

Liste des articles de Journaux publiés en 2017

1. Jamila Ghnimi, Zouhour Kadachi, Moufida Ben Karoui, Rached Gharbi, Performances Enhancement of Natural DSSC by Ga-Doped ZnO Layer Used in the FTO/TiO₂/ZnG Photoanode, IEEE Journal of Photovoltaics, Vol.7, Issue 6, pp 1667-1673, 2017. (IF_WOS: 3.398)
2. Fethi Farhani, Chiheb Ben Regaya, Abderrahmen Zaafouri, Abdelkader Chaari, Real time PI-backstepping induction machine drive with efficiency optimization, ISA Transactions, Vol. 70, pp. 348-356, 2017. (IF_WOS: 4.343)
3. Lotfi Chaouech, Moez Soltani, Slim dhahri, Abdelkader Chaari, An Optimal Fuzzy Sliding Mode Controller Design Based On Particle Swarm Optimization And Using Scalar Sign Function, Iranian Journal of Fuzzy Systems, Vol. 14, No. 4, pp. 67-85, 2017. (IF_WOS: 1.496)
4. Asma CHIHI, Hechmi Ben Azza, Mohamed Jemli, Anis Sellami, Nonlinear integral sliding mode control design of photovoltaic pumping system: Real time implementation, ISA Transactions, Vol. 70, pp. 475-485, 2017. (IF_WOS: 4.343)
5. Ali Ben Brahim, Slim Dhahri, Fayçal Ben Hmida, Anis Sallami, Simultaneous actuator and sensor faults reconstruction based on robust sliding mode observer for a class of nonlinear systems, Asian Journal of Control , Vol. 19, No. 1, pp 362-371, 2017. (IF_WOS: 2.829)
6. Fethi Farhani, Abderrahmen Zaafouri, Abdelkader Chaari, Real time induction motor efficiency optimization, Journal of the Franklin Institute, Vol. 354, No. 8, pp. 3289–3304, 2017. (IF_WOS: 3.653)
7. Asma Chihi, Hechmi BEN AZZA, Mohamed Jemli, Anis Sellami, Nonlinear Discrete-Time Integral Sliding Mode Control of an Induction Motor: Real-Time Implementation, Studies in Informatics and Control, Vol. 26, No. 1, pp 23-32, 2017. (IF_WOS: 1.347)
8. Adel Taieb, Moez Soltani, Abdelkader Chaari, Parameter Optimization of MIMO Fuzzy Optimal Model Predictive Control By APSO, Complexity, Vol. 2017, 11 pages, 2017. (IF_WOS: 2.591)
9. Wael Chakchouk, Chiheb Ben Regaya, Abderrahmen Zaafouri, Anis Sellami, Fuzzy Supervisor Approach Design Based-Switching Controller for Pumping Station: Experimental Validation, Mathematical Problems in Engineering, Vol. 2017, 12 pages, 2017. (IF_WOS: 1.179)
10. Talel Bessaoudi, Fayçal Ben Hmida, Chien-Shu Hsieh, Robust state and fault estimation for linear descriptor stochastic systems with disturbances: a DC motor application”, IET Control Theory & Applications, Vol. 11, No. 5, pp. 601 – 610, 2017. (IF_WOS: 3.526)
11. Mohamed Bouzbida, Lassad Hassine, Abdelkader Chaari, Robust Kernel Clustering Algorithm for Nonlinear System Identification, Mathematical Problems in Engineering, Vol. 2017, 11 pages, 2017. (IF_WOS: 1.179)
12. Marwa Jouini, Slim Dhahri, Anis Sellami, Design of Robust Supertwisting Algorithm Based Second-Order Sliding Mode Controller for Nonlinear Systems with Both

