

C 1.1. Articles indexed in Web of Science - 2013

| No. | Authors | Title | Journal | Volume (issue) | Pages |
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| 1 | Caruntu Constantin, Lazar Mircea, Rob H. Gielen, Paul van den Bosch, Stefano Di Cairano | Lyapunov based predictive control of vehicle drivetrains over CAN | Control Engineering Practice, 1884–1898 | 21 (12) | 1884-1898 |
| 2 | Copot Cosmin, Burlacu Adrian, Ionescu Clara, Lazar Corneliu, De Keyser Robain | A Fractional Order Control Strategy for Visual Servoing Systems | Mechatronics, 0957-4158 | 23 (7) | 848-855 |
| 3 | Octavian Pastravanu, Mihaela Matcovschi | Stability of matrix polytopes with a dominant vertex and implications for system dynamics | Abstract and Applied Analysis, 1085-3375 | 2013 | 1-11 |
| 4 | Timotei Asaftei, Mihaela Matcovschi | Timed Continuous Petri Nets: Set Invariance in Feedback Design for Componentwise Boundedness and Weak Conservativity | Journal of Control Engineering and Applied Informatics, 1454-8658 | 15 (2) | 46-53 |
| 5 | Marius Apetrii, Marius Durea, Radu Strugariu | On Subregularity Properties of Set-Valued Mappings. Applications to Solid Vector Optimization | Set-Valued and Variational Analysis, 1877-0533 | 21 (1) | 92-126 |
| 6 | Marius Durea, Radu Strugariu | Calculus of tangent sets and derivatives of set-valued maps under metric subregularity conditions | Journal of Global Optimization, 0925-5001 | 56 (2) | 587-603 |
| 7 | Marius Durea, H.T. Nguyen, R. Strugariu | Metric regularity of epigraphical multivalued mappings and applications to vector optimization | Mathematical Programming, 0025-5610 | 139 (1-2) | 139-159 |
| 8 | Marius Durea, Radu Strugariu, Christiane Tammer | Scalarization in geometric and functional vector optimization revisited | Journal of Optimization Theory and Applications, 0022-3239 | 159 (3) | 635-655 |
| 9 | A. Sîrbu, G. Breaban, Ioan Cleju, I. Bogdan | Improved Genetic Algorithm for the Bandwidth Maximization in TDMA-based Mobile Ad Hoc Networks | Elektronika ir elektrotechnika | 19 (7) | 104-109 |
| 10 | Narcisa Apreutesei, V. Volpert | Reaction-diffusion waves with nonlinear boundary conditions | Netw. Heterog. Media | 8 (1) | 23-35 |
| 11 | Narcisa Apreutesei, A. Tosenberger, V. Volpert | Existence of reaction-diffusion waves with nonlinear boundary conditions | Math. Model. Nat. Phenom. | 8 (3) | |

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| 12 | Ioan Tudosa, Cristian Gyozo Haba, Valeriu David, Narcis Adochiei | Reduction of power line interferences from electrocardiographic signals by applying adaptive filtering on field programmable gate array circuits | ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, 1582-9596 | 12 (6) | 1199-1206 |
| 13 | Simona Caraiman, Vasile Manta | Quantum Image Filtering in the Frequency Domain | Advances in Electrical and Computer Engineering, ISSN: 1582-7445 | 13 (3) | 8 |
| 14 | Smochina Cristian, Manta Vasile, Kropatsch Walter | Crypts detection in microscopic images using hierarchical structures | Pattern Recognition Letters, ISSN: 0167-8655 | 34 (83) | 934-941 |
| 15 | Rotariu Cristian, Manta Vasile, Ciobotariu Razvan | Integrated System Based on Wireless Sensors Network for Cardiac Arrhythmia Monitoring | Advances in Electrical and Computer Engineering, ISSN: 1582-7445 | 13 (1) | 95-100 |
| 16 | Daniela Cailean, Carmen Teodosiu, Florina Ungureanu | ENGINEERING CHALLENGES IN ADVANCED WASTEWATER TREATMENT | Environmental Engineering and Management Journal | 12 (8) | 1541-1551 |
| 17 | Daniel Mareci, Daniel Sutiman, Romeo Chelariu, Florin Leon, Silvia Curteanu | Evaluation of the corrosion resistance of new TiZr binary alloys by experiment and simulation based on regression model with incomplete data | Corrosion Science, Elsevier, ISSN 0010-938X | 73 | 106-122 |
| 18 | Cristina Butnariu, Catalin Lisa, Florin Leon, Silvia Curteanu | Prediction of liquid – crystalline property using support vector machine classification | Journal of Chemometrics, ISSN: 0886-9383 | 27 (7-8) | 179-188 |
| 19 | H.N.Teodorescu, L.D. Dascalescu, Mircea Hulea, M.C. Plopeanu | Correlations between the electric charging properties and the optically determined structure of non-woven fabrics | Journal of Electrostatics, 0304-3886 | 71 | 635 - 647 |