174 - . Pag.105881 -                                                                                   | Publicaciones en Revista | Articulo | JCR | Q2      |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah; Tostado-véliz, Marcos                                        |  | Comparison of various robust and efficient load-flow techniques based on Runge-Kutta formulas. Electric Power Systems Research (0378-7796). 2019. vol.174 - . Pag. -                                                                                         | Publicaciones en Revista | Articulo | JCR | Q2      |
| Aguilar-Peña, Juan Domingo; Casa-Hernandez, Jesus De La; Hontoria-García, Leocadio; Rus-Casas, Catalina        |  | An Improved Method for Obtaining Solar Irradiation Data at Temporal High-Resolution. Sustainability (). 2019. vol.11(19) - 5233. Pag.1 - 15                                                                                                                  | Publicaciones en Revista | Articulo | JCR | Q2      |
| Jurado-Melguizo, Francisco; Ortega-Armenteros, Manuel                                                          |  | Bidirectional DC <sub>2</sub> DC converter with high gain based on impedance source. IET Power Electronics (1755-4535). 2019. vol.12 - 8. Pag.2069 - 2078                                                                                                    | Publicaciones en Revista | Articulo | JCR | Q2      |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                               |  | Performance enhancement of wind farms using tuned SSSC based on artificial neural network. International Journal of Interactive Multimedia and Artificial Intelligence (). 2019. vol.5 - 5. Pag.48 - 53                                                      | Publicaciones en Revista | Articulo | JCR | Q2      |
| Abd Elzattar, Hoda; Ali Tawfik, Mohamed; Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah; Vera-Candeas, David |  | Modeling and Simulation of Corn Stover Gasifier and Micro-turbine for Power Generation. Waste and Biomass Valorization (1877-2641). 2019. vol.10 - 10. Pag.3101 - 3114                                                                                       | Publicaciones en Revista | Articulo | JCR | Q2      |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah; Tostado-véliz, Marcos                                        |  | A robust Power Flow Algorithm Based on Bulirsch-Stoer Method. IEEE Transactions on Power Systems (0885-8950). 2019. vol.34 - 4. Pag.3081 - 3089                                                                                                              | Publicaciones en Revista | Articulo | JCR | Q1      |

|                                                                                                                                                 |                                                                                                                                                                                                                                                                  |                          |                          |     |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|-----|----|
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah; Tostado-véliz, Marcos                                                                         | An Effective Load-Flow Approach Based on Gauss-Newton Formulation. International Journal of Electrical Power & Energy Systems (0142-0615). 2019. vol.113 - . Pag.573 - 581                                                                                       | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Jurado-Melguizo, Francisco; Korashy, Ahmed; Mohamed-Kamel, Salah                                                                                | Modified water cycle algorithm for optimal direction overcurrent relays coordination. Applied Soft Computing (1568-4946). 2019. vol.74 - . Pag.10 - 25                                                                                                           | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah; Tostado-véliz, Marcos                                                                         | Several robust and efficient load flow techniques based on combined approach for ill-conditioned power systems. International Journal of Electrical Power & Energy Systems (0142-0615). 2019. vol.110 - . Pag.349 - 356                                          | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| López-García, Diego A.; Pérez-Torreglosa, Juan; Vera-Candeas, David                                                                             | A decentralized P2P control scheme for trading accurate energy fragments in the power grid. International Journal of Electrical Power & Energy Systems (0142-0615). 2019. vol.110 - . Pag.271 - 282                                                              | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Almonacid-Cruz, Bernardo; Fernández-Fernández, Eduardo; Rodrigo-Cruz, Pedro Manuel; Soria-moya, Alberto; Varona, Jorge                          | Comparative assessment of simplified indexes for the spectral characterisation of photovoltaic systems. Measurement: Journal of the International Measurement Confederation (0263-2241). 2019. vol.133 - . Pag.1 - 8                                             | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah; Tostado-véliz, Marcos                                                                         | Developed Newton-Raphson based predictor-corrector load flow approach with high convergence rate. International Journal of Electrical Power & Energy Systems (0142-0615). 2019. vol.105 - . Pag.785 - 792                                                        | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Mohamed-Kamel, Salah                                                                                                                            | An improved fast detection method on subsynchronous resonance in a wind power system with a series compensated transmission line. IEEE Access (). 