

No	ARTICLE OR REVIEW	2018 Impact Factor	2018 Quartile
1.	Albulescu, C.T., Miclea, S., Suci, S.S., Tamasila, M. Firm-level investment in the extractive industry from CEE countries: the role of macroeconomic uncertainty and internal conditions, EURASIAN BUSINESS REVIEW, Volume: 8, Issue: 2, Pages: 193-208, ISSN: 1309-4297, eISSN: 2147-4281, 2018;	2.143	Q3, Q1, Q3
2.	Aliha, M.R.M., Linul, E., Bahmani, A., Marsavina, L. Experimental and theoretical fracture toughness investigation of PUR foams under mixed mode I plus III loading, POLYMER TESTING, Volume: 67, Pages: 75-83, ISSN: 0142-9418, eISSN: 1873-2348, 2018;	2.943	Q1, Q1
3.	Ancuti, C.O., Ancuti, C., De Vleeschouwer, C., Bekaert, P. Color Balance and Fusion for Underwater Image Enhancement, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 27, Issue: 1, Pages: 379-393, PubMed ID: 28981416, ISSN: 1057-7149, eISSN: 1941-0042, 2018;	6.79	Q1, Q1
4.	Ancuti, C., Ancuti, C.O., de Vleeschouwer, C., Sbert, M. Decolorization by Fusion, IEEE ACCESS, Volume: 6, Pages: 64071-64084, ISSN: 2169-3536, 2018;	4.098	Q1, Q1, Q1
5.	Baloi, M.A., Crucean, C., Popescu, D. Scalar pair production in a magnetic field in de Sitter universe, EUROPEAN PHYSICAL JOURNAL C, Volume: 78, Issue: 5, Article Number: 398, ISSN: 1434-6044, eISSN: 1434-6052, 2018;	4.843	Q1
6.	Belega, D., Petri, D., Dallet, D. Amplitude and Phase Estimation of Real-Valued Sine Wave via Frequency-Domain Linear Least-Squares Algorithms, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Volume: 67, Issue: 5, Special Issue: SI, Pages: 1065-1077, ISSN: 0018-9456, eISSN: 1557-9662, 2018;	3.067	Q2, Q1
7.	Boldea, I., Tutelea, L.N., Xu, W., Pucci, M. Linear Electric Machines, Drives, and MAGLEVs: An Overview, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 65, Issue: 9, Pages: 7504-7515, ISSN: 0278-0046, eISSN: 1557-9948, 2018;	7.503	Q1, Q1, Q1
8.	Calinoiu, D., Stefu, N., Boata, R., Blaga, R., Pop, N., Paulescu, E., Sabadus, A., Paulescu, M. Parametric modeling: A simple and versatile route to solar irradiance, ENERGY CONVERSION AND MANAGEMENT, Volume: 164, Pages: 175-187, ISSN: 0196-8904, eISSN: 1879-2227, 2018;	7.181	Q1, Q1, Q1
9.	Craciunescu, C., Mitelea, I. Combined effects in quasisimilar NiTi joints manufactured by pulsed laser welding, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, Volume: 737, Pages: 364-372, ISSN: 0921-5093, eISSN: 1873-4936, 2018;	4.081	Q1, Q1, Q2
10.	de Miranda, S., Melchionda, D., Ungureanu, V., Dubina, D. A modified ECBL approach for cold-formed steel rack section members, THIN-WALLED STRUCTURES, Volume: 130, Pages: 47-56, ISSN: 0263-8231, eISSN: 1879-3223, 2018;	3.488	Q1
11.	Greco, E., Aceleanu, M.I., Albulescu, C.T. The economic, social and environmental impact of shale gas exploitation in Romania: A cost-benefit analysis, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Volume: 93, Pages: 691-700, ISSN: 1364-0321, 2018;	10.556	Q1, Q1
12.	Groza, B., Murvay, P.S. SECURITY SOLUTIONS FOR THE CONTROLLER AREA NETWORK Bringing Authentication to In-Vehicle Networks, IEEE VEHICULAR TECHNOLOGY MAGAZINE, Volume: 13, Issue: 1, Pages: 40-47, ISSN: 1556-6072, eISSN: 1556-6080, 2018;	6.145	Q1, Q1, Q1
