

No	ARTICLE OR REVIEW	2019 Impact Factor	2019 Quartile
1.	Albulescu, C.T., Demirer, R., Raheem, I.D., Tiwari, A.K. Does the US economic policy uncertainty connect financial markets? Evidence from oil and commodity currencies, ENERGY ECONOMICS, Volume: 83, Pages: 375-388, ISSN: 0140-9883, eISSN: 1873-6181, 2019;	5.203	Q1
2.	Albulescu, C.T., Tiwari, A.K., Yoon, S.M., Kang, S.H. FDI, income, and environmental pollution in Latin America: Replication and extension using panel quantiles regression analysis, ENERGY ECONOMICS, Volume: 84, Article Number: UNSP 104504, ISSN: 0140-9883, eISSN: 1873-6181, 2019;	5.203	Q1
3.	Aliha, M.R.M., Mousavi, S.S., Bahmani, A., Linul, E., Marsavina, L. Crack initiation angles and propagation paths in polyurethane foams under mixed modes I/II and I/III loading, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 101, Pages: 152-161, ISSN: 0167-8442, eISSN: 1872-7638, 2019;	3.021	Q2, Q1
4.	Avram, S., Udrea, A.M., Negrea, A., Ciopec, M., Duteanu, N., Postolache, C., Duda-Seiman, C., Duda-Seiman, D., Shaposhnikov, S. Prevention of Deficit in Neuropsychiatric Disorders through Monitoring of Arsenic and Its Derivatives as Well as Through Bioinformatics and Cheminformatics, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 20, Issue: 8, Article Number: 1804, PubMed ID: 31013686, eISSN: 1422-0067, 2019;	4.556	Q1, Q2
5.	Baba, M., Gui, V., Cernazanu, C., Pescaru, D. A Sensor Network Approach for Violence Detection in Smart Cities Using Deep Learning, SENSORS, Volume: 19, Issue: 7, Article Number: 1676, PubMed ID: 30965646, eISSN: 1424-8220, 2019;	3.275	Q2, Q2, Q1
6.	Belega, D., Petri, D. Influence of the noise on DFT-based sine-wave frequency and amplitude estimators, MEASUREMENT, Volume: 137, Pages: 527-534, ISSN: 0263-2241, eISSN: 1873-412X, 2019;	3.364	Q1, Q1
7.	Binzar, T., Burdak, Z., Lazureanu, C., Popovici, D., Slocinski, M. Wold-Slocinski decompositions for commuting isometric triples, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, Volume: 472, Issue: 2, Pages: 1660-1677, ISSN: 0022-247X, eISSN: 1096-0813, 2019;	1.22	Q1, Q2
8.	Blaga, R., Sabadus, A., Stefu, N., Dughir, C., Paulescu, M., Badescu, V. A current perspective on the accuracy of incoming solar energy forecasting, PROGRESS IN ENERGY AND COMBUSTION SCIENCE, Volume: 70, Pages: 119-144, ISSN: 0360-1285, eISSN: 1873-216X, 2019;	28.938	Q1, Q1, Q1, Q1
9.	Chieffo, N., Clementi, F., Formisano, A., Lenci, S. Comparative fragility methods for seismic assessment of masonry buildings located in Muccia (Italy), JOURNAL OF BUILDING ENGINEERING, Volume: 25, Article Number: UNSP 100813, ISSN: 2352-7102, 2019;	3.379	Q1, Q1
10.	Cocheci, L., Lupa, L., Lazau, R., Voda, R., Pode, R. Zinc recovery from waste zinc ash - A new "green" route for the preparation of Zn-Al layered double hydroxide used for molybdate retention, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 787, Pages: 332-343, ISSN: 0925-8388, eISSN: 1873-4669, 2019;	4.65	Q2, Q2, Q1
11.	Daianu, D.M. FIXED POINT APPROACH TO THE STABILITY OF GENERALIZED POLYNOMIALS, FIXED POINT THEORY, Volume: 20, Issue: 1, Pages: 135-155, ISSN: 1583-5022, eISSN: 2066-9208, 2019;	1.287	Q1, Q2
12.	Dolha, S., Negirla, P., Alexa, F., Silea, I. Considerations about the Signal Level Measurement in Wireless Sensor Networks for Node Position Estimation, SENSORS, Volume: 19, Issue: 19, Article Number: 4179, PubMed ID: 31561569, eISSN: 1424-8220, 2019;	3.275	Q2, Q2, Q1
