

### Liste des articles de Journaux publiés en 2018

1. RabeH Abbassi, Abdelkader Abbassi, Mohamed Jemli, Souad Chebbi, Identification of unknown parameters of solar cell models: A comprehensive overview of available approaches, *Renewable and Sustainable Energy Reviews*, Vol. 90, pp. 453-474, 2018. (IF\_WOS: **10.566**)
2. Walid Touti, Mohamed Salah, Khmais Bacha, Yassine Amirat, Abdelkader Chaari, Mohamed Benbouzid, An improved electromechanical spectral signature for monitoring gear-based systems driven by an induction machine, *Applied Acoustics*, Vol. 141, pp. 198-207, 2018. (IF\_WOS: **2.297**)
3. Abdelkader Abbassi, RabeH Abbassi, Mohamed Ali Dami, Mohamed Jemli, Multi-objective genetic algorithm based sizing optimization of a stand-alone wind/PV power supply system with enhanced battery/supercapacitor hybrid energy storage, *Energy*, Vol. 163, pp. 351-363, 2018. (IF\_WOS: **5.537**)
4. Chiheb Ben Regaya, Fethi Farhani, Abderrahmen Zaafouri, Abdelkader Chaari, A novel adaptive control method for induction motor based on Backstepping approach using dSpace DS 1104 control board, *Mechanical Systems and Signal Processing*, Vol. 100, pp. 466-481, 2018. (IF\_WOS: **5.005**)
5. Wajdi Saad, Anis Sellami, Germain Garcia, Robust integral sliding mode- $H_\infty$  control of one-sided Lipschitz non-linear systems, *IET Control Theory & Applications*, Vol.12, No. 17, p. 2357 – 2367, 2018. (IF\_WOS: **3.526**)
6. Adel Taieb, Moez Soltani, Abdelkader Chaari, A fuzzy C-regression model algorithm using a new PSO algorithm, *International Journal of Adaptive Control and Signal Processing*, Vol. 32, No. 1, pp. 115-133. (IF\_WOS: **2.239**)
7. Talel Bessaoudi, Fayçal Ben Hmida, Recursive Five-Step Filter for State and Fault Estimation of Linear Descriptor Stochastic Systems with Unknown Disturbances, *Journal of Circuits, Systems and Computers*, Vol. 27, No. 06, 2018. (IF\_WOS: **0.595**)
8. Ali Ben Brahim, Slim Dhahri, Fayçal Ben Hmida, Anis Sellami, Multiplicative Fault Estimation-Based Adaptive Sliding Mode Fault-Tolerant Control Design for Nonlinear Systems, *Complexity*, Vol. 2018, Article ID 1462594, 15 pages, 2018. (IF\_WOS: **2.591**)
9. Jaouher Chroua, Abderrahmen Zaafouri, Mohamed Jemli, An improved heterogeneous multi-swarm PSO algorithm to generate an optimal TS fuzzy model of a hydraulic process, *Transactions of the Institute of Measurement and Control*, Vol 40, No. 6, pp. 2039-2053, 2018. (IF\_WOS: **1.956**)
10. Mongi Moujahed, Hechmi Benazza, Mohamed Jemli, Mohamed Boussak, Sensorless Speed Control and High-Performance Fault Diagnosis in VSI-Fed PMSM Motor Drive Under Open-Phase Fault: Analysis and Experiments, *Iranian Journal of Science and Technology, Transactions of Electrical Engineering*, Vol. 42, No. 4, pp. 419- 428, 2018. (IF\_WOS: **0.600**)
11. Bilel Touaiti, Hechmi Ben Azza, Mongi Moujahed, Mohamed Jemli, Fault-tolerant voltage source converter for wind-driven doubly fed induction generator connected to a DC load, *Journal of Circuits, Systems and Computers*, Vol. 27, No. 10, 2018. (IF\_WOS: **0.595**)
12. Jaouher Chroua, Abderrahmen Zaafouri, Mohamed Jemli, System identification using gray-based adaptive heterogeneous multi-swarm PSO algorithm: Application to an

