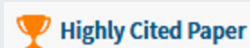


ISI Papers in highlight

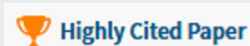
Web of Science - Clarivate Analytics Highly Cited Papers

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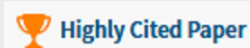
Precup, R.E., Hellendoorn, H. A survey on industrial applications of fuzzy control, *COMPUTERS IN INDUSTRY*, Volume: 62, Issue: 3, Pages: 213-226, ISSN: 0166-3615, eISSN: 1872-6194, 2011;
Times Cited in Web of Science Core Collection: 222



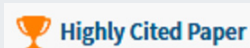
Marinca, V., Herisanu, N. Application of Optimal Homotopy Asymptotic Method for solving nonlinear equations arising in heat transfer, *INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER*, Volume: 35, Issue: 6, Pages: 710-715, ISSN: 0735-1933, 2008;
Times Cited in Web of Science Core Collection: 173



Marinca, V., Herisanu, N., Bota, C., Marinca, B. An optimal homotopy asymptotic method applied to the steady flow of a fourth-grade fluid past a porous plate, *APPLIED MATHEMATICS LETTERS*, Volume: 22, Issue: 2, Pages: 245-251, ISSN: 0893-9659, 2009;
Times Cited in Web of Science Core Collection: 140



Cadariu, L., Radu, V. Fixed point methods for the generalized stability of functional equations in a single variable, *FIXED POINT THEORY AND APPLICATIONS*, Article Number: 749392, ISSN: 1687-1820, 2008;
Times Cited in Web of Science Core Collection: 113



Sarbu, I., Sebarchievici, C. General review of ground-source heat pump systems for heating and cooling of buildings, *ENERGY AND BUILDINGS*, Volume: 70, Pages: 441-454, ISSN: 0378-7788, eISSN: 1872-6178, 2014;
Times Cited in Web of Science Core Collection: 111



Gheju, M., Balcu, I. Removal of chromium from Cr(VI) polluted wastewaters by reduction with scrap iron and subsequent precipitation of resulted cations, *JOURNAL OF HAZARDOUS MATERIALS*, Volume: 196, Pages: 131-138, PubMed ID: 21955659, ISSN: 0304-3894, 2011.
Times Cited in Web of Science Core Collection: 103

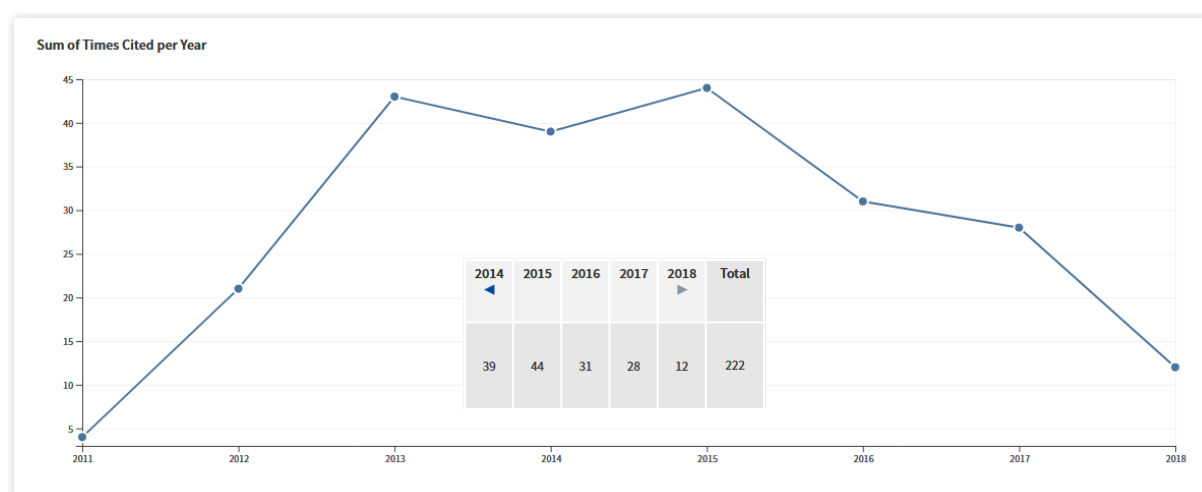


Highly Cited Papers received enough citations as of January/December 2017 to place them in the top 1% of their academic fields based on a highly cited threshold for the field and publication year.

*The data was obtained from Web of Science - Clarivate Analytics in 18 May 2018

Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2017, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Computer Science** based on a highly cited threshold for the field and publication year.



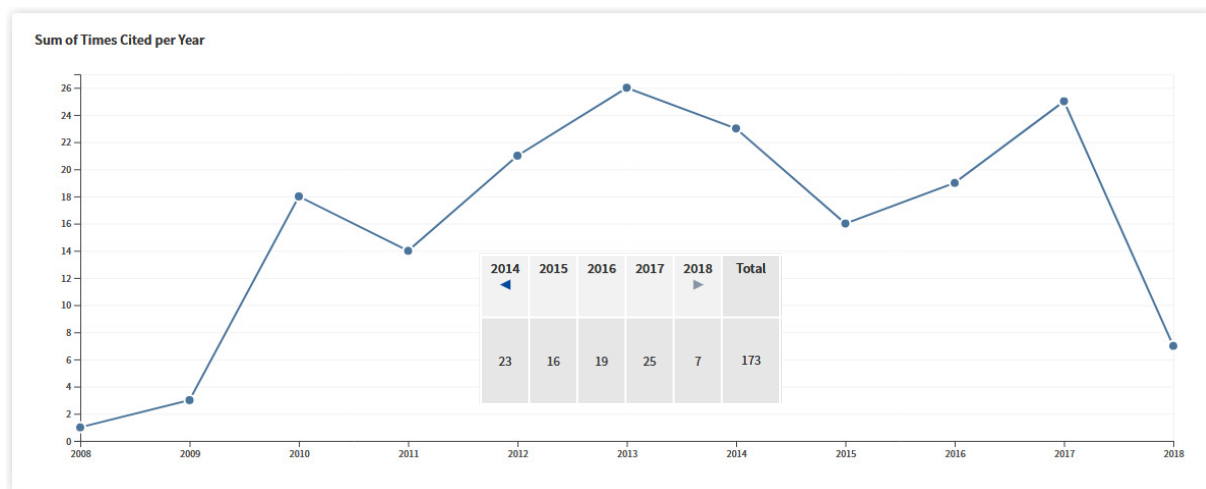
Precup, R.E., Hellendoorn, H. A survey on industrial applications of fuzzy control, *COMPUTERS IN INDUSTRY*, Volume: 62, Issue: 3, Pages: 213-226, ISSN: 0166-3615, eISSN: 1872-6194, 2011;
Times Cited in Web of Science Core Collection: 222

Abstract: Fuzzy control has long been applied to industry with several important theoretical results and successful results. Originally introduced as model-free control design approach, model-based fuzzy control has gained widespread significance in the past decade.

This paper presents a survey on recent developments of analysis and design of fuzzy control systems focused on industrial applications reported after 2000.

Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2017, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Engineering** based on a highly cited threshold for the field and publication year.



