

Theme 1-5 Mechatronics and Control - 2021

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type
Parameter Identification of DC Motor Drive Systems using Particle Swarm Optimization	Hafez, I. Dhaouadi, R.	7th International Conference on Engineering and Emerging Technologies, ICEET 2021	-	-	-	Conference Proceeding	Conference Paper
Arch microbeam bifurcation gas sensors	Najar, F. Ghommem, M. Abdel-Rahman, E.	Nonlinear Dynamics	104	2	923-940	Journal	Article
Intelligent adaptive fuzzy logic genetic algorithm controller for anti-lock braking system	Batayneh, W. Bataineh, A. Jaradat, M.A.	International Review on Modelling and Simulations	14	1	44-54	Journal	Article
Energy harvesters for rotating systems: Modeling and performance analysis	Basheer, F. Mehaisi, E. Elsergany, A. ElSheikh, A. Ghommem, M. Najar, F.	Technisches Messen	88	3	164-177	Journal	Article
Enhanced EKF Method for State-of-Charge Estimation of Electric Vehicles' Li-ion Batteries under Highly Dynamic Power Profiles	Wadi, A. Abdel-Hafez, M.F. Hussein, A.A.	2021 4th International Symposium on Advanced Electrical and Communication Technologies, ISAECT 2021	-	-	-	Conference Proceeding	Conference Paper
An Extended Kalman Filter with Exponential Thermoelectric Measurement Model for Sensorless Surface Temperature Estimation of Li-ion Batteries	Sajid, M. Wadi, A. Abdel-Hafez, M. Hussein, A.A.	2021 IEEE Energy Conversion Congress and Exposition, ECCE 2021 - Proceedings	-	-	5903-5906	Conference Proceeding	Conference Paper