2019. vol.7 - . Pag.61512 - 61522                                                                              | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Single- and multi-objective optimal power flow frameworks using Jaya optimization technique. Neural Computing and Applications (0941-0643). 2019. vol.31 - 12. Pag.8787 - 8806                                                                                   | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Jiménez Castillo, Gabino; López-Talavera, Diego; Muñoz-Rodríguez, Francisco José; Rus-Casas, Catalina                                           | A new approach to sizing the photovoltaic generator in self-consumption systems based on cost-competitiveness, maximizing direct self-consumption. Renewable Energy (0960-1481). 2019. vol.130 - January 2019. Pag.1021 - 1035                                   | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Fernández-Ramírez, Luis M.; García-Triviño, Pablo; Jurado-Melguizo, Francisco; Pérez-Torreglosa, Juan                                           | Optimised operation of power sources of a PV/battery/hydrogen-powered hybrid charging station for electric and fuel cell vehicles. IET Renewable Power Generation (1752-1416). 2019. vol.13 - 16. Pag.3022 - 3032                                                | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Casa-Hernandez, Jesus De La; Muñoz-Rodríguez, Francisco José; Sánchez, Francisco José                                                           | Design criteria for the optimal sizing of a hybrid energy storage system in PV household-prosumers to maximize self-consumption and selfsufficiency. Energy (0360-5442). 2019. vol.186 - 1. Pag. -                                                               | Publicaciones en Revista | Articulo                 | JCR | Q1 |
| Cruz-Lendínez, Alfonso Jesús; Espinilla-Estévez, Macarena; Verdejo-Espinosa, Maria Angeles                                                      | Challenges of Ethical Evaluation Models for Intelligent Assistive Technologies. An Initial Ethical Model Based on Linguistic Decision Analysis. Proceedings (). 2019. vol.31 - 1. Pag.22 - 31                                                                    | Publicaciones en Revista | Articulo                 |     |    |
| Cruz-Lendínez, Alfonso Jesús; Espinilla-Estévez, Macarena; González-López, Lucía; Medina-Quero, Javier; Verdejo-Espinosa, Maria Angeles         | Challenges of Ethical Evaluation Models for Intelligent Assistive Technologies. An Initial Ethical Model Based on Linguistic Decision Analysis. Proceedings (). 2019. vol.31 - 1. Pag.22 -                                                                       | Publicaciones en Revista | Articulo                 |     |    |
| Gomez-Vidal, Pedro; Jiménez Castillo, Gabino; Muñoz-Rodríguez, Francisco José; Rus-Casas, Catalina                                              | Improvements in Performance Analysis of Photovoltaic Systems: Array Power Monitoring in Pulse Width Modulation Charge Controllers. Sensors (1424-3210). 2019. vol.19(9) - 2150. Pag.1 - 24                                                                       | Publicaciones en Revista | Articulo                 |     |    |
| Cano-Ortega, Antonio; Sánchez, Francisco José                                                                                                   | Monitoring of the Eciency and Conditions of Induction Motor Operations by Smart Meter Prototype Based on a LoRa Wireless Network. Electronics (). 2019. vol.8 - 9. Pag.1040 -                                                                                    | Publicaciones en Revista | Articulo                 |     |    |
| Cano-Ortega, Antonio; Casa-Hernandez, Jesus De La; Rus-Casas, Catalina; Sánchez, Francisco José                                                 | Development and Calibration of an Open Source, Low-Cost Power Smart Meter Prototype for PV Household-Prosumers. Electronics (). 2019. vol.8 - 9. Pag.878 - 907                                                                                                   | Publicaciones en Revista | Articulo                 |     |    |
| Cano-Ortega, Antonio; Casa-Hernandez, Jesus De La; Sánchez, Francisco José                                                                      | Power Factor Compensation Using Teaching Learning Based Optimization and Monitoring System by Cloud Data Logger. Sensors (1424-3210). 2019. vol.19 - 9. Pag.2172 - 2201                                                                                          | Publicaciones en Revista | Articulo                 |     |    |
| Fernández-carrasco, Juan Ignacio; Hontoria-García, Leocadio; Jiménez Castillo, Gabino; Muñoz-Rodríguez, Francisco José; Rus-Casas, Catalina     | Development of a Utility Model for the Measurement of Global Radiation in Photovoltaic Applications in the Internet of Things (IoT). Electronics (). 2019. vol.8(3) - 304. Pag.1 - 17                                                                            | Publicaciones en Revista | Articulo                 |     |    |
| Bonet-Martínez, Eduardo; Castro-Galiano, Eulogio; Eliche-Quesada, Dolores; Pérez-Villarejo, Luis; Sanchez-Soto, Pedro Jose; Vera-Candeas, David | Alkali-activated geopolymers derived from industrial and agroindustrial by-products. Pag: 259 - 274. En: Vitrogeowastes. Vitrification and geopolymerization of wastes for immobilization or recycling. Ed . University Miguel Hernández of Elche. 2019. ISBN 97 | Capítulo de Libro        |                          |     |    |
| Fernández-Ramírez, Luis M.; García-Vazquez, Carlos Andres; Jurado-Melguizo, Francisco; Sarrias-Mena, Raúl                                       | Design of a Supervisory Control System based on fuzzy logic for a hybrid system comprising wind power, battery and ultracapacitor energy storage system. Pag: 189 - 212. En: Advanced Control and Optimization Paradigms for Wind Energy Systems. Ed . Springer  | Capítulo de Libro        |                          |     |    |