- Matched and Unmatched Uncertainty, Complexity, Vol. 2017, 8 pages, 2017. (IF_WOS: **2.591**)
13. Khira Ouelhazi, Abderrahmen Ben Chaabene, Anis Sellami, Abdennaceur Hassen, Multivariable model of an ultraviolet water disinfection system, Desalination and Water Treatment, Vol. 67, pp 89-96, 2017. (IF_WOS: **1.234**)
 14. Abderrahmen Ben Chaabene, Khira Ouelhazi, Anis Sellami, Novel design and modeling of a photovoltaic hydro electromagnetic reverse osmosis (PV-HEMRO) desalination system, Desalination and Water Treatment, Vol. 66, pp. 36-41, 2017. (IF_WOS: **1.234**)
 15. Saif Saadaoui, Mohamed Aziz Ben Youssef, Moufida Ben Karoui, Rached Gharbi, Emanuele Smecca, Vincenzina Strano, Salvo Mirabella, Alessandra Alberti, Rosaria A Puglisi, Performance of natural-dye-sensitized solar cells by ZnO nanorod and nanowall enhanced photoelectrodes, Beilstein Journal of Nanotechnology, Vol. 8, No. 1, pp. 287-295, 2017. (IF_WOS: **2.27**)
 16. Abdelkader Abbassi, Mohamed Ali Dami, Mohamed Jemli, A statistical approach for hybrid energy storage system sizing based on capacity distributions in an autonomous PV/Wind power generation system, Renewable Energy, Vol. 103, pp. 81-93, 2017. (IF_WOS: **5.493**)
 17. Abdelkader Abbassi, Rabiaa Gammoudi, Mohamed Ali Dami, Othman Hasnaoui, Mohamed Jemli, An improved single-diode model parameters extraction at different operating conditions with a view to modeling a photovoltaic generator: A comparative study, Solar Energy, Vol. 155, pp. 478-489, 2017. (IF_WOS: **4.674**)
 18. Ali Ben Brahim, Slim Dhahri, Fayçal Ben Hmida, Anis Sallami, Sliding Mode Observers Based-Simultaneous Actuator and Sensor Faults Estimation for Linear Parameter Varying Systems, Mathematical Problems in Engineering, Vol. 2017, 13 pages, 2017. (IF_WOS: **1.179**)
 19. Hechmi Ben Azza, Mongi Moujahed, Mohamed Jemli, Mohamed Boussak, Implementation of improved Sliding Mode Observer and Fault Tolerant Control for a PMSM drive, Journal of Circuits, Systems and Computers. Vol. 26, No. 2, pp. 1750032-1- 1750032-16, 2017. (IF_WOS: **0.595**)
 20. Arwa Nasr, Soufiane Gasmi, Fayçal Ben Hmida, Parameter estimation of the flexible Weibull distribution for type I censored samples, Journal of Applied Statistics, Vol. 44 No. 14, pp. 2499-2512, 2017. (IF_WOS: **0.767**)
 21. Feten Gannouni, Fayçal Ben Hmida, Simultaneous Robust Fault and State Estimation for Linear Discrete-Time Uncertain Systems, Mathematical Problems in Engineering, vol 2017, pp 1-14, 2017. (IF_WOS: **1.179**)
 22. Oussama Saadaoui, Amor Khlaief, Moez Abassi, Abdelkader Chaari, Mohamed Boussak, A sliding mode observer for high-performance sensorless control of PMSM with initial rotor position detection, International Journal of Control, Vol. 90, No. 2, pp. 1-16, 2017. (IF_WOS: **2.930**)
 23. Talel Bessaoudi, Fayçal Ben Hmida, Chien-Shu Hsieh, Robust state and fault estimation for linear descriptor stochastic systems with disturbances: a DC motor application, IET Control Theory & Applications, Vol 11, No. 5, pp 601-610, 2017. (IF_WOS: **2.829**)
 24. Lotfi Chaouech, Moez Soltani, Slim Dhahri, Abdelkader Chaari, Design of an optimal fuzzy sliding mode control using scalar sign function, Asian Journal of Control, Vol. 19, No. 3, pp.1–15, 2017. (IF_WOS: **2.829**)

25. Abdeljelil Chammam, Nsibi Walid, Mohamed Nejib Nehdi, Brahim Mrabet, Anis sellami, Behaviour of a high-intensity discharge lamp fed by a high-frequency dimmable electronic ballast, *Lighting Research and Technology*, Vol. 49, No. 2, pp. 277-284, 2017. (IF_WOS: **2.311**)
26. Iskander Boulaabi, Anis Sellami, Fayçal Ben Hmida, Robust fault reconstruction based on sliding mode observer for a class of uncertain time-varying delay systems: a rocket motor system application, *International Journal of Automation and Control*, Vol 11, No. 1, pp 1-14, 2017. (IF_SJR: **0.162**)
27. Mongi Moujahed, Hechmi Ben Azza, Mohamed Jemli and Mohamed Boussak, Extended Kalman Filter for Sensorless Fault Tolerant Vector Control of PMSM with stator resistance estimation, *International Journal on Electrical Engineering and Informatics*, Vol. 9, No.1, pp. 207-221, 2017. (IF_SJR: **0.137**)
28. Jaouher Chroua, Abderrahmen Zaafouri, Mohamed Jemli, Modelling and identification of an irrigation station using hybrid possibilistic c-means and fuzzy particle swarm optimisation, *International Journal of Computer Applications in Technology*, Vol. 55, No. 1, pp 30-38, 2017. (IF_SJR: **0.249**)
29. Chiheb Ben Regaya, Fethi Farhani, Abderrahmen Zaafouri, Abdelkader Chaar, High-Performance Control of IM using MRASFuzzy Logic Observer, *International Journal of Tomography and Simulation*, Vol. 30, No. 2, 2017. (IF_SJR: **0.123**)
30. Mongi Moujahed, Mondher Hajji, Hechmi Benazza, Mohamed Jemli and 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**)
31. Borhen Torchani , Chaker Zaafouri, 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. 78-107, 2018. (IF_SJR: **0.162**)
32. Chiheb Ben Regaya, Fethi Farhani², Abderrahmen Zaafouri, Abdelkader Chaari, An adaptive sliding-mode speed observer for induction motor under backstepping control”, *Innov. Comput. Inform. Contr. (ICIC Express Letters)*, Vol.11, No.4, pp.763 -771, 2017. (IF_SJR: **0.147**)
33. Lotfi Chaouech, Moêz Soltani, Slim Dhahri, Abdelkader Chaari, Design of new fuzzy sliding mode controller based on parallel distributed compensation controller and using the scalar sign function, *Mathematics and Computers in Simulation*, volume 132 no 2, pp 277-288, 2017. (IF_WOS: **1.409**)