13.	Hutiu, G., Duma, V.F., Demian, D., Bradu, A., Podoleanu, A.G. Assessment of Ductile, Brittle, and Fatigue Fractures of Metals Using Optical Coherence Tomography, METALS, Volume: 8, Issue: 2, Article Number: 117, ISSN: 2075-4701, 2018;	2.259	Q3, Q1
14.	Ianos, R. Key-role of the recipe formulation in the solution combustion synthesis of monocalcium aluminate, CaAl ₂ O ₄ , CERAMICS INTERNATIONAL, Volume: 44, Issue: 17, Pages: 21908-21913, ISSN: 0272-8842, eISSN: 1873-3956, 2018;	3.45	Q1
15.	Ianos, R., Moaca, E.A., Caprarua, A., Lazau, R., Pacurariu, C. Maghemite, gamma-Fe ₂ O ₃ , nanoparticles preparation via carbon-templated solution combustion synthesis, CERAMICS INTERNATIONAL, Volume: 44, Issue: 12, Pages: 14090-14094, ISSN: 0272-8842, eISSN: 1873-3956, 2018;	3.45	Q1
16.	Ianos, R., Lazau, R., Babuta, R., Muntean, E., Moaca, E.A., Pacurariu, C. Solution combustion synthesis: a straightforward route for the preparation of chromium-doped lanthanum aluminate, LaAl _{1-x} CrxO ₃ , pink red pigments, DYES AND PIGMENTS, Volume: 155, Pages: 218-224, ISSN: 0143-7208, eISSN: 1873-3743, 2018;	4.018	Q1, Q1, Q1
17.	Ianos, R., Muntean, E., Lazau, R., Babuta, R., Moaca, E.A., Pacurariu, C., Dabici, A., Hulka, I. One-step synthesis of near-infrared reflective brown pigments based on iron-doped lanthanum aluminate, LaAl _{1-x} FexO ₃ , DYES AND PIGMENTS, Volume: 152, Pages: 105-111, ISSN: 0143-7208, eISSN: 1873-3743, 2018;	4.018	Q1, Q1, Q1
18.	Ianos, R., Pacurariu, C., Muntean, S.G., Muntean, E., Nistor, M.A., Niznansky, D. Combustion synthesis of iron oxide/carbon nanocomposites, efficient adsorbents for anionic and cationic dyes removal from wastewaters, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 741, Pages: 1235-1246, ISSN: 0925-8388, eISSN: 1873-4669, 2018;	4.175	Q2, Q1, Q1
19.	Khoa L., Declercq, D., Ghaffari, F., Kessal, L., Boncalo, O., Savin, V. Variable-Node-Shift Based Architecture for Probabilistic Gradient Descent Bit Flipping on QC-LDPC Codes, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, Volume: 65, Issue: 7, Pages: 2183-2195, ISSN: 1549-8328, eISSN: 1558-0806, 2018;	3.934	Q1

20.	Li, X., Xu, W., Ye, C.Y., Boldea, I. Comparative Study of Transversal-Flux Permanent-Magnetic Linear Oscillatory Machines for Compressor, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 65, Issue: 9, Pages: 7437-7446, ISSN: 0278-0046, eISSN: 1557-9948, 2018;	7.503	Q1, Q1, Q1
21.	Linul, E., Valean, C., Linul, P.A. Compressive Behavior of Aluminum Microfibers Reinforced Semi-Rigid Polyurethane Foams, POLYMERS, Volume: 10, Issue: 12, Article Number: 1298, ISSN: 2073-4360, 2018;	3.164	Q1
22.	Linul, E., Movahedi, N., Marsavina, L. The temperature and anisotropy effect on compressive behavior of cylindrical closed-cell aluminum-alloy foams, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 740, Pages: 1172-1179, ISSN: 0925-8388, eISSN: 1873-4669, 2018;	4.175	Q2, Q1, Q1
23.	Lupa, L., Cocheci, L., Pode, R., Hulka, I. Phenol adsorption using Aliquat 336 functionalized Zn-Al layered double hydroxide, SEPARATION AND PURIFICATION TECHNOLOGY, Volume: 196, Special Issue: SI, Pages: 82-95, ISSN: 1383-5866, eISSN: 1873-3794, 2018;	5.107	Q1