| Jiménez Castillo, Gabino; Muñoz-Rodríguez, Francisco José; Rus-Casas, Catalina; Tina, Marco                                                     | Smart meters for the evaluation of self-consumption in zero energy buildings. Comunicación en congreso. 10th International Renewable Energy Congress IREC2019. Sousse ¿ Tunisia, 2019                                                                            | Aportaciones a Congresos | Comunicación en congreso |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | A Simple Modeling of Static Series Synchronous Compensator in NEPLAN for Power System Control. Comunicación en congreso. IEEE 45th Annual Conference of the Industrial Electronics Society. Lisboa, Portugal, 2019                                               | Aportaciones a Congresos | Comunicación en congreso |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Multi-objective whale optimization algorithm for optimal integration of multiple DGs into distribution systems. Ponencia en Congreso. IEEE Innovative Smart Grid Technologies. Chengdu, China, 2019                                                              | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco                                                                                                                      | Optimización de la integración de energías renovables en un edificio funcional. Ponencia en Congreso. LACCEI International Multi-Conference for Engineering, Education, and Technology. Jamaica, 2019                                                            | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Power losses and Energy Cost Minimization Using Shunt Capacitors Installation in Distribution Systems. Ponencia en Congreso. IEEE International Renewable Energy Congress. Túnez, Túnez, 2019                                                                    | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Development of Probabilistic Power Flow Algorithm for Radial Distribution Systems with Capacitors Using Analytical Approach. Ponencia en Congreso. IEEE International Renewable Energy Congress. Túnez, Túnez, 2019                                              | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Voltage Profile Enhancement Using Multi-Objective Sine Cosine Algorithm for Optimal Installation of DSTACOMs into Distribution Systems. Ponencia en Congreso. IEEE International Renewable Energy Congress. Túnez, Túnez, 2019                                   | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Power System Voltage Stability Based on Optimal Size and Location of Shunt Capacitor Using Analytical Technique. Ponencia en Congreso. IEEE International Renewable Energy Congress. Túnez, Túnez, 2019                                                          | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Korashy, Ahmed; Mohamed-Kamel, Salah                                                                                | Most valuable player algorithm for solving direction overcurrent relays coordination problem Tipo de participación: Ponencia. Ponencia en Congreso. ITCE). Aswan, Egipto, 2019                                                                                   | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Series FACTS Devices for Maximization of Loadability and Minimization of Fuel Cost. Ponencia en Congreso. 2019 IEEE International Middle East Power Systems Conference. Tanta, Egipto, 2019                                                                      | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Mohamed-Kamel, Salah                                                                                                                            | Assessment Integration of wind-based DG and DSTATCOM in Egyptian distribution grid considering load demand uncertainty. Ponencia en Congreso. IEEE Innovative Smart Grid Technologies. Chengdu, China, 2019                                                      | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Integration of downdraft gasifier with solid oxide fuel cell and organic Rankine cycle for power production. Ponencia en Congreso. IEEE International Conference on Computer, Control, Electrical, and Electronics Engineering. Jartum, Sudán, 2019              | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Modeling analysis of downdraft gasification integrated with SOFC for power generation. Ponencia en Congreso. IEEE International Conference on Computer, Control, Electrical, and Electronics Engineering. Jartum, Sudán, 2019                                    | Aportaciones a Congresos | Ponencia en Congreso     |     |    |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                                                | Maximization of power system loadability by optimal FACTS allocation. Ponencia en Congreso. IEEE International Conference on Computer, Control, Electrical, and Electronics Engineering. Jartum, Sudán, 2019                                                     | Aportaciones a Congresos | Ponencia en Congreso     |     |    |

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| Jurado-Melguizo, Francisco                                                                                                     | OTEC alternative for the electric power generation in Panama. Ponencia en Congreso. IEEE International Engineering, Sciences and Technology Conference. Panamá City, Panamá, 2019                                                                      | Aportaciones a Congresos | Ponencia en Congreso           |
| Benavides, Dario Javier; Jurado-Melguizo, Francisco; Paul Arévalo                                                              | Energy Control and sizing optimization of an off grid Hybrid System (Wind-Hydrokinetic-Diesel). Ponencia en Congreso. IEEE Colombian Conference on Automatic Control (CCAC). Medellín, Colombia, 2019                                                  | Aportaciones a Congresos | Ponencia en Congreso           |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                               | Capacitor allocation in distribution systems using fuzzy loss sensitivity factor with sine cosine algorithm. Ponencia en Congreso. IEEE Innovative Smart Grid Technologies. Chengdu, China, 2019                                                       | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Optimal reactive power dispatch using modified sine cosine algorithm. Ponencia en Congreso. 2019 IEEE International Conference on Innovative Trends in Computer Engineering (ITCE). Aswan, Egipto, 2019                                                | Aportaciones a Congresos | Ponencia en Congreso           |
