

Theme 1-5: Mechatronics and Control - 2019

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Adaptive Identification and Compensation of Nonlinear Friction in a Voice-Coil Linear Servomotor	Takrouri, M. Dhaouadi, R.	IEEE International Symposium on Industrial Electronics	2019-	-	455-460	Conference Proceeding	Conference Paper	
An In-Pipe Leak Detection Robot with a Neural-Network-Based Leak Verification System	Waleed, D. Mustafa, S.H. Mukhopadhyay, S. Abdel-Hafez, M.F. Jaradat, M.A.K. Dias, K.R. Arif, F. Ahmed, J.I.	IEEE Sensors Journal	19	3	1153-1165	Journal	Article	
Nonlinear reduced-order modeling and effectiveness of electrically-actuated microbeams for biomass sensing applications	Ghommem, M. Abdelkefi, A.	International Journal of Mechanics and Materials in Design	15	1	125-143	Journal	Article	
Shape memory effect in FeMnNiAl iron-based shape memory alloy	Abuzaid, W. Sehitoglu, H.	Scripta Materialia	169	-	57-60	Journal	Article	
Multi-objective robust design optimization of a sewing mechanism under uncertainties	Najlawi, B. Nejlaoui, M. Affi, Z. Romdhane, L.	Journal of Intelligent Manufacturing	30	2	783-794	Journal	Article	
Modeling and bias-robust estimation of the acoustic release of chemotherapeutics from liposomes	Wadi, A. Abdel-Hafez, M. Hussein, G.A.	Journal of Biomedical Nanotechnology	15	1	162-169	Journal	Article	Green
Caged Quadrotor Drone for Inspection of Central HVAC Ducts	Borik, A. Kallangodan, A. Farhat, W. Aougharib, A. Jaradat, M.A. Mukhopadhyay, S. Abdel-Hafez, M.	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	-	-	-	Conference Proceeding	Conference Paper	