24.	Marinca, B., Marinca, V. Some exact solutions for MHD flow and heat transfer to modified second grade fluid with variable thermal conductivity in the presence of thermal radiation and heat generation/absorption, COMPUTERS & MATHEMATICS WITH APPLICATIONS, Volume: 76, Issue: 6, Pages: 1515-1524, ISSN: 0898-1221, eISSN: 1873-7668, 2018;	2.811	Q1
25.	Moisa, M.E., Poppe, L., Gal, C.A., Bencze, L.C., Irimie, F.D., Paizs, C., Peter, F., Tosa, M.I. Click reaction- aided enzymatic kinetic resolution of secondary alcohols, REACTION CHEMISTRY & ENGINEERING, Volume: 3, Issue: 5, Pages: 790-798, ISSN: 2058-9883, 2018;	3.935	Q2, Q1
26.	Murvay, P.S., Groza, B. Security Shortcomings and Countermeasures for the SAE J1939 Commercial Vehicle Bus Protocol, IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, Volume: 67, Issue: 5, Pages: 4325-4339, ISSN: 0018-9545, eISSN: 1939-9359, 2018;	5.339	Q1, Q1, Q1
27.	Negrea, A., Gabor, A., Davidescu, C.M., Ciopec, M., Negrea, P., Duteanu, N., Barbulescu, A. Rare Earth Elements Removal from Water Using Natural Polymers, SCIENTIFIC REPORTS, Volume: 8, Article Number: 316, PubMed ID: 29321487, ISSN: 2045-2322, 2018;	4.011	Q1
28.	Negru, R., Serban, D.A., Pop, C., Marsavina, L. Notch effect assessment in a PUR material using a ring shaped specimen, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 97, Pages: 500-506, ISSN: 0167-8442, eISSN: 1872-7638, 2018;	2.848	Q2, Q1
29.	Nelson, J.D.B., Gibberd, A.J., Nafornita, C., Kingsbury, N. The locally stationary dual-tree complex wavelet model, STATISTICS AND COMPUTING, Volume: 28, Issue: 6, Pages: 1139-1154, ISSN: 0960-3174, eISSN: 1573-1375, 2018;	2.383	Q2, Q1
30.	Niyonzima, S., Pop, N., Iacob, F., Larson, A., Orel, A.E., Mezei, J.Z., Chakrabarti, K., Laporta, V., Hassouni, K., Benredjem, D., Bultel, A., Tennyson, J., Reiter, D., Schneider, I.F. Low-energy collisions between electrons and BeD+, PLASMA SOURCES SCIENCE & TECHNOLOGY, Volume: 27, Issue: 2, Article Number: 025015, ISSN: 0963-0252, eISSN: 1361-6595, 2018;	4.128	Q1
31.	Popa, C.A. Global exponential stability of neutral-type octonion-valued neural networks with time-varying delays, NEUROCOMPUTING, Volume: 309, Pages: 117-133, ISSN: 0925-2312, eISSN: 1872-8286, 2018;	4.072	Q1
32.	Popa, C.A. Global exponential stability of octonion-valued neural networks with leakage delay and mixed delays, NEURAL NETWORKS, Volume: 105, Pages: 277-293, PubMed ID: 29890384, ISSN: 0893-6080, eISSN: 1879-2782, 2018;	5.785	Q1, Q1
33.	Popa, C.A., Kaslik, E. Multistability and multiperiodicity in impulsive hybrid quaternion-valued neural networks with mixed delays, NEURAL NETWORKS, Volume: 99, Pages: 1-18, PubMed ID: 29306800, ISSN: 0893-6080, eISSN: 1879-2782, 2018;	5.785	Q1, Q1
34.	Radac, M.B., Precup, R.E. Data-driven MIMO model-free reference tracking control with nonlinear state-feedback and fractional order controllers, APPLIED SOFT COMPUTING, Volume: 73, Pages: 992-1003, ISSN: 1568-4946, eISSN: 1872-9681, 2018;	4.873	Q1, Q1
35.	Radac, M.B., Precup, R.E., Roman, R.C. Data-driven model reference control of MIMO vertical tank systems with model-free VRFT and Q-Learning, ISA TRANSACTIONS, Volume: 73, Pages: 227-238, PubMed ID: 29325777, ISSN: 0019-0578, eISSN: 1879-2022, 2018;	4.343	Q1, Q1, Q1