| Benavides, Dario Javier; González, L.g.; Hernández - Callejo, Luis; Jurado-Melguizo, Francisco                                 | Machine learning data applied to monitoring PV systems: A case study*. Ponencia en Congreso. Conference: Ibero-American Congress of Smart Cities (ICSC-CITIES 2019)At: Soria (Spain). Soria - Spain, 2019                                              | Aportaciones a Congresos | Ponencia en Congreso           |
| Benavides, Dario Javier; Espinoza, Juan Leonardo; Hernández - Callejo, Luis; Jurado-Melguizo, Francisco                        | Impact on a microgrid using different storage systems under three energy dispatch control. Ponencia en Congreso. Conference: II Ibero-American Congress of Smart Cities (ICSCCITIES 2019), Oct.2019. Soria - Spain, 2019                               | Aportaciones a Congresos | Ponencia en Congreso           |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                               | Optimal Coordination of Overcurrent Relays Using Metaphor-less Simple Method. Ponencia en Congreso. 2019 IEEE International Middle East Power Systems Conference. Tanta, Egipto, 2019                                                                  | Aportaciones a Congresos | Ponencia en Congreso           |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                               | Optimal Placement of PMU for State Estimation of Electrical Power Systems. Ponencia en Congreso. 2019 IEEE International Middle East Power Systems Conference. Tanta, Egipto, 2019                                                                     | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Distribution network reconfiguration using augmented grey wolf optimization algorithm for power loss minimization. Ponencia en Congreso. 2019 IEEE International Conference on Innovative Trends in Computer Engineering (ITCE). Aswan, Egipto, 2019   | Aportaciones a Congresos | Ponencia en Congreso           |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                               | Application of Harris Hawks Algorithm for Frequency Response Enhancement of Two-Area Interconnected Power System with DFIG Based Wind Turbine. Ponencia en Congreso. 2019 IEEE International Middle East Power Systems Conference. Tanta, Egipto, 2019 | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Short circuit analysis and coordination of overcurrent relays for a realistic substation located in upper Egypt. Ponencia en Congreso. IEEE Innovative Smart Grid Technologies. Chengdu, China, 2019                                                   | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Performance assessment of a realistic Egyptian distribution network including PV penetration with DSTATCOM. Ponencia en Congreso. 2019 IEEE International Conference on Innovative Trends in Computer Engineering (ITCE). Aswan, Egipto, 2019          | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Impact of distributed generation on recloser-fuse coordination of radial distribution networks. Ponencia en Congreso. 2019 IEEE International Conference on Innovative Trends in Computer Engineering (ITCE). Aswan, Egipto, 2019                      | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Combined tree growth algorithm for optimal location and size of multiple DGs with different types in distribution systems. Ponencia en Congreso. IEEE Innovative Smart Grid Technologies. Chengdu, China, 2019                                         | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Reconfiguration of radial distribution systems for power loss minimization using salp swarm optimization algorithm. Ponencia en Congreso. IEEE Innovative Smart Grid Technologies. Chengdu, China, 2019                                                | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Allocation of distributed generation in radial distribution networks using an efficient hybrid optimization algorithm. Ponencia en Congreso. IEEE Innovative Smart Grid Technologies. Chengdu, China, 2019                                             | Aportaciones a Congresos | Ponencia en Congreso           |
| Mohamed-Kamel, Salah                                                                                                           | Solving optimal reactive power dispatch problem considering load uncertainty. Ponencia en Congreso. IEEE Innovative Smart Grid Technologies. Chengdu, China, 2019                                                                                      | Aportaciones a Congresos | Ponencia en Congreso           |
| Jurado-Melguizo, Francisco; Mohamed-Kamel, Salah                                                                               | Developed Algorithm Based on Lightning Search Optimizer and Analytical Technique for Multiple DGs Allocation in Distribution Networks. Ponencia en Congreso. 2019 IEEE International Middle East Power Systems Conference. Tanta, Egipto, 2019         | Aportaciones a Congresos | Ponencia en Congreso           |
| Berrejo-Román, Ruperto; Fernández-nájera, Vicente; García-Galan, Sebastian; Iglesias-Godino, María; Jurado-Melguizo, Francisco | HERRAMIENTA DE COORDINACIÓN DE TITULACIONES EN LA EPS DE LINARES. Sesión no plenaria en Congreso. V Congreso Internacional sobre innovación, Aprendizaje y Cooperación. Madrid, 2019                                                                   | Aportaciones a Congresos | Sesión no plenaria en Congreso |

(\*) Datos contrastados con revistas JCR de acuerdo a los últimos listados publicados. (revistas año 2019)