13.	Dubina, D., Marginean, I., Dinu, F. Impact modelling for progressive collapse assessment of selective rack systems, THIN-WALLED STRUCTURES, Volume: 143, Special Issue: SI, Article Number: UNSP 106201, ISSN: 0263-8231, eISSN: 1879-3223, 2019;	4.033	Q1, Q1, Q1
14.	Duma, V.F. Laser scanners with oscillatory elements: Design and optimization of 1D and 2D scanning functions, APPLIED MATHEMATICAL MODELLING, Volume: 67, Pages: 456-476, ISSN: 0307-904X, eISSN: 1872-8480, 2019;	3.633	Q1, Q1, Q1
15.	Dumitru, R., Ianculescu, A., Pacurariu, C., Lupa, L., Pop, A., Vasile, B., Surdu, A., Manea, F. BiFeO <sub>3</sub> -synthesis, characterization and its photocatalytic activity towards doxorubicin degradation from water, CERAMICS INTERNATIONAL, Volume: 45, Issue: 2, Special Issue: SI, Pages: 2789-2802, ISSN: 0272-8842, eISSN: 1873-3956, 2019;	3.83	Q1
16.	Gheju, M., Balcu, I. Sustaining the efficiency of the Fe(0)/H <sub>2</sub> O system for Cr(VI) removal by MnO <sub>2</sub> amendment, CHEMOSPHERE, Volume: 214, Pages: 389-398, PubMed ID: 30268895, ISSN: 0045-6535, eISSN: 1879-1298, 2019;	5.778	Q1
17.	Groza, B., Murvay, P.S. Efficient Intrusion Detection With Bloom Filtering in Controller Area Networks, IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, Volume: 14, Issue: 4, Pages: 1037-1051, ISSN: 1556-6013, eISSN: 1556-6021, 2019;	6.013	Q1, Q1
18.	Groza, B., Murvay, P.S. Identity-Based Key Exchange on In-Vehicle Networks: CAN-FD & FlexRay, SENSORS, Volume: 19, Issue: 22, Article Number: 4919, PubMed ID: 31718110, eISSN: 1424-8220, 2019;	3.275	Q2, Q2, Q1
19.	Groza, B., Popa, L., Murvay, P.S. TRICKS-Time TRiggered Covert Key Sharing for Controller Area Networks, IEEE ACCESS, Volume: 7, Pages: 104294-104307, ISSN: 2169-3536, 2019;	3.745	Q1, Q1, Q2

20.	Hadaruga, N.G., Bandur, G.N., David, I., Hadaruga, D.I. A review on thermal analyses of cyclodextrins and cyclodextrin complexes, ENVIRONMENTAL CHEMISTRY LETTERS, Volume: 17, Issue: 1, Pages: 349-373, ISSN: 1610-3653, eISSN: 1610-3661, 2019;	5.922	Q1, Q1, Q1
21.	Halbac-Cotoara-Zamfir, R., Keesstra, S., Kalantari, Z. The impact of political, socio-economic and cultural factors on implementing environment friendly techniques for sustainable land management and climate change mitigation in Romania, SCIENCE OF THE TOTAL ENVIRONMENT, Volume: 654, Pages: 418-429, PubMed ID: 30447580, ISSN: 0048-9697, eISSN: 1879-1026, 2019;	6.551	Q1
22.	Islam, F., Bhattacharya, B., Popescu, I. Flood risk assessment due to cyclone-induced dike breaching in coastal areas of Bangladesh, NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, Volume: 19, Issue: 2, Pages: 353-368, ISSN: 1561-8633, 2019;	3.102	Q1, Q2, Q1
23.	Kang, S.H., Tiwari, A.K., Albulescu, C.T., Yoon, S.M. Exploring the time-frequency connectedness and network among crude oil and agriculture commodities V1, ENERGY ECONOMICS, Volume: 84, Article Number: UNSP 104543, ISSN: 0140-9883, eISSN: 1873-6181, 2019;	5.203	Q1
24.	Kang, S.H., Tiwari, A.K., Albulescu, C.T., Yoon, S.M. Time-frequency co-movements between the largest nonferrous metal futures markets, RESOURCES POLICY, Volume: 61, Pages: 393-398, ISSN: 0301-4207, eISSN: 1873-7641, 2019;	3.986	Q1
