

### Liste des articles de Journaux publiés en 2019

1. Moez Soltani, A. Jabeur Telmoudi, L. Chaouech, A. Maaruf, Abdelkader Chaari, Design of a robust interval-valued type-2 fuzzy c-regression model for a nonlinear system with noise and outliers, *Soft Computing*, Vol. 23, No. 15, pp. 6125-6134, 2019. (IF\_WOS: **2.784**)
2. Oussama Saadaoui, Amor Khlaief, Moez Abassi, Imen Tlili, Abdelkader Chaari, Mohamed Boussak, A New Full-Order Sliding Mode Observer Based Rotor Speed and Stator Resistance Estimation for Sensorless Vector Controlled Pmsm Drives, *Asian Journal of Control*, Vol. 21, No. 3, pp. 1318-1327, 2019. (IF\_WOS: **2.005**)
3. Hichem Hamdi, Chiheb Ben Regaya, Abderrahmen Zaafouri, Real-time study of a photovoltaic system with boost converter using the PSO-RBF neural network algorithms in a MyRio controller, *Solar Energy*, Vol 183, pp.1-16, 2019. (IF\_WOS: **4.674**)
4. Jaouher Chroua, Wael Chakchouk, Abderrahmen Zaafouri, Mohamed Jemli, Modeling and Control of an Irrigation Station Process Using Heterogeneous Cuckoo Search Algorithm and Fuzzy Logic Controller, *IEEE Transactions on Industry Applications*, Vol. 55, No. 1, pp. 976 – 990, 2019. (IF\_WOS: **3.347**)
5. Talel Bessaoudi, Fayçal Ben Hmida, Chien-Shu Hsieh, Robust state and fault estimation for non-linear stochastic systems with unknown disturbances: a multi-step delayed solution, *IET Control Theory & Applications*, Vol. 13, No. 16, pp. 2556-2570, 2019. (IF\_WOS: **3.526**)
6. Ali Ben Brahim, Slim Dhahri, Fayçal Ben Hmida, Anis Sellami, Adaptive sliding mode fault tolerant control design for uncertain nonlinear systems with multiplicative faults: Takagi–Sugeno fuzzy approach, *Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering*, <https://doi.org/10.1177/0959651819857385>, 2019. (IF\_WOS: **1.166**)
7. Raouaa Tayari, Ali Ben Brahim, Fayçal Ben Hmida, and Anis Sallami, Active Fault Tolerant Control Design for LPV Systems with Simultaneous Actuator and Sensor Faults, *Mathematical Problems in Engineering*, Vol. 2019, pp, 1-14, 2019. (IF\_WOS: **1.179**)
8. Bilel Touaiti, Hechmi Ben azza, Mohamed Jemli, An open-switch fault detection scheme in the IGBT-based PWM power converter used in DFIG connected to DC-bus, *International Transactions on Electrical Energy Systems*, Vol. 29, No. 1, 2019. (IF\_WOS: **1.314**)
9. Wajdi Saad, Anis Sellami, Germain Garcia,  $H_\infty$ -Sliding mode control of one-sided Lipschitz nonlinear systems subject to input nonlinearities and polytopic uncertainties, *ISA transactions*, Vol. 90, pp. 19-29, 2019. (IF\_WOS: **4.343**)
10. Wajdi Saad, Anis Sellami, Germain Garcia, Robust stabilization of one-sided Lipschitz nonlinear systems via adaptive sliding mode control, *Journal of Vibration and Control*, <https://doi.org/10.1177/1077546319889413>, 2019. (IF\_WOS: **2.865**)
11. Marwa Jouini, Slim Dhahri, Anis Sellami, Combination of integral sliding mode control design with optimal feedback control for nonlinear uncertain systems, *Transactions of the Institute of Measurement and Control*, Vol. 41, No. 5, 2019. (IF\_WOS: **1.956**)
12. Fakhreddine Zayer, Wael Dghais, M Benabdeladhim, B Hamdi, Low power, ultrafast synaptic plasticity in 1R-ferroelectric tunnel memristive structure for spiking neural

- networks, AEU - International Journal of Electronics and Communications, Vol. 100, pp. 56-65, 2019. (IF\_WOS: **2.853**)
13. Sami Barmada, Mauro Tucci, Nunzia Fontana, Wael Dghais, Marco Raugi, Design and Realization of a Multiple Access Wireless Power Transfer System for Optimal Power Line Communication Data Transfer, *Energies*, Vol. 12, No.6, 2019. (IF\_WOS: **2.707**)
  14. Wael Dghais, Malek Souilem, Muhammad Alam, Mixed-Signal Overclocked I/O Buffers Model Abstraction for Signal Integrity Assessment, *IEEE Transactions on Very Large Scale Integration (VLSI) Systems*, Vol. 27, No. 3, pp. 691 – 699, 2019. (IF\_WOS: **1.946**)
  15. Wael Dghais, Muhammad Alam, Wireless Power Transfer and In-Vehicle Networking Integration for Energy-Efficient Electric Vehicles, *Mobile Networks and Applications*, Vol. 23, No. 5, pp 1151–1164, 2019. (IF\_WOS: **2.390**)
  16. Haroon Khan, Mian Ahmad Jan, Muhammad Alam, Wael Dghais, A channel borrowing approach for cluster-based hierarchical wireless sensor networks, *Mobile Networks and Applications*, Vol. 24, pp. 1306–1316, 2019. (IF\_WOS: **2.390**)
  17. Marwen Bjaoui, Brahim Khiari, Ridha Benadli, Mouad Memni, Anis Sellami, Practical Implementation of the Backstepping Sliding Mode Controller MPPT for a PV-Storage Application, *Energies*, Vol. 12, No. 18, pp. 1-22, 2019. (IF\_WOS: **2.707**)
  18. Mongi Moujahed, Bilel Touaiti, Hechmi Ben Azza, Mohamed Jemli, Mohamed Boussak, Fault Tolerant Power Converter Topologies for Sensor-less Speed Control of PMSM Drives, *Periodica Polytechnica Electrical Engineering and Computer Science*, vol. 63, No.3, pp. 227-234, 2019. (IF\_SJR: **0.145**)
  19. Nadia Marsa, Lassad Houcine, Abdurrahman Zaafouri, Abdelkader Chaari, Optimal sizing of stand-alone hybrid photovoltaic/wind system using BAT algorithm, *International Journal of Ambient Energy*, pp. 1-9, <https://doi.org/10.1080/01430750.2019.1573756>, 2019. (IF\_SJR: **0.408**)
  20. Moez Abassi, Oussama Saadaoui, Amor Khlaief, Abdelkader Chaari, Mohamed Boussak, PMSM DTC Drive System Fed, *Recent Advances in Electrical & Electronic Engineering*, Vol. 12, No. 1, pp. 61-67, 2019. (IF\_SJR: **0.11**)