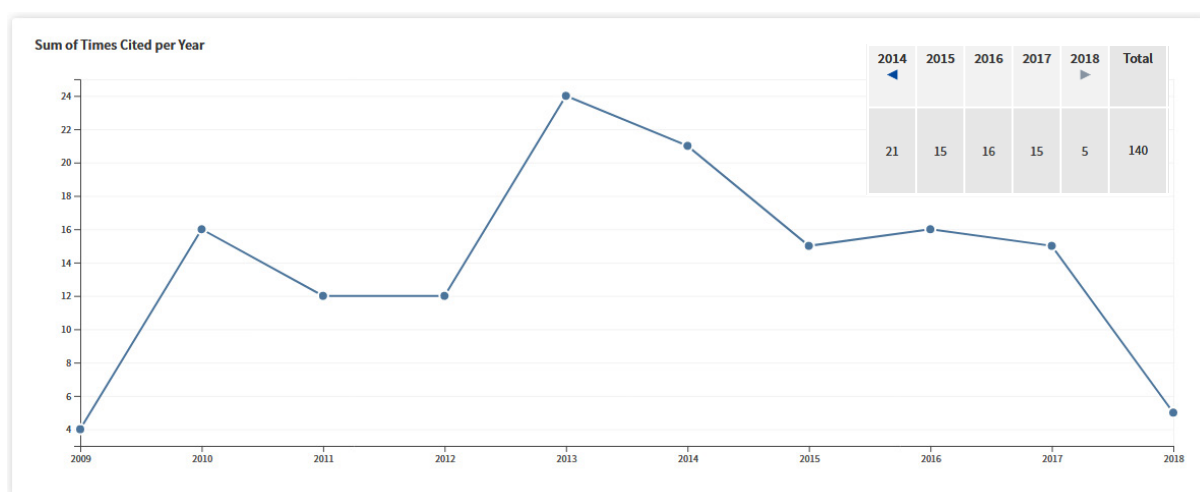
Marinca, V., Herisanu, N. Application of Optimal Homotopy Asymptotic Method for solving nonlinear equations arising in heat transfer, INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, Volume: 35, Issue: 6, Pages: 710-715, ISSN: 0735-1933, 2008;
Times Cited in Web of Science Core Collection: 173

Abstract: We consider one of the newest analytical methods, the Optimal Homotopy Asymptotic Method (OHAM), to solve nonlinear equations arising in heat transfer. Two specific applications are considered: cooling of a lumped system with variable specific heat and the temperature distribution equation in a thick rectangular fin radiation to free space. Results obtained by OHAM, which does not need small

parameters are compared with numerical results and a very good agreement was found. This method provides us with a convenient way to control the convergence of approximation series and adjust convergence regions when necessary. The results reveal that the proposed method is explicit, effective and easy to use.

Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2017, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Mathematics** based on a highly cited threshold for the field and publication year.



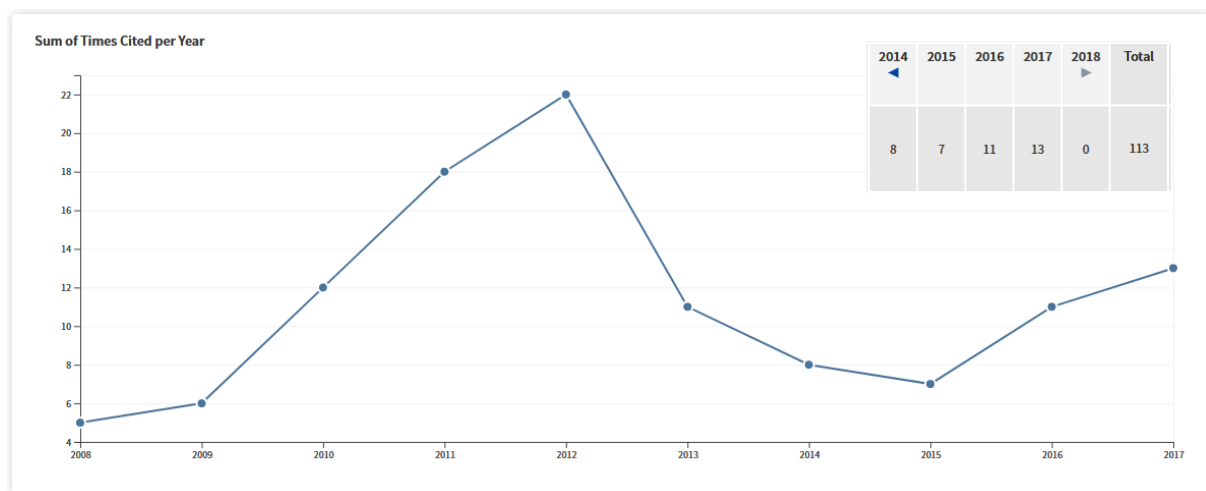
Marinca, V., Herisanu, N., Bota, C., Marinca, B. An optimal homotopy asymptotic method applied to the steady flow of a fourth-grade fluid past a porous plate, *APPLIED MATHEMATICS LETTERS*, Volume: 22, Issue: 2, Pages: 245-251, ISSN: 0893-9659, 2009;
Times Cited in Web of Science Core Collection: 140

Abstract: A new analytic approximate technique for addressing non-linear problems, namely the Optimal Homotopy Asymptotic Method (OHAM), is proposed and used in an application to the steady flow of a fourth-grade fluid. This approach does not depend upon any small/large parameters. This method provides us with a convenient way to

control the convergence of approximation series and adjust convergence regions when necessary. The series solution is developed and the recurrence relations are given explicitly. The results reveal that the proposed method is effective and easy to use.

Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2017, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Mathematics** based on a highly cited threshold for the field and publication year.



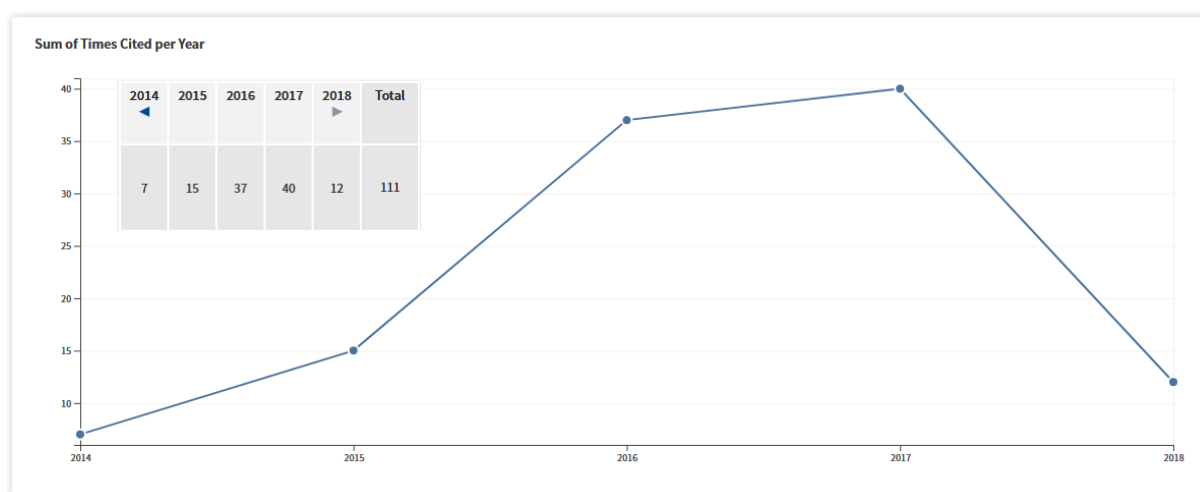
Cadariu, L., Radu, V. Fixed point methods for the generalized stability of functional equations in a single variable, *FIXED POINT THEORY AND APPLICATIONS*, Article Number: 749392, ISSN: 1687-1820, 2008;
Times Cited in Web of Science Core Collection: 113

Abstract: We discuss on the generalized Ulam-Hyers stability for functional equations in a single variable, including the nonlinear functional equations, the linear functional equations, and a generalization of functional equation for the square root spiral. The stability results

have been obtained by a fixed point method. This method introduces a metrical context and shows that the stability is related to some fixed point of a suitable operator.

Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2017, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Engineering** based on a highly cited threshold for the field and publication year.



