C 1.1. Articles indexed in Web of Science - 2018

No.	Authors	Title	Journal	Volume (issue)	Pages
1	Constantin Florin Caruntu, Alessandro do Nascimento Vargas, Leonardo Acho, Gisella Pujol	Adaptive-Smith Predictor for Controlling an Automotive Electronic Throttle over Network	International Journal of Computers Communications & Control	13 (2)	151-161
2	Constantin Florin Caruntu, Cristian Velandia-Cardenas, Xinghua Liu, Alessandro do Nascimento Vargas	Model Predictive Control of Stochastic Linear Systems with Probability Constraints	International Journal of Computers Communications & Control	13 (2)	927-937
3	Cristian Mahulea, Marius Kloetzer	Robot Planning Based on Boolean Specifications Using Petri Net Models	IEEE Transactions on Automatic Control	63 (27)	2218-2225
4	Florin Leon, Costin Badica	Expressing Multiagent Coalition Structure Problems for Optimisation by Quantum Annealing	Enterprise Information Systems	-	1-20
5	Elvira Popescu, Florin Leon	Predicting Academic Performance Based on Learner Traces in a Social Learning Environment	IEEE Access	6	72774-72785
6	Robert Gabriel Lupu, Danut Constantin Irimia, Florina Ungureanu, Marian Silviu Poboroniuc, Alin Moldoveanu	BCI and FES Based Therapy for Stroke Rehabilitation Using VR Facilities	Wireless Communications and Mobile Computing	2018	8
7	Mihaela-Hanako Matcovschi; Octavian Pastravanu	Further Results on Diagonally Invariant Exponential Stability of Switching Linear Systems	Mathematical Problems in Engineering	2018	13
8	V. Manikandan, I. Petrila, S. Vigneselvan, R. Dharmavarapu, S. Juodkazis, S. Kavita, J. Chandrasekaran	Efficient humidity-sensitive electrical response of annealed lithium substituted nickel ferrite (Li–NiFe2O4) nanoparticles under ideal, real and corrosive environments	Journal of Materials Science: Materials in Electronics	29 (21)	18660-18667
9	Petru Cașcaval	Approximate Method to Evaluate Reliability of Complex Networks	Complexity	2018	11
10	Radu Matei	Analytical design methods for directional Gaussian 2D FIR filters	Multidimensional Systems and Signal Processing	29 (1)	185-211
11	Radu Olaru, Marius-Mugurel Mihai, Bogdan Gîrtan, Camelia Petrescu, Alexandru Arcire	Design and Experiment of an Electromagnetic Vibrational Inertial Actuator Using Linearized Magnetic Spring	Revue Roumaine des Sciences Techniques	63 (3)	6
12	M. Durea, R. Strugariu	Optimality conditions and a barrier method in optimization with convex geometric constraint	Optimization Letters, ISSN 1862-4472	12 (4)	923-931
13	Daniel Condurache	Higher-Order Accelerations on Rigid Bodies Motions. A Tensors and Dual Lie Algebra Approach	ACTA Technica Napocensis - Series: Applied Mathematics, Mechanics, and Engineering	61 (1)	29-38

14	Anca Maxim, Dana Copot, Robin De Keyser, ClaraM. Ionescu	An industrially relevant formulation of a distributed model predictivecontrol algorithm based on minimal process information	Journal of Process Control	68	240-253
15	Shiquan Zhao, Anca Maxim, Shemg Liu, Robin De Keyser, Clara Ionescu	Effect of Control Horizon in Model Predictive Control for Steam/Water Loop in Large-Scale Ships	Processes	6 (12)	1-14
16	Alessandro Benvisto, Francesco Messina, Andrea Finocchio, Luis Popa, Mihaela Stefan, Gheorghe Stefanescu, Catalin Mironeanu, Andrea Novelletto, Cesare Rapone, Andrea Berti	A genetic portrait of the South-Eastern Carpathians based on autosomal short tandem repeats loci used in forensics	American Journal of Human Biology	30 (5)	8
17	Razvan Mocanu, Alexandru Onea	Robust control of permanent magnet synchronous machine based on passivity theory	Asian Journal of Control	20 (5)	2034-2041