25.	Linul, E., Lell, D., Movahedi, N., Codrean, C., Fiedler, T. Compressive properties of zinc syntactic foams at elevated temperatures, COMPOSITES PART B-ENGINEERING, Volume: 167, Pages: 122-134, ISSN: 1359-8368, eISSN: 1879-1069, 2019;	7.635	Q1, Q1
26.	Linul, E., Marsavina, L., Linul, P.A., Kovacik, J. Cryogenic and high temperature compressive properties of Metal Foam Matrix Composites, COMPOSITE STRUCTURES, Volume: 209, Pages: 490-498, ISSN: 0263-8223, eISSN: 1879-1085, 2019;	5.138	Q1, Q1
27.	Maranescu, B., Lupa, L., Visa, A. Synthesis, characterization and rare earth elements adsorption properties of phosphonate metal organic frameworks, APPLIED SURFACE SCIENCE, Volume: 481, Pages: 83-91, ISSN: 0169-4332, eISSN: 1873-5584, 2019;	6.182	Q1, Q1, Q1, Q1
28.	Marsavina, L., Iacoviello, F., Pirvulescu, L.D., Di Cocco, V., Rusu, L. Engineering prediction of fatigue strength for AM50 magnesium alloys, INTERNATIONAL JOURNAL OF FATIGUE, Volume: 127, Pages: 10-15, ISSN: 0142-1123, eISSN: 1879-3452, 2019;	4.369	Q1, Q2
29.	Matekovits, L., de Sabata, A., Silaghi, A.M. Frequency Selective Surface With Two Quasi-Independent Notch Frequencies, IEEE ACCESS, Volume: 7, Pages: 77261-77267, ISSN: 2169-3536, 2019;	3.745	Q1, Q1, Q2
30.	Miclau, M., Kumar, S., Ursu, D., Orha, C., Miclau, N., Rueff, J.M., Malo, S., Martin, C. Ag <sub>2</sub> CrO <sub>4</sub> for photocatalytic applications: High performance of crystals designed by autogenous pressure, MATERIALS CHARACTERIZATION, Volume: 158, Article Number: 109970, ISSN: 1044-5803, eISSN: 1873-4189, 2019;	3.562	Q1, Q2, Q1
31.	Mihailescu, M., Negrea, A., Ciopec, M., Davidescu, C.M., Negrea, P., Duteanu, N., Rusu, G. Gold (III) adsorption from dilute waste solutions onto Amberlite XAD7 resin modified with L-glutamic acid, SCIENTIFIC REPORTS, Volume: 9, Article Number: 8757, PubMed ID: 31217435, ISSN: 2045-2322, 2019;	3.998	Q1
32.	Milici, C., Machado, J.T., Draganescu, G. On the fractional Cornu spirals, COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, Volume: 67, Pages: 100-107, ISSN: 1007-5704, eISSN: 1878-7274, 2019;	4.115	Q1, Q1, Q1, Q1, Q1
33.	Minzatu, V., Davidescu, C.M., Negrea, P., Ciopec, M., Muntean, C., Hulka, I., Paul, C., Negrea, A., Duteanu, N. Synthesis, Characterization and Adsorptive Performances of a Composite Material Based on Carbon and Iron Oxide Particles, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 20, Issue: 7, Article Number: 1609, PubMed ID: 30935127, ISSN: 1422-0067, 2019;	4.556	Q1, Q2
34.	Mosoarca, M., Onescu, I., Onescu, E., Azap, B., Chieffo, N., Szitar-Sirbu, M. Seismic vulnerability assessment for the historical areas of the Timisoara city, Romania, ENGINEERING FAILURE ANALYSIS, Volume: 101, Pages: 86-112, ISSN: 1350-6307, eISSN: 1873-1961, 2019;	2.897	Q2, Q1
35.	Motoc, S., Cretu, C., Costisor, O., Baci, A., Manea, F., Szerb, E.I. Cu(I) Coordination Complex Precursor for Randomized CuOx Microarray Loaded on Carbon Nanofiber with Excellent Electrocatalytic Performance for Electrochemical Glucose Detection, SENSORS, Volume: 19, Issue: 24, Article Number: 5353, PubMed ID: 31817245, eISSN: 1424-8220, 2019;	3.275	Q2, Q2, Q1
36.	Motoc, S., Manea, F., Orha, C., Pop, A. Enhanced Electrochemical Response of Diclofenac at a Fullerene-Carbon Nanofiber Paste Electrode, SENSORS, Volume: 19, Issue: 6, Article Number: 1332, PubMed ID: 30884875, ISSN: 1424-8220, 2019;	3.275	Q2, Q2, Q1