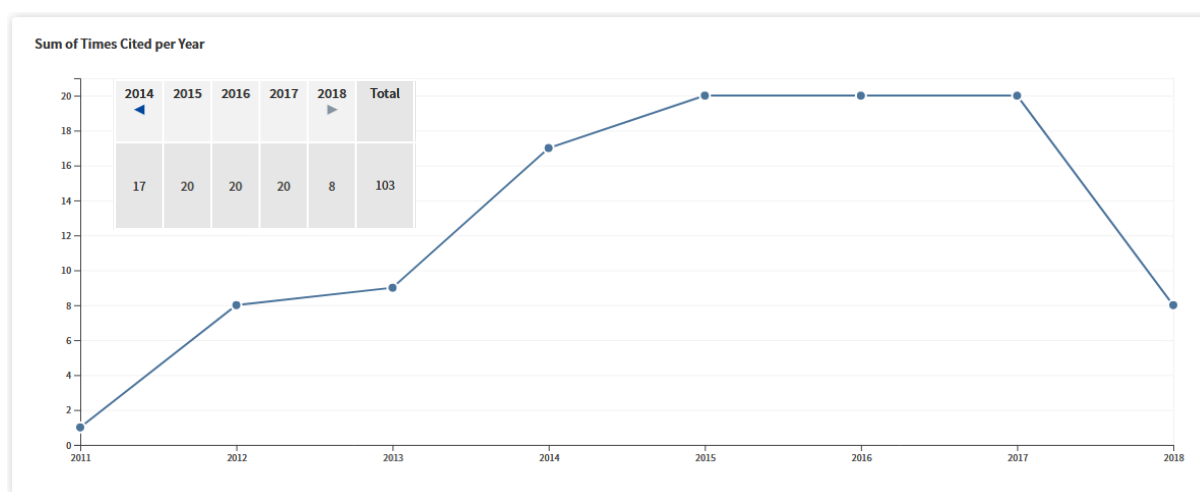
Sarbu, I., Sebarchievici, C. General review of ground-source heat pump systems for heating and cooling of buildings, *ENERGY AND BUILDINGS*, Volume: 70, Pages: 441-454, ISSN: 0378-7788, eISSN: 1872-6178, 2014; Times Cited in Web of Science Core Collection: 111

Abstract: A large number of ground-source heat pumps (GSHP) systems have been used in residential and commercial buildings throughout the world due to the attractive advantages of high energy and environmental performances. The GSHPs are proven renewable energy technology for space heating and cooling. This paper provides a detailed literature review of the GSHP systems, and their recent advances. The operation principle and energy efficiency of a heat pump are defined first. Then, a general introduction on the GSHPs and its development, and a detailed description of the surface water (SWHP), ground-water (GWHP), and ground-couplet (GCHP) heat pumps are performed. The most typical simulation and ground thermal response

test models for the vertical ground heat exchangers currently available are summarized including the heat transfer processes outside and inside the boreholes. Also, some information about a new GWHP using a heat exchanger with special construction, and the possibility to obtain the better energy efficiency with combined heating and cooling by GCHP are presented. The various hybrid GCHP systems for cooling or heating-dominated buildings are well described. Finally, the energy, economic and environmental performance of a closed-loop GCHP system is also briefly reviewed. It is found that the GSHP technology can be used both in cold and hot weather areas and the energy saving potential is significant.

Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2017, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Engineering** based on a highly cited threshold for the field and publication year.



Gheju, M., Balcu, I. Removal of chromium from Cr(VI) polluted wastewaters by reduction with scrap iron and subsequent precipitation of resulted cations, JOURNAL OF HAZARDOUS MATERIALS, Volume: 196, Pages: 131-138, PubMed ID: 21955659, ISSN: 0304-3894, 2011;
Times Cited in Web of Science Core Collection: 103

Abstract: This work presents investigations on the total removal of chromium from Cr(VI) aqueous solutions by reduction with scrap iron and subsequent precipitation of the resulted cations with NaOH. The process was detrimentally affected by a compactly passivation film occurred at scrap iron surface, mainly composed of Cr(III) and Fe(III). Maximum removal efficiency of the Cr(total) and Fe(total) achieved in the clarifier under circumneutral and alkaline (pH 9.1) conditions was 98.5% and 100%, respectively. The optimum precipitation pH range which resulted from this study is 7.6-8.0. Fe(total) and Cr(total) were

almost entirely removed in the clarifier as Fe(III) and Cr(III) species: however, after Cr(VI) breakthrough in column effluent, chromium was partially removed in the clarifier also as Cr(VI), by coprecipitation with cationic species. As long the column effluent was free of Cr(VI), the average Cr(total) removal efficiency of the packed column and clarifier was 10.8% and 78.8%, respectively. Our results clearly indicated that Cr(VI) contaminated wastewater can be successfully treated by combining reduction with scrap iron and chemical precipitation with NaOH.

No.	Article	2016 Impact Factor / Quartile in Category
1.	Abdullah, A.D., Popescu, I., Dastgheib, A., van der Zaag, P., Masih, I., Karim, U.F.A. Analysis of Possible Actions to Manage the Longitudinal Changes of Water Salinity in a Tidal River, WATER RESOURCES MANAGEMENT, Volume: 31, Issue: 7, Pages: 2157-2171, ISSN: 0920-4741, eISSN: 1573-1650, 2017;	2.848 / Q1
2.	Ancuti, C.O., Ancuti, C., De Vleeschouwer, C., Bovik, A.C. Single-Scale Fusion: An Effective Approach to Merging Images, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 26, Issue: 1, Pages: 65-78, PubMed ID: 27810821, ISSN: 1057-7149, eISSN: 1941-0042, 2017;	4.828 / Q1
3.	Baciu, A., Manea, F., Pop, A., Pode, R., Schoonman, L. Simultaneous voltammetric detection of ammonium and nitrite from groundwater at silver-electrodecorated carbon nanotube electrode, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, Volume: 108, Special Issue: SI, Pages: 18-25, ISSN: 0957-5820, eISSN: 1744-3598, 2017;	2.905 / Q1
4.	Baloi, M.A., Crucean, C. Fermion production by a dependent of time electric field in de Sitter universe, INTERNATIONAL JOURNAL OF MODERN PHYSICS A, Volume: 32, Issue: 36, Special Issue: SI, Article Number: 1750208, ISSN: 0217-751X, eISSN: 1793-656X, 2017	1.597 / Q2
5.	Banica, R., Ursu, D., Nyari, T., Kellenberger, A. Two step polyol-solvothermal growth of thick silver nanowires, MATERIALS LETTERS, Volume: 194, Pages: 181-184, ISSN: 0167-577X, eISSN: 1873-4979, 2017;	2.572 / Q2
6.	Beiu, R.M., Beiu, V., Duma, V.F. Fiber optic mechanical deformation sensors employing perpendicular photonic crystals, OPTICS EXPRESS, Volume: 25, Issue: 19, Pages: 23388-23398, PubMed ID: 29041640, ISSN: 1094-4087, 2017;	3.307 / Q1
7.	Belega, D., Petri, D. Effect of noise and harmonics on sine-wave frequency estimation by interpolated DFT algorithms based on few observed cycles, SIGNAL PROCESSING, Volume: 140, Pages: 207-218, ISSN: 0165-1684, eISSN: 1879-2677, 2017;	3.11 / Q1
8.	Bento, A.J.G., Lupa, N., Megan, M., Silva, C.M. INTEGRAL CONDITIONS FOR NONUNIFORM μ -DICHOTOMY ON THE HALF-LINE, DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B, Volume: 22, Issue: 8, Special Issue: SI, Pages: 3063-3077, ISSN: 1531-3492, eISSN: 1553-524X, 2017;	0.994 / Q2
9.	Bera, S., Sarac, B., Balakin, S., Ramasamy, P., Stoica, M., Calin, M., Eckert, J. Micro-patterning by thermoplastic forming of Ni-free Ti-based bulk metallic glasses, MATERIALS & DESIGN, Volume: 120, Pages: 204-211, ISSN: 0264-1275, eISSN: 1873-4197, 2017;	4.364 / Q1
10.	Biliuta, G., Sacarescu, L., Socoliuc, V., Iacob, M., Gheorghe, L., Negru, D., Coseri, S. Carboxylated Polysaccharides Decorated with Ultrasmall Magnetic Nanoparticles with Antibacterial and MRI Properties, MACROMOLECULAR CHEMISTRY AND PHYSICS, Volume: 218, Issue: 10, Article Number: 1700062, ISSN: 1022-1352, eISSN: 1521-3935, 2017;	2.5 / Q2
11.	Binzar, T., Lazureanu, C. On the Wold-Type Decompositions for n-Tuples of Commuting Isometric Semigroups, FILOMAT, Volume: 31, Issue: 5, Pages: 1251-1264, ISSN: 0354-5180, 2017;	0.695 / Q2
12.	Bistrrian, D.A., Navon, I.M. The method of dynamic mode decomposition in shallow water and a swirling flow problem, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, Volume: 83, Issue: 1, Pages: 73-89, ISSN: 0271-2091, eISSN: 1097-0363, 2017;	1.652 / Q2
13.	Bistrrian, D.A., Navon, I.M. Randomized dynamic mode decomposition for nonintrusive reduced order modelling, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, Volume: 112, Issue: 1, Pages: 3-25, ISSN: 0029-5981, eISSN: 1097-0207, 2017;	2.162 / Q1