36.	Radac, M.B., Precup, R.E. Data-driven model-free slip control of anti-lock braking systems using reinforcement Q-learning, NEUROCOMPUTING, Volume: 275, Pages: 317-329, ISSN: 0925-2312, eISSN: 1872-8286, 2018;	4.072	Q1
37.	Reisz, E., von Sonntag, C., Tekle-Rotter, A., Naumov, S., Schmidt, W., Schmidt, T.C. Reaction of 2-propanol with ozone in aqueous media, WATER RESEARCH, Volume: 128, Pages: 171-182, PubMed ID: 29102696, ISSN: 0043-1354, 2018;	7.913	Q1, Q1, Q1
38.	Roman, M., Roman, D.L., Ostafe, V., Ciorsac, A., Isvoran, A. Computational Assessment of Pharmacokinetics and Biological Effects of Some Anabolic and Androgen Steroids, PHARMACEUTICAL RESEARCH, Volume: 35, Issue: 2, Article Number: UNSP 41, PubMed ID: 29404794, ISSN: 0724-8741, eISSN: 1573-904X, 2018;	3.896	Q2, Q1
39.	Sarac, B., Gammer, C., Deng, L., Park, E., Yokoyama, Y., Stoica, M., Eckert, J. Elastostatic reversibility in thermally formed bulk metallic glasses: nanobeam diffraction fluctuation electron microscopy, NANOSCALE, Volume: 10, Issue: 3, Pages: 1081-1089, PubMed ID: 29271462, ISSN: 2040-3364, eISSN: 2040-3372, 2018;	6.97	Q1, Q1, Q1, Q1

40.	Sarac, B., Ivanov, Y.P., Chuvilin, A., Schoberl, T., Stoica, M., Zhang, Z.L., Eckert, J. Origin of large plasticity and multiscale effects in iron-based metallic glasses, NATURE COMMUNICATIONS, Volume: 9, Article Number: 1333, PubMed ID: 29626189, ISSN: 2041-1723, 2018;	11.878	Q1
41.	Sarbu, I., Dorca, A. A comprehensive review of solar thermoelectric cooling systems, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 42, Issue: 2, Pages: 395-415, ISSN: 0363-907X, eISSN: 1099-114X, 2018;	3.343	Q2, Q1
42.	Stanciu, E.M., Pascu, A., Roata, I.C., Croitoru, C., Tiorean, M., Rosca, J.M., Hulka, I. Solar radiation synthesis of functional carbonaceous materials using Al ₂ O ₃ /TiO ₂ -Cu-HA doped catalyst, APPLIED SURFACE SCIENCE, Volume: 438, Pages: 33-40, ISSN: 0169-4332, eISSN: 1873-5584, 2018;	5.155	Q1, Q1, Q1, Q1
43.	Stoica, F., Chirita-Emandi, A., Andreescu, N., Stanciu, A., Zimbru, C.G., Puiu, M. Clinical relevance of retinal structure in children with laser-treated retinopathy of prematurity versus controls - using optical coherence tomography, ACTA OPHTHALMOLOGICA, Volume: 96, Issue: 2, Pages: e222-e228, PubMed ID: 28926210, ISSN: 1755-375X, eISSN: 1755-3768, 2018;	3.153	Q1
44.	Susan-Resiga, D., Barvinschi, P. Correlation of rheological properties of ferrofluid-based magnetorheological fluids using the concentration-magnetization superposition, JOURNAL OF RHEOLOGY, Volume: 62, Issue: 3, Pages: 739-752, ISSN: 0148-6055, 2018;	3.468	Q1
45.	Taherishargh, M., Linul, E., Broxtermann, S., Fiedler, T. The mechanical properties of expanded perlite-aluminium syntactic foam at elevated temperatures, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 737, Pages: 590-596, ISSN: 0925-8388, eISSN: 1873-4669, 2018;	4.175	Q2, Q1, Q1
46.	Todea, A., Aparaschivei, D., Badea, V., Boeriu, C.G., Peter, F. Biocatalytic Route for the Synthesis of Oligoesters of Hydroxy-Fatty acids and E-Caprolactone, BIOTECHNOLOGY JOURNAL, Volume: 13, Issue: 6, Special Issue: SI, Article Number: 1700629, ISSN: 1860-6768, eISSN: 1860-7314, 2018;	3.543	Q1, Q2