- irrigation station, *Journal of Circuits, Systems and Computers*, Vol. 27, No. 04, 2018. (IF\_WOS: **0.595**)
13. Wael Chakchouk, Jaouher Chroua, Chiheb Ben Regaya, Abderrahmen Zaafour, Anis Sellami, Discrete-time adaptive backstepping control: Application to pumping station, *Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering*, Vol 232, Issue 6, pp. 683-694, 2018. (IF\_WOS: **1.166**)
  14. Yassine Amirat, Mohamed Benbouzid, Wang Tianzhen, Khmais Bacha, Feld Gilles, EEMD-based notch filter for induction machine bearing faults detection, *Applied Acoustics*, Vol. 133, pp. 202-209, 2018. (IF\_WOS: **2.297**)
  15. Oussama Saadaoui, Amor Khlaief, Moez Abassi, Abdelkader Chaari, Mohamed Boussak, A rotor initial position estimation method for sensorless field-oriented control of permanent magnet synchronous motor, *Transactions of the Institute of Measurement and Control*, Vol 40, No. 15, pp. 4198-4207, 2018. (IF\_WOS: **1.956**)
  16. Bilel Touaiti, Mongi Moujahed, Hechmi Ben Azza , Mohamed Jemli, Fault-tolerant VSI for stand-alone DFIG feeding an isolated DC load, *International Journal of Electronics*, Vol. 105, No. 10, pp. 1769-1784, 2018. (IF\_WOS: **1.070**)
  17. Lassad Houcine, Mohamed Bouzbida and Abdelkader Chaari, Improved Adaptive Particle Swarm Optimization for Optimization Functions and Clustering Fuzzy Modeling System, *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, Vol. 26, No. 05, pp. 717-739, 2018. (IF\_WOS: **1.286**)
  18. Khaoula Khelifi, Amira Haddouk, Ahlem Ayari, Hfaiedh Mechergui, Measurement of active power, electrical energy, and TRMS voltage and current using the dual slope conversion technique, *Turkish Journal of Electrical Engineering & Computer Sciences*, Vol. 26, pp. 1081-1092, 2018. (IF\_WOS: **0.625**)
  19. Wael Dghais, Malek Souilem, Fakhreddine Zayer, Abdelkader Chaari, Power Supply- and Temperature-Aware I/O Buffer Model for Signal-Power Integrity Simulation, *Mathematical Problems in Engineering*, Volume 2018, Article ID 1356538, pp1-9, 2018. (IF\_WOS: **1.179**)
  20. Moez Abassi, Omar Khlaief, Oussama Saadaoui, Abdelkader Chaari, Mohamed Boussak, Real-time implementation of discrete Fourier transform phase analysis and fault tolerant control for PMSM in electric vehicles, *COMPEL-The international journal for computation and mathematics in electrical and electronic engineering*, Vol. 37, No. 1, pp. 432-447, 2018. (IF\_WOS: **0.705**)
  21. Wael Dghais, Muhammad Alam, Wireless Power Transfer and In-Vehicle Networking Integration for Energy-Efficient Electric Vehicles, *Mobile Networks and Applications*, Vol. 23, pp. 1151–1164, 2018. (IF\_WOS: **2.39**)
  22. Achraf Jabeur Telmoudi, Moez Soltani, Lotfi Chaouech, Abdelkader Chaari, Parameter estimation of nonlinear systems using a robust possibilistic c-regression model algorithm, *Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering*, 2018. (IF\_WOS: **1.166**).
  23. Borhen Torchani, Chaker Zaafour, Anis Sellami , Germain Garcia, Discrete-time sliding mode control of a class of linear uncertain saturated systems, *International Journal of Automation and Control*, Vol.12, No. 1, pp. pp. 78–107, 2018. (IF\_SJR: **0.162**)
  24. Ezzeddine Touti, Habib Kraim, Remus Pusca, Raphael Romary, Modeling of an isolated induction generator considering saturation effect, *Archives Of Electrical Engineering*, Vol. 67, No. 4), pp. 755–772, 2018. (IF\_SJR: **0.221**)

25. Mongi Moujahed, Mondher Hajji, Hechmi Benazza, Mohamed Jemli, Mohamed Boussak, Open-Circuit Fault Detection for IGBTs Based on Leg Voltage Approach in SVM-DTC of PMSM, *Recent Advances in Electrical & Electronic Engineering*, Vol.11, No. 1, pp. 21-25, 2018. (IF\_SJR: **0.11**)
26. Wajdi Saad, Anis Sellami, Germain Garcia, Terminal sliding mode control-based MPPT for a photovoltaic system with uncertainties, *International Journal of Modelling, Identification and Control*, Vol. 29, No. 2, pp. 118–126, 2018. (IF\_SJR: **0.291**)
27. Houaida Cherni, Iskander Boulaabi, Anis Sellami, Fayçal Ben Hmida, Faults reconstruction for output time-delay systems: sliding mode observer approach, *International Journal of Modelling, Identification and Control*, Vol. 29, No. 2, pp. 136–143, 2018. (IF\_SJR: **0.291**)