No.	Article	2016 Impact Factor / Quartile in Category
14.	Bota, C., Caruntu, B., Lazureanu, C. THE LEAST SQUARE HOMOTOPY PERTURBATION METHOD FOR BOUNDARY VALUE PROBLEMS, APPLIED AND COMPUTATIONAL MATHEMATICS, Volume: 16, Issue: 1, Pages: 39-47, ISSN: 1683-3511, eISSN: 1683-6154, 2017;	1.333 / Q2
15.	Bota, C., Caruntu, B. Analytical approximate solutions for quadratic Riccati differential equation of fractional order using the Polynomial Least Squares Method, CHAOS SOLITONS & FRACTALS, Volume: 102, Pages: 339-345, ISSN: 0960-0779, eISSN: 1873-2887, 2017;	1.455 / Q2
16.	Bota, C., Caruntu, B. ANALYTIC APPROXIMATE SOLUTIONS FOR A CLASS OF VARIABLE ORDER FRACTIONAL DIFFERENTIAL EQUATIONS USING THE POLYNOMIAL LEAST SQUARES METHOD, FRACTIONAL CALCULUS AND APPLIED ANALYSIS, Volume: 20, Issue: 4, Pages: 1043-1050, ISSN: 1311-0454, eISSN: 1314-2224, 2017;	2.034 / Q1
17.	Bota, C., Caruntu, B. Approximate analytical solutions of nonlinear differential equations using the Least Squares Homotopy Perturbation Method, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, Volume: 448, Issue: 1, Pages: 401-408, ISSN: 0022-247X, eISSN: 1096-0813, 2017;	1.064 / Q1
18.	Bota, C. The approximation of solutions for second order nonlinear oscillators using the polynomial least square method, JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, Volume: 10, Issue: 1, Pages: 234-242, ISSN: 2008-1898, eISSN: 2008-1901, 2017;	1.34 / Q1
19.	Casu, I., Lazureanu, C. Stability and Integrability Aspects for the Maxwell - Bloch Equations with the Rotating Wave Approximation, REGULAR & CHAOTIC DYNAMICS, Volume: 22, Issue: 2, Pages: 109-121, ISSN: 1560-3547, eISSN: 1468-4845, 2017;	1.562 / Q1
20.	Cebucean, D., Cebucean, V., Ionel, I., Spliethoff, H. Performance of two iron-based syngas-fueled chemical looping systems for hydrogen and/or electricity generation combined with carbon capture, CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Volume: 19, Issue: 2, Pages: 451-470, ISSN: 1618-954X, eISSN: 1618-9558, 2017;	3.331 / Q2
21.	Cioabla, A.E., Pop, N., Trif-Tordai, G., Calinoiu, D.G. Comparative analysis of agricultural materials influenced by anaerobic fermentation for biogas production in terms of ash melting behavior, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 127, Issue: 1, Pages: 515-523, ISSN: 1388-6150, eISSN: 1588-2926, 2017;	1.953 / Q2
22.	Cioca, L.I., Ivascu, L. Risk Indicators and Road Accident Analysis for the Period 2012-2016, SUSTAINABILITY, Volume: 9, Issue: 9, Article Number: 1530, ISSN: 2071-1050, 2017;	1.789 / Q2
23.	Cioca, M., Ivascu, L., Cioca, L.I. SAFETY PERFORMANCE INDICATORS IN THE METALLURGICAL INDUSTRY USING WEB PROGRAMMING, METALURGIJA, Volume: 56, Issue: 1-2, Pages: 272-274, ISSN: 0543-5846, eISSN: 1334-2576, 2017;	0.959 / Q2
24.	Coricovac, D.E., Moaca, E.A., Pinzaru, I., Citu, C., Soica, C., Mihali, C.V., Pacurariu, C., Tutelyan, V.A., Tsatsakis, A., Dehelean, C.A. Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile, FRONTIERS IN PHARMACOLOGY Volume: 8 Article Number: UNSP 154, PubMed ID: 28400730, ISSN: 1663-9812, 2017;	4.4 / Q1
25.	Cornea, O., Andreescu, G.D., Muntean, N., Hulea, D. Bidirectional Power Flow Control in a DC Microgrid Through a Switched-Capacitor Cell Hybrid DC-DC Converter, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 64, Issue: 4, Pages: 3012-3022, ISSN: 0278-0046, eISSN: 1557-9948, 2017;	7.168 / Q1
26.	Craciunescu, I., Petran, A., Liebscher, J., Vekas, L., Turcu, R. Synthesis and characterization of size-controlled magnetic clusters functionalized with polymer layer for wastewater depollution, MATERIALS CHEMISTRY AND PHYSICS, Volume: 185, Pages: 91-97, ISSN: 0254-0584, eISSN: 1879-3312, 2017;	2.084 / Q2

No.	Article	2016 Impact Factor / Quartile in Category
27.	Dinu, F., Marginean, I., Dubina, D. Experimental testing and numerical modelling of steel moment-frame connections under column loss, <i>ENGINEERING STRUCTURES</i> , Volume: 151, Pages: 861-878, ISSN: 0141-0296, eISSN: 1873-7323, 2017;	2.258 / Q1
28.	Dogariu, A.I., Dubina, D. STRENGTHENING OF MASONRY SHEAR WALLS BASED ON METAL SOLUTIONS. PART II: FE-MODEL FOR THE PERFORMANCE EVALUATION, <i>PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE</i> , Volume: 18, Issue: 2, Pages: 158-165, ISSN: 1454-9069, 2017;	1.623 / Q2
29.	Dogariu, A.I., Dubina, D. STRENGTHENING OF MASONRY SHEAR WALLS BASED ON METAL SOLUTIONS. PART I: EXPERIMENTAL INVESTIGATION, <i>PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE</i> , Volume: 18, Issue: 1, Pages: 81-88, ISSN: 1454-9069, 2017;	1.623 / Q2
30.	Duma, V.F. POLYGONAL MIRROR LASER SCANNING HEADS: CHARACTERISTIC FUNCTIONS, <i>PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE</i> , Volume: 18, Issue: 1, Pages: 25-33, ISSN: 1454-9069, 2017;	1.623 / Q2
31.	Dumitru, R., Manea, F., Lupa, L., Pacurariu, C., Ianculescu, A., Baciu, A., Negrea, S. Synthesis, characterization of nanosized CoAl ₂ O ₄ and its electrocatalytic activity for enhanced sensing application, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> , Volume: 128, Issue: 3, Pages: 1305-1312, ISSN: 1388-6150, eISSN: 1588-2926, 2017;	1.953 / Q2
32.	Elfimova, E.A., Ivanov, A.O., Popescu, L.B., Socoliuc, V. Transverse magneto-optical anisotropy in bidisperse ferrofluids with long range particle correlations, <i>JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS</i> , Volume: 431, Pages: 54-58, ISSN: 0304-8853, eISSN: 1873-4766, 2017;	2.63 / Q2
33.	Fagadar-Cosma, E., Badea, V., Fagadar-Cosma, G., Palade, A., Lascu, A., Fringu, I., Birdeanu, M. Trace Oxygen Sensitive Material Based on Two Porphyrin Derivatives in a Heterodimeric Complex, <i>MOLECULES</i> , Volume: 22, Issue: 10, Article Number: 1787, ISSN: 1420-3049, 2017;	2.861 / Q2
34.	Feniser, C., Burz, G., Mocan, M., Ivascu, L., Gherhes, V., Otel, C.C. The Evaluation and Application of the TRIZ Method for Increasing Eco-Innovative Levels in SMEs, <i>SUSTAINABILITY</i> , Volume: 9, Issue: 7, Article Number: 1125, ISSN: 2071-1050, 2017;	1.789 / Q2
35.	Filip, I., Szeidert, I. Tuning the control penalty factor of a minimum variance adaptive controller, <i>EUROPEAN JOURNAL OF CONTROL</i> , Volume: 37, Pages: 16-26, ISSN: 0947-3580, eISSN: 1435-5671, 2017;	1.944 / Q2
36.	Filip-Vacarescu, N., Vulcu, C., Dubina, D. NUMERICAL STUDY OF A HYBRID DAMPING SYSTEM COMPOSED OF A BUCKLING RESTRAINED BRACE WITH A MAGNETO RHEOLOGICAL DAMPER, <i>PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE</i> , Volume: 18, Issue: 3, Pages: 273-280, ISSN: 1454-9069, 2017;	1.623 / Q2
37.	Filippov, S.N., Magadov, K.Y., Jivulescu, M.A. Absolutely separating quantum maps and channels, <i>NEW JOURNAL OF PHYSICS</i> , Volume: 19, Article Number: 083010, ISSN: 1367-2630, 2017;	3.786 / Q1
38.	Foroughi, A., Ashuri, H., Tavakoli, R., Stoica, M., Sopa, D., Eckert, J. Structural modification through pressurized sub-T-g annealing of metallic glasses, <i>JOURNAL OF APPLIED PHYSICS</i> , Volume: 122, Issue: 21, Article Number: 215106, ISSN: 0021-8979, eISSN: 1089-7550, 2017;	2.068 / Q2
39.	Frandes, M., Deiac, A.V., Timar, B., Lungeanu, D. Instrument for assessing mobile technology acceptability in diabetes self-management: a validation and reliability study, <i>PATIENT PREFERENCE AND ADHERENCE</i> , Volume: 11, Pages: 259-269, PubMed ID: 28243069, ISSN: 1177-889X, 2017;	1.798 / Q2