47.	Todea, A., Borza, P., Cimporescu, A., Paul, C., Peter, F. Continuous kinetic resolution of aliphatic and aromatic secondary alcohols by sol-gel entrapped lipases in packed bed bioreactors, CATALYSIS TODAY, Volume: 306, Pages: 223-232, ISSN: 0920-5861, eISSN: 1873-4308, 2018;	4.888	Q1, Q2, Q1
48.	Topirceanu, A., Udrescu, M., Marculescu, R. Weighted Betweenness Preferential Attachment: A New Mechanism Explaining Social Network Formation and Evolution, SCIENTIFIC REPORTS, Volume: 8, Article Number: 10871, PubMed ID: 30022079, ISSN: 2045-2322, 2018;	4.011	Q1
49.	Topirceanu, A. Competition-Based Benchmarking of Influence Ranking Methods in Social Networks, COMPLEXITY, Article Number: 4562609, ISSN: 1076-2787, eISSN: 1099-0526, 2018;	2.591	Q1, Q2
50.	Tutelea, L.N., Staudt, T., Popa, A.A., Hoffmann, W., Boldea, I. Line Start 1 Phase-Source Split Phase Capacitor Cage-PM Rotor-RelSyn Motor: Modeling, Performance, and Optimal Design With Experiments, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 65, Issue: 2, Pages: 1772-1780, ISSN: 0278-0046, eISSN: 1557-9948, 2018;	7.503	Q1, Q1, Q1
51.	Ungureanu, V., Kotelko, M., Karmazyn, A., Dubina, D. Plastic mechanisms of thin-walled cold-formed steel members in eccentric compression, THIN-WALLED STRUCTURES, Volume: 128, Special Issue: SI, Pages: 184-192, ISSN: 0263-8231, eISSN: 1879-3223, 2018;	3.488	Q1
52.	Vasilescu, C., Latikka, M., Knudsen, K.D., Garamus, V.M., Socoliuc, V., Turcu, R., Tombacz, E., Susan-Resiga, D., Ras, R.H.A., Vekas, L. High concentration aqueous magnetic fluids: structure, colloidal stability, magnetic and flow properties, SOFT MATTER, Volume: 14, Issue: 32, Pages: 6648-6666, PubMed ID: 30035279, ISSN: 1744-683X, eISSN: 1744-6848, 2018;	3.399	Q2, Q2, Q1, Q1
53.	Vasilie, S., Manea, F., Baciu, A., Pop, A. Dual use of boron-doped diamond electrode in antibiotics-containing water treatment and process control, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, Volume: 117, Pages: 446-453, ISSN: 0957-5820, eISSN: 1744-3598, 2018;	4.384	Q1, Q2
54.	Vlascici, D., Plesu, N., Fagadar-Cosma, G., Lasca, A., Petric, M., Crisan, M., Belean, A., Fagadar-Cosma, E. Potentiometric Sensors for Iodide and Bromide Based on Pt(II)-Porphyrin, SENSORS, Volume: 18, Issue: 7, Article Number: 2297, PubMed ID: 30012951, ISSN: 1424-8220, 2018;	3.031	Q2, Q2, Q1
55.	Vlazan, P., Stoia, M. Structural and magnetic properties of CoFe ₂ O ₄ nanopowders, prepared using a modified Pechini method, CERAMICS INTERNATIONAL, Volume: 44, Issue: 1, Pages: 530-536, ISSN: 0272-8842, eISSN: 1873-3956, 2018;	3.45	Q1
56.	Wang, X.H., Inoue, A., Zhao, J.F., Kong, F.L., Zhu, S.L., Kaban, I., Stoica, M., Oswald, S., Fan, C., Shalaan, E., Al-Marzouki, F., Eckert, J., Yin, F.X., Li, Q. Liquid ejection temperature dependence of structure and glass transition behavior for rapidly solidified Zr-Al-M (M=Ni, Cu or Co) ternary glassy alloys, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 739, Pages: 1104-1114, ISSN: 0925-8388, eISSN: 1873-4669, 2018;	4.175	Q2, Q1, Q1
57.	Yousefi-Talouki, A., Pescetto, P., Pellegrino, G., Boldea, I. Combined Active Flux and High-Frequency Injection Methods for Sensorless Direct-Flux Vector Control of Synchronous Reluctance Machines, IEEE TRANSACTIONS ON POWER ELECTRONICS, Volume: 33, Issue: 3, Pages: 2447-2457, ISSN: 0885-8993, eISSN: 1941-0107, 2018.	7.224	Q1