

No	ARTICLE OR REVIEW	2017 Impact Factor	2017 Quartile
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;	2.644	Q1, 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;	5.072	Q1, 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;	3.441	Q1, Q2
4.	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;	3.356	Q1
5.	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;	3.47	Q1
6.	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;	4.525	Q1
7.	Bistrieanu, 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;	2.589	Q1, Q1
8.	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 (2016)	Q1, Q2
9.	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;	2.865	Q1, Q1, Q1
10.	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;	2.213	Q2, Q1, Q2
11.	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;	1.138	Q1, Q2
12.	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;	2.365	Q1
13.	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;	3.831	Q1
14.	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;	7.05	Q1, Q1, Q1
15.	Dinu, F., Marginean, I., Dubina, D. Experimental testing and numerical modelling of steel moment-frame connections under column loss, ENGINEERING STRUCTURES, Volume: 151, Pages: 861-878, ISSN: 0141-0296, eISSN: 1873-7323, 2017;	2.755	Q1
16.	Filippov, S.N., Magadov, K.Y., Jivulescu, M.A. Absolutely separating quantum maps and channels, NEW JOURNAL OF PHYSICS, Volume: 19, Article Number: 083010, ISSN: 1367-2630, 2017;	3.579	Q1
17.	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;	4.005	Q1

18.	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;	4.005	Q1
19.	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;	4.005	Q1
20.	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;	4.946	Q1, Q1, Q1
21.	Ianos, R., Babuta, R., Pacurariu, C., Lazau, R., Istrate, 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;	3.057	Q1
22.	Ianos, R., Muntean, E., Babuta, R., Lazau, R., Pacurariu, C., Badas, 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;	3.057	Q1
23.	Ianos, R., Muntean, E., Pacurariu, C., Lazau, R., Badas, 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;	3.767	Q1, Q1, Q1
24.	Iliu, 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;	3.741	Q1
25.	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;	1.963	Q1, Q2
26.	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;	6.812	Q1
27.	Linul, E., Marsavina, L., Kovacic, 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;	3.414	Q2, Q1, Q2
28.	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;	4.101	Q1
29.	Linul, E., Serban, D.A., Marsavina, L., Kovacic, 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;	2.533	Q1, Q2
30.	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;	2.763	Q1, Q1, Q2
31.	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;	2.796	Q1
32.	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;	3.441	Q1, Q2
33.	Madescu, G., Biriescu, M., Tutela, 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;	7.05	Q1, Q1, Q1
34.	Maiorean, 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;	3.58	Q1
35.	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;	4.805	Q1
36.	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;	2.617	Q1, Q1, Q1

37.	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;	4.441	Q1, Q1
38.	Orha, C., Pode, R., Manea, F., Lazau, C., Badas, 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;	3.441	Q1, Q2
39.	Popa, S., Iliescu, S., Ilia, 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;	3.741	Q1
40.	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;	7.05	Q1, Q1, Q1
41.	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;	4.305	Q1
42.	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;	2.185	Q2, Q1, Q2
43.	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;	3.779	Q2, Q1, Q1
44.	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;	5.08	Q1
45.	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;	4.163	Q1, Q1, Q2
46.	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;	3.414	Q2, Q1, Q2
47.	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;	2.969	Q1
48.	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;	1.126	Q1, Q2
49.	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;	1.138	Q1, Q2
50.	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;	4.538	Q1, Q1
51.	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;	1.926	Q1, Q2
52.	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;	3.009	Q2, Q1
53.	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;	3.057	Q1
54.	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;	3.42	Q2, Q2, Q1
55.	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;	3.42	Q2, Q2, Q1
56.	Zhou, Z.M., Tigan, G., Yu, Z.H. Hopf bifurcations in an extended Lorenz system, ADVANCES IN DIFFERENCE EQUATIONS, Article Number: 28, ISSN: 1687-1847, 2017.	1.066	Q1, Q2