No.	Article	2016 Impact Factor / Quartile in Category
40.	Gabor, A., Davidescu, C.M., Negrea, A., Ciopec, M., Grozav, I., Negrea, P., Duteanu, N. Optimizing the lanthanum adsorption process onto chemically modified biomaterials using factorial and response surface design, JOURNAL OF ENVIRONMENTAL MANAGEMENT, Volume: 204, Special Issue: SI, Pages: 839-844, PubMed ID: 28148453, ISSN: 0301-4797, eISSN: 1095-8630, 2017;	4.01 / Q1
41.	Gabor, A., Davidescu, C.M., Negrea, A., Ciopec, M., Muntean, C., Negrea, P., Ianasi, C., Butnariu, M. Magnesium silicate doped with environmentally friendly extractants used for rare earth elements adsorption, DESALINATION AND WATER TREATMENT, Volume: 63, Pages: 124-134, ISSN: 1944-3994, eISSN: 1944-3986, 2017;	1.631 / Q2
42.	Gheju, M., Balcu, I. Assisted green remediation of chromium pollution, JOURNAL OF ENVIRONMENTAL MANAGEMENT, Volume: 203, Special Issue: SI, Pages: 920-924, Part: 3, PubMed ID: 28479231, ISSN: 0301-4797, eISSN: 1095-8630, 2017;	4.01 / Q1
43.	Gheju, M., Balcu, I., Enache, A., Flueraș, A. A kinetic approach on hexavalent chromium removal with metallic iron, JOURNAL OF ENVIRONMENTAL MANAGEMENT, Volume: 203, Special Issue: SI, Pages: 937-941, Part: 3, PubMed ID: 28318824, ISSN: 0301-4797, eISSN: 1095-8630, 2017;	4.01 / Q1
44.	Grigorie, A.C., Muntean, C., Vlase, T., Locovei, C., Stefanescu, M. ZnO-SiO ₂ based nanocomposites prepared by a modified sol-gel method, MATERIALS CHEMISTRY AND PHYSICS, Volume: 186, Pages: 399-406, ISSN: 0254-0584, eISSN: 1879-3312, 2017;	2.084 / Q2
45.	Hadaruga, D.I., Birau, C.L., Gruia, A.T., Paunescu, V., Bandur, G.N., Hadaruga, N.G. Moisture evaluation of beta-cyclodextrin/fish oils complexes by thermal analyses: A data review on common barbel (<i>Barbus barbus</i> L.), Pontic shad (<i>Alosa immaculata</i> Bennett), European wels catfish (<i>Silurus glanis</i> L.), and common bleak (<i>Alburnus alburnus</i> L.) living in Danube river, FOOD CHEMISTRY, Volume: 236, Pages: 49-58, PubMed ID: 28624089, ISSN: 0308-8146, eISSN: 1873-7072, 2017;	4.529 / Q1
46.	Herban, I.S., Vilceanu, C.B., Grecea, C. Road-Structure Monitoring with Modern Geodetic Technologies, JOURNAL OF SURVEYING ENGINEERING, Volume: 143, Issue: 4, Article Number: 05017004, ISSN: 0733-9453, eISSN: 1943-5428, 2017;	1.667 / Q2
47.	Ianos, R., Babuta, R., Pacurariu, C., Lazau, R., Istratie, R., Butaciu, C. Combustion synthesis of ZnAl ₂ O ₄ powders with tuned surface area, CERAMICS INTERNATIONAL, Volume: 43, Issue: 12, Pages: 8975-8981, ISSN: 0272-8842, eISSN: 1873-3956, 2017;	2.986 / Q1
48.	Ianos, R., Muntean, E., Pacurariu, C., Lazau, R., Bendas, C., Delinescu, G. Combustion synthesis of a blue Co-doped zinc aluminate near-infrared reflective pigment, DYES AND PIGMENTS, Volume: 142, Pages: 24-31, ISSN: 0143-7208, eISSN: 1873-3743, 2017;	3.473 / Q1
49.	Ianos, R., Muntean, E., Babuta, R., Lazau, R., Pacurariu, C., Bendas, C. Combustion synthesis of pink chromium-doped alumina with excellent near-infrared reflective properties, CERAMICS INTERNATIONAL, Volume: 43, Issue: 2, Pages: 2568-2572, ISSN: 0272-8842, eISSN: 1873-3956, 2017;	2.986 / Q1
50.	Iliă, R., Liatsou, I., Savva, I., Vasile, E., Vekas, L., Marinica, O., Mpekris, F., Pashalidis, I., Krasia-Christoforou, T. Magneto-responsive polymer networks as adsorbents for the removal of U (VI) ions from aqueous media, EUROPEAN POLYMER JOURNAL, Volume: 97, Pages: 138-146, ISSN: 0014-3057, eISSN: 1873-1945, 2017;	3.531 / Q1
51.	Ionescu, D., Kovaci, M. IMPROVING THE DATA STORAGE PERFORMANCES WITH LAYERED NANOWIRES FOR SYNTHETIC ANTIFERROMAGNETIC RACETRACK MEMORIES, ROMANIAN REPORTS IN PHYSICS, Volume: 69, Issue: 1, Article Number: 501, ISSN: 1221-1451, eISSN: 1841-8759, 2017;	1.467 / Q2

No.	Article	2016 Impact Factor / Quartile in Category
52.	Istratie, R., Babuta, R., Popa, A., Pacurariu, C., Stoia, M. Enhanced Adsorption of p-Nitrophenol from Aqueous Solutions Using a Functionalized Styrene-Divinylbenzene Copolymer, WATER AIR AND SOIL POLLUTION, Volume: 228, Issue: 8, Article Number: 276, ISSN: 0049-6979, eISSN: 1573-2932, 2017;	1.702 / Q2
53.	Jivulescu, M.A., Nechita, I., Gavruta, P. On symmetric decompositions of positive operators, JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 50 Issue: 16 Article Number: 165303, ISSN: 1751-8113, eISSN: 1751-8121, 2017;	1.865 / Q1
54.	Lascu, C., Jafarzadeh, S., Fadali, M.S., Blaabjerg, F. Direct Torque Control With Feedback Linearization for Induction Motor Drives, IEEE TRANSACTIONS ON POWER ELECTRONICS, Volume: 32, Issue: 3, Pages: 2072-2080, ISSN: 0885-8993, eISSN: 1941-0107, 2017;	7.151 / Q1
55.	Lazureanu, C. The Real-Valued Maxwell-Bloch Equations with Controls: From a Hamilton-Poisson System to a Chaotic One, INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, Volume: 27, Issue: 9, Article Number: 1750143, ISSN: 0218-1274, eISSN: 1793-6551, 2017;	1.329 / Q2
56.	Linul, E., Serban, D.A., Marsavina, L., Kovacik, J. Low-cycle fatigue behaviour of ductile closed-cell aluminium alloy foam, FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES, Volume: 40, Issue: 4, Pages: 597-604, ISSN: 8756-758X, eISSN: 1460-2695, 2017;	2.335 / Q1
57.	Linul, E., Movahedi, N., Marsavina, L. The temperature effect on the axial quasi-static compressive behavior of ex-situ aluminum foam-filled tubes, COMPOSITE STRUCTURES, Volume: 180, Pages: 709-722, ISSN: 0263-8223, eISSN: 1879-1085, 2017;	3.858 / Q1
58.	Linul, E., Marsavina, L., Kovacik, J., Sadowski, T. DYNAMIC AND QUASI-STATIC COMPRESSION TESTS OF CLOSED-CELL ALUMINIUM ALLOY FOAMS, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 4, Pages: 361-369, ISSN: 1454-9069, 2017;	1.623 / Q2
59.	Linul, E., Serban, D.A., Marsavina, L., Sadowski, T. Assessment of collapse diagrams of rigid polyurethane foams under dynamic loading conditions, ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, Volume: 17, Issue: 3, Pages: 457-466, ISSN: 1644-9665, eISSN: 2083-3318, 2017;	2.216 / Q1
60.	Linul, E., Marsavina, L., Kovacik, J. Collapse mechanisms of metal foam matrix composites under static and dynamic loading conditions, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, Volume: 690, Pages: 214-224, ISSN: 0921-5093, eISSN: 1873-4936, 2017;	3.094 / Q1
61.	Lovasz, E.C., Margineanu, D.T., Ciupe, V., Maniu, I., Gruescu, C.M., Zabava, E.S., Stan, S.D. Design and control solutions for haptic elbow exoskeleton module used in space telerobotics, MECHANISM AND MACHINE THEORY, Volume: 107, Pages: 384-398, ISSN: 0094-114X, 2017;	2.577 / Q1
62.	Lupa, L., Popa, A., Dragan, E.S., Ciopec, M., Negrea, A., Negrea, P. Adsorption performance of the organic solid support impregnated with ionic liquid in the removal process of T1(1) from aqueous solutions, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, Volume: 108, Special Issue: SI, Pages: 67-73, ISSN: 0957-5820, eISSN: 1744-3598, 2017;	2.905 / Q1
63.	Madescu, G., Biriescu, M., Tutelea, L.N., Mot, M., Svoboda, M., Boldea, I. Experimental Investigation of Rotor Currents Distribution in the Healthy and Faulty Cage of Induction Motors at Standstill, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 64, Issue: 7, Pages: 5305-5313, ISSN: 0278-0046, eISSN: 1557-9948, 2017;	7.168 / Q1
64.	Maierean, S.M., Serban, M.C., Sahebkar, A., Ursoniu, S., Serban, A., Penson, P., Banach, M. The effects of cinnamon supplementation on blood lipid concentrations: A systematic review and meta-analysis, JOURNAL OF CLINICAL LIPIDOLOGY, Volume: 11, Issue: 6, Pages: 1393-1406, PubMed ID: 28887086, ISSN: 1933-2874, eISSN: 1876-4789, 2017;	5.812 / Q1

No.	Article	2016 Impact Factor / Quartile in Category
65.	Marinca, B., Marinca, V. NEW EXACT AND EXPLICIT SOLUTIONS OF THE ZAKHAROV EQUATIONS AND GENERALIZED ZAKHAROV EQUATIONS BY THE QUOTIENT TRIGONOMETRIC FUNCTION EXPANSION METHOD, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 2, Pages: 166-173, ISSN: 1454-9069, 2017;	1.623 / Q2
66.	Marinica, O.M. Study of Static Magnetic Properties of Transformer Oil Based Magnetic Fluids for Various Technical Applications Using Demagnetizing Field Correction, JOURNAL OF NANOMATERIALS, Article Number: 5407679, ISSN: 1687-4110, eISSN: 1687-4129, 2017;	1.871 / Q2
67.	Marsavina, L., Berto, F., Negru, R., Serban, D.A., Linul, E. An engineering approach to predict mixed mode fracture of PUR foams based on ASED and micromechanical modelling, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 91, Special Issue: SI, Pages: 148-154, ISSN: 0167-8442, eISSN: 1872-7638, 2017;	2.659 / Q1
68.	Martian, V., Albetel, S., David, E., Nagi, M. Heat transfer and hydraulic performance models for a family of aluminum plate heat exchanger with transversal offset strip fins, EXPERIMENTAL HEAT TRANSFER, Volume: 30, Issue: 6, Pages: 530-543, ISSN: 0891-6152, eISSN: 1521-0480, 2017;	1.522 / Q2
69.	Mazilescu, C.A., Gangloff, B. Value Assigned to Employees Who Preserve the Social and Organizational Environment, SUSTAINABILITY, Volume: 9, Issue: 2, Article Number: 170, ISSN: 2071-1050, 2017;	1.789 / Q2
70.	Melita, N.T., Holban, S. dGAsellID: An R Package for Selecting a Variable Number of Features in High Dimensional Data, R JOURNAL, Volume: 9, Issue: 2, Pages: 18-34, ISSN: 2073-4859, 2017;	1.075 / Q2
71.	Micea, M.V., Stangaciu, C.S., Stangaciu, V., Curiac, D.I. Novel Hybrid Scheduling Technique for Sensor Nodes with Mixed Criticality Tasks, SENSORS, Volume: 17, Issue: 7, Article Number: 1504, ISSN: 1424-8220, 2017;	2.677 / Q1
72.	Mihaicuta, S., Udrescu, M., Topirceanu, A., Udrescu, L. Network science meets respiratory medicine for OSAS phenotyping and severity prediction, PEERJ, Volume: 5, Article Number: e3289, PubMed ID: 28503375, ISSN: 2167-8359, 2017;	2.177 / Q2
73.	Mnerie, C., Preitl, S., Duma, V.F. Galvanometer-Based Scanners: Mathematical Model and Alternative Control Structures for Improved Dynamics and Immunity to Disturbances, INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, Volume: 17, Issue: 5, Special Issue: SI, Article Number: 1740006, ISSN: 0219-4554, eISSN: 1793-6764, 2017;	1.617 / Q2
74.	Moisa, M.E., Spelmezan, C.G., Paul, C., Bartha-Vari, J.H., Bencz, L.C., Irimie, F.D., Paizs, C., Peter, F., Tosa, M.I. Tailored sol-gel immobilized lipase preparates for the enzymatic kinetic resolution of heteroaromatic alcohols in batch and continuous flow systems, RSC ADVANCES, Volume: 7, Issue: 83, Pages: 52977-52987, ISSN: 2046-2069, 2017;	3.108 / Q2
75.	Moro, A.J., Parola, A.J., Pina, F., Pana, A.M., Badea, V., Pausescu, I., Shova, S., Cseh, L. 2,2'-Spirobis[chromene] Derivatives Chemistry and Their Relation with the Multistate System of Anthocyanins, JOURNAL OF ORGANIC CHEMISTRY, Volume: 82, Issue: 10, Pages: 5301-5309, PubMed ID: 28441475, ISSN: 0022-3263, 2017;	4.849 / Q1
76.	Mosoarca, M., Keller, A.I., Petrus, C., Racolta, A. Failure analysis of historical buildings due to climate change, ENGINEERING FAILURE ANALYSIS, Volume: 82, Pages: 666-680, ISSN: 1350-6307, eISSN: 1873-1961, 2017;	1.676 / Q2
77.	Movahedi, N., Linul, E. Quasi-static compressive behavior of the ex-situ aluminum-alloy foam-filled tubes under elevated temperature conditions, MATERIALS LETTERS, Volume: 206, Pages: 182-184, ISSN: 0167-577X, eISSN: 1873-4979, 2017;	2.572 / Q2

No.	Article	2016 Impact Factor / Quartile in Category
78.	Nagy, Z., Gilia, L., Neagu, C. EXPERIMENTAL INVESTIGATIONS OF COLD-FORMED JOINTS FOR MULTI-STOREY STEEL FRAMED STRUCTURES, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 3, Pages: 256-264, ISSN: 1454-9069, 2017;	1.623 / Q2
79.	Nani, V.M. Complex phenomena study in dielectric fluid from gap during the W-EDM processing in ultrasonic field, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Volume: 92, Issue: 1-4, Pages: 197-215, ISSN: 0268-3768, eISSN: 1433-3015, 2017;	2.209 / Q2
80.	Nani, V.M. Effect of wire electrode's ultrasonic vibration on erosive capacity to W-EDM machine, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Volume: 88, Issue: 1-4, Pages: 425-441, ISSN: 0268-3768, eISSN: 1433-3015, 2017;	2.209 / Q2
81.	Nani, V.M. The ultrasound effect on technological parameters for increase in performances of W-EDM machines, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Volume: 88, Issue: 1-4, Pages: 519-528, ISSN: 0268-3768, eISSN: 1433-3015, 2017;	2.209 / Q2
82.	Nani, V.M. Ultrasound influence on the erosive capacity at the electrodischarge processing with ultrasonic activated wire electrode in a single point, MECCANICA, Volume: 52, Issue: 6, Pages: 1459-1474, ISSN: 0025-6455, eISSN: 1572-9648, 2017;	2.196 / Q2
83.	Nani, V.M., Cires, I. The vibrations' study to the burn gas exhaust fan from a thermoelectric power plant, APPLIED MATHEMATICAL MODELLING, Volume: 43, Pages: 454-463, ISSN: 0307-904X, eISSN: 1872-8480, 2017;	2.35 / Q1
84.	Nanu, S., Ionel, R., Dughir, C., Ionel, I. Automation of a prototype for cutting, sorting and bundling of SRC crops for planting purposes, MEASUREMENT, Volume: 95, Pages: 201-209, ISSN: 0263-2241, eISSN: 1873-412X, 2017;	2.359 / Q1
85.	Nicoara, M., Raduta, A., Locovei, C., Buzdugan, D., Stoica, M. About thermostability of biocompatible Ti-Zr-Ta-Si amorphous alloys, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 127, Issue: 1, Pages: 107-113, ISSN: 1388-6150, eISSN: 1588-2926, 2017;	1.953 / Q2
86.	Nicoara, M., Locovei, C., Opris, C., Ursu, D., Vasiu, R., Stoica, M. Optimizing the parameters for in situ fabrication of hybrid Al-Al ₂ O ₃ composites, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 127, Issue: 1, Pages: 115-122, ISSN: 1388-6150, eISSN: 1588-2926, 2017;	1.953 / Q2
87.	Niyonzima, S., Ilie, S., Pop, N., Mezei, J.Z., Chakrabarti, K., Morel, V., Peres, B., Little, D.A., Hassouni, K., Larson, A., Orel, A.E., Benredjem, D., Bultel, A., Tennyson, J., Reiter, D., Schneider, I.F. Low-energy collisions between electrons and BeH ⁺ : Cross sections and rate coefficients for all the vibrational states of the ion, ATOMIC DATA AND NUCLEAR DATA TABLES, Volume: 115, Pages: 287-308, ISSN: 0092-640X, eISSN: 1090-2090, 2017;	1.689 / Q2
88.	Oncioiu, I., Petrescu, A.G., Grecu, E., Petrescu, M. Optimizing the Renewable Energy Potential: Myth or Future Trend in Romania, ENERGIES, Volume: 10, Issue: 6, ISSN: 1996-1073, 2017;	2.262 / Q2
89.	Orha, C., Pode, R., Manea, F., Lazau, C., Bandas, C. Titanium dioxide-modified activated carbon for advanced drinking water treatment, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, Volume: 108, Special Issue: SI, Pages: 26-33, ISSN: 0957-5820, eISSN: 1744-3598, 2017;	2.905 / Q1
90.	Osaci, M., Cacciola, M. Study about the nanoparticle agglomeration in a magnetic nanofluid by the Langevin dynamics simulation model using an effective Verlet-type algorithm, MICROFLUIDICS AND NANOFUIDICS, Volume: 21, Issue: 2, Article Number: 19, ISSN: 1613-4982, eISSN: 1613-4990, 2017;	2.344 / Q2
91.	Pacurariu, C., Lazau, I., Lazau, R. Kinetic studies of the dehydroxylation and crystallization of raw kaolinite and fluorides-modified kaolinite, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 127, Issue: 1, Pages: 239-246, ISSN: 1388-6150, eISSN: 1588-2926, 2017;	1.953 / Q2

No.	Article	2016 Impact Factor / Quartile in Category
92.	Pater, F. SOME INEQUALITIES ON POWER BOUNDED OPERATORS ACTING ON LOCALLY CONVEX SPACES, JOURNAL OF MATHEMATICAL INEQUALITIES, Volume: 11, Issue: 2, Pages: 485-494, ISSN: 1846-579X, 2017;	0.777 / Q2
93.	Paulescu, M., Pop, N., Stefu, N., Paulescu, E., Boata, R., Calinoiu, D. SEASONAL MODELING OF HOURLY SOLAR IR-RADIATION SERIES, ROMANIAN JOURNAL OF PHYSICS, Volume: 62, Issue: 7-8, Article Number: 813, ISSN: 1221-146X, 2017;	1.758 / Q2
94.	Pop, A., Manea, F., Flueras, A., Schoonman, J. Simultaneous Voltammetric Detection of Carbaryl and Paraquat Pesticides on Graphene-Modified Boron-Doped Diamond Electrode, SENSORS, Volume: 17, Issue: 9, Article Number: 2033, ISSN: 1424-8220, 2017;	2.677 / Q1
95.	Popa, S., Iliescu, S., Iliu, G., Plesu, N., Popa, A., Visa, A., Macarie, L. Solid polymer electrolytes based on phosphorus containing polymers for lithium polymer batteries, EUROPEAN POLYMER JOURNAL, Volume: 94, Pages: 286-298, ISSN: 0014-3057, eISSN: 1873-1945, 2017;	3.531 / Q1
96.	Popov, D. ON SOME PROPERTIES OF THE K-COHERENT STATES, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 4, Pages: 323-330, ISSN: 1454-9069, 2017;	1.623 / Q2
97.	Pozna, C., Precup, R.E. On a translated frame-based approach to geometric modeling of robots, ROBOTICS AND AUTONOMOUS SYSTEMS, Volume: 91, Pages: 49-58, ISSN: 0921-8890, eISSN: 1872-793X, 2017;	1.95 / Q2
98.	Precup, R.E., Radac, M.B., Roman, R.C., Petriu, E.M. Model-free sliding mode control of nonlinear systems: Algorithms and experiments, INFORMATION SCIENCES, Volume: 381, Pages: 176-192, ISSN: 0020-0255, eISSN: 1872-6291, 2017;	4.832 / Q1
99.	Precup, R.E., David, R.C., Petriu, E.M. Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems With Reduced Parametric Sensitivity, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 64, Issue: 1, Pages: 527-534, ISSN: 0278-0046, eISSN: 1557-9948, 2017;	7.168 / Q1
100.	Racuciu, M., Iftode, C., Miclaus, S. ULTRAHIGH FREQUENCY-LOW POWER ELECTROMAGNETIC FIELD IMPACT ON PHYSIOLOGICAL PARAMETERS OF TWO TYPES OF CEREALS, ROMANIAN REPORTS IN PHYSICS, Volume: 69, Issue: 4, Article Number: 712, ISSN: 1221-1451, eISSN: 1841-8759, 2017;	1.467 / Q2
101.	Radac, M.B., Precup, R.E., Roman, R.C. Model-Free control performance improvement using virtual reference feedback tuning and reinforcement Q-learning, INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE, Volume: 48, Issue: 5, Pages: 1071-1083, ISSN: 0020-7721, eISSN: 1464-5319, 2017;	2.285 / Q1
102.	Ramasamy, P., Stoica, M., Bera, S., Calin, M., Eckert, J. Effect of replacing Nb with (Mo and Zr) on glass forming ability, magnetic and mechanical properties of FeCoBSiNb bulk metallic glass, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 707, Pages: 78-81, ISSN: 0925-8388, eISSN: 1873-4669, 2017;	3.133 / Q1
103.	Sarac, B., Bernasconi, A., Wright, J., Stoica, M., Spieckermann, F., Muhlbacher, M., Keckes, J., Bian, X., Wang, G., Eckert, J. Structural modifications in sub-T-g annealed CuZr-based metallic glass, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, Volume: 707, Pages: 245-252, ISSN: 0921-5093, eISSN: 1873-4936, 2017;	3.094 / Q1
104.	Sarac, B., Bera, S., Spieckermann, F., Balakin, S., Stoica, M., Calin, M., Eckert, J. Micropatterning kinetics of different glass-forming systems investigated by thermoplastic net-shaping, SCRIPTA MATERIALIA, Volume: 137, Pages: 127-131, ISSN: 1359-6462, 2017;	3.747 / Q1

No.	Article	2016 Impact Factor / Quartile in Category
105.	Sarac, B., Bera, S., Balakin, S., Stoica, M., Calin, M., Eckert, J. Hierarchical surface patterning of Ni- and Be-free Ti- and Zr-based bulk metallic glasses by thermoplastic net-shaping, MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, Volume: 73, Pages: 398-405, PubMed ID: 28183624, ISSN: 0928-4931, eISSN: 1873-0191, 2017;	4.164 / Q2
106.	Stefan, D., Rudolf, P., Muntean, S., Susan-Resiga, R. Proper Orthogonal Decomposition of Self-Induced Instabilities in Decelerated Swirling Flows and Their Mitigation Through Axial Water Injection, JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, Volume: 139, Issue: 8, Article Number: 081101, ISSN: 0098-2202, eISSN: 1528-901X, 2017;	1.437 / Q2
107.	Stoia, M., Muntean, E., Pacurariu, C., Mihali, C. Thermal behavior of MnFe ₂ O ₄ and MnFe ₂ O ₄ /C nanocomposite synthesized by a solvothermal method, THERMOCHIMICA ACTA, Volume: 652, Pages: 1-8, ISSN: 0040-6031, eISSN: 1872-762X, 2017;	2.236 / Q2
108.	Stoia, M., Muntean, C., Militaru, B. MnFe ₂ O ₄ nanoparticles as new catalyst for oxidative degradation of phenol by peroxydisulfate, JOURNAL OF ENVIRONMENTAL SCIENCES, Volume: 53, Pages: 269-277, PubMed ID: 28372751, ISSN: 1001-0742, eISSN: 1878-7320, 2017;	2.865 / Q2
109.	Stoia, M., Barvinschi, P., Barbu-Tudoran, L., Bunoiu, M. Influence of polyols on the formation of nanocrystalline nickel ferrite inside silica matrices, JOURNAL OF CRYSTAL GROWTH, Volume: 457, Special Issue: SI, Pages: 294-301, ISSN: 0022-0248, eISSN: 1873-5002, 2017;	1.751 / Q2
110.	Stoia, M., Pacurariu, C., Muntean, E.C., Thermal stability of the solvothermal-synthesized MnFe ₂ O ₄ nanopowder, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 127, Issue: 1, Pages: 155-162, ISSN: 1388-6150, eISSN: 1588-2926, 2017;	1.953 / Q2
111.	Susan-Resiga, D., Vekas, L. Ferrofluid based composite fluids: Magnetorheological properties correlated by Mason and Casson numbers, JOURNAL OF RHEOLOGY, Volume: 61, Issue: 3, Pages: 401-408, ISSN: 0148-6055, 2017;	3.136 / Q1
112.	Tigan, G., Llibre, J., Ciurdariu, L. Degenerate Fold-Hopf Bifurcations in a Rossler-Type System, INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, Volume: 27, Issue: 5, Article Number: 1750068, ISSN: 0218-1274, eISSN: 1793-6551, 2017;	1.329 / Q2
113.	Tigan, G. DEGENERATE WITH RESPECT TO PARAMETERS FOLD-HOPF BIFURCATIONS, DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS, Volume: 37, Issue: 4, Pages: 2115-2140, ISSN: 1078-0947, eISSN: 1553-5231, 2017;	1.099 / Q1
114.	Tigan, G. Using Melnikov functions of any order for studying limit cycles, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, Volume: 448, Issue: 1, Pages: 409-420, ISSN: 0022-247X, eISSN: 1096-0813, 2017;	1.064 / Q1
115.	Tiwari, A.K., Albulescu, C.T., Yoon, S.M. A multifractal detrended fluctuation analysis of financial market efficiency: Comparison using Dow Jones sector ETF indices, PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, Volume: 483, Pages: 182-192, ISSN: 0378-4371, eISSN: 1873-2119, 2017;	2.243 / Q1
116.	Topirceanu, A. Breaking up friendships in exams: A case study for minimizing student cheating in higher education using social network analysis, COMPUTERS & EDUCATION, Volume: 115, Pages: 171-187, ISSN: 0360-1315, eISSN: 1873-782X, 2017;	3.819 / Q1
117.	Topirceanu, A., Udrescu, M. Statistical fidelity: a tool to quantify the similarity between multi-variable entities with application in complex networks, INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, Volume: 94, Issue: 9, Pages: 1787-1805, ISSN: 0020-7160, eISSN: 1029-0265, 2017;	0.971 / Q2

No.	Article	2016 Impact Factor / Quartile in Category
118.	Totorean, A.F., Hudrea, C.I., Bosioc, A.I., Bernad, S.I. FLOW FIELD EVOLUTION IN STENTED VERSUS STENOSED CORONARY ARTERY, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 18, Issue: 3, Pages: 248-255, ISSN: 1454-9069, 2017;	1.623 / Q2
119.	Tudoran, R.M., Girban, A. Bifurcations of limit cycles of perturbed completely integrable systems, NONLINEARITY, Volume: 30, Issue: 3, Pages: 1058-1088, ISSN: 0951-7715, eISSN: 1361-6544, 2017;	1.767 / Q1
120.	Ungurean, L., Carstoiu, G., Micea, M.V., Groza, V. Battery state of health estimation: a structured review of models, methods and commercial devices, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 41, Issue: 2, Pages: 151-181, ISSN: 0363-907X, eISSN: 1099-114X, 2017;	2.598 / Q1
121.	Utu, I.D., Marginean, G. Effect of electron beam remelting on the characteristics of HVOF sprayed Al ₂ O ₃ -TiO ₂ coatings deposited on titanium substrate, COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, Volume: 526, Special Issue: SI, Pages: 70-75, ISSN: 0927-7757, eISSN: 1873-4359, 2017;	2.714 / Q2
122.	Vlazan, P., Stoia, M., Poienar, M., Sfirloaga, P. Phase transition behaviour and physicochemical properties of KNbO ₃ ceramics, CERAMICS INTERNATIONAL, Volume: 43, Issue: 8, Pages: 5963-5967, ISSN: 0272-8842, eISSN: 1873-3956, 2017;	2.986 / Q1
123.	Vulcu, C., Stratan, A., Ciutina, A., Dubina, D. Beam-to-CFT High-Strength Joints with External Diaphragm. II: Numerical Simulation of Joint Behavior, JOURNAL OF STRUCTURAL ENGINEERING, Volume: 143, Issue: 5, Article Number: 04017002, ISSN: 0733-9445, eISSN: 1943-541X, 2017;	2.021 / Q2
124.	Vulcu, C., Stratan, A., Ciutina, A., Dubina, D. Beam-to-CFT High-Strength Joints with External Diaphragm. I: Design and Experimental Validation, JOURNAL OF STRUCTURAL ENGINEERING, Volume: 143, Issue: 5, Article Number: 04017001, ISSN: 0733-9445, eISSN: 1943-541X, 2017;	2.021 / Q2
125.	Zhang, L., He, Z.Y., Tan, J., Zhang, Y.Q., Stoica, M., Calin, M., Prashanth, K.G., Cordill, M.J., Jiang, Y.H., Zhou, R., Eckert, J. Designing a novel functional-structural NiTi/hydroxyapatite composite with enhanced mechanical properties and high bioactivity, INTERMETALLICS, Volume: 84, Pages: 35-41, ISSN: 0966-9795, eISSN: 1879-0216, 2017;	3.14 / Q1
126.	Zhang, L., He, Z.Y., Tan, J., Zhang, Y.Q., Stoica, M., Prashanth, K.G., Cordill, M.J., Jiang, Y.H., Zhou, R., Eckert, J. Rapid fabrication of function-structure-integrated NiTi alloys: Towards a combination of excellent superelasticity and favorable bioactivity, INTERMETALLICS, Volume: 82, Pages: 1-13, ISSN: 0966-9795, eISSN: 1879-0216, 2017;	3.14 / Q1