37.	Muntean, S.G., Nistor, M.A., Ianos, R., Pacurariu, C., Capraru, A., Surdu, V.A. Combustion synthesis of Fe <sub>3</sub> O <sub>4</sub> /Ag/C nanocomposite and application for dyes removal from multicomponent systems, APPLIED SURFACE SCIENCE, Volume: 481, Pages: 825-837, ISSN: 0169-4332, eISSN: 1873-5584, 2019;	6.182	Q1, Q1, Q1, Q1
38.	Pana, A.M., Gherman, V., Sfirloaga, P., Rusu, G., Bandur, G., Popa, M., Rusnac, L.M., Dumitrel, G.A. Biodegradation studies on new glycopolymers derived from oligomeric D-mannose itaconates and 2-hydroxypropyl acrylate, POLYMER DEGRADATION AND STABILITY, Volume: 167, Pages: 210-216, ISSN: 0141-3910, eISSN: 1873-2321, 2019;	4.032	Q1

39.	Patrinoiu, G., Dumitru, R., Culita, D.C., Munteanu, C., Birjega, R., Calderon-Moreno, J.M., Cucos, A., Pelinescu, D., Chifiriuc, M.C., Bleotu, C., Carp, O. Self-assembled zinc oxide hierarchical structures with enhanced antibacterial properties from stacked chain-like zinc oxalate compounds, JOURNAL OF COLLOID AND INTERFACE SCIENCE, Volume: 552, Pages: 258-270, PubMed ID: 31129297, ISSN: 0021-9797, eISSN: 1095-7103, 2019;	7.489	Q1
40.	Peyghami, S., Davari, P., Fotuhi-Firuzabad, M., Blaabjerg, F. Standard Test Systems for Modern Power System Analysis An Overview, IEEE INDUSTRIAL ELECTRONICS MAGAZINE, Volume: 13, Issue: 4, Pages: 86-105, ISSN: 1932-4529, eISSN: 1941-0115, 2019;	13.593	Q1
41.	Poletti, E., Vasconcelos, G., Branco, J.M., Isopescu, B. Effects of extreme environmental exposure conditions on the mechanical behaviour of traditional carpentry joints, CONSTRUCTION AND BUILDING MATERIALS, Volume: 213, Pages: 61-78, ISSN: 0950-0618, eISSN: 1879-0526, 2019;	4.419	Q1, Q1, Q2
42.	Rajak, D.K., Mahajan, N.N., Linul, E. Crashworthiness performance and microstructural characteristics of foam-filled thin-walled tubes under diverse strain rate, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 775, Pages: 675-689, ISSN: 0925-8388, eISSN: 1873-4669, 2019;	4.65	Q2, Q2, Q1
43.	Rajak, D.K., Pagar, D.D., Menezes, P.L., Linul, E. Fiber-Reinforced Polymer Composites: Manufacturing, Properties, and Applications, POLYMERS, Volume: 11, Issue: 10, Article Number: 1667, PubMed ID: 31614875, eISSN: 2073-4360, 2019;	3.426	Q1
44.	Reisz, E., Tekle-Roettering, A., Naumov, S., Schmidt, W., Schmidt, T.C. Reaction of 1-propanol with Ozone in Aqueous Media, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 20, Issue: 17, PubMed ID: 31454911, eISSN: 1422-0067, 2019;	4.556	Q1, Q2
45.	Sarbu, I., Dorca, A. Review on heat transfer analysis in thermal energy storage using latent heat storage systems and phase change materials, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 43, Issue: 1, Pages: 29-64, ISSN: 0363-907X, eISSN: 1099-114X, 2019;	3.741	Q2, Q1
46.	Sarbu, I., Mirza, M., Crasmareanu, E. A review of modelling and optimisation techniques for district heating systems, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 43, Issue: 13, Pages: 6572-6598, ISSN: 0363-907X, eISSN: 1099-114X, 2019;	3.741	Q2, Q1
47.	Scorza, D., Marsavina, L., Carpinteri, A., Ronchei, C., Vantadori, S. Size-effect independence of particleboard fracture toughness, COMPOSITE STRUCTURES, Volume: 229, Article Number: UNSP 111374, ISSN: 0263-8223, eISSN: 1879-1085, 2019;	5.138	Q1, Q1
48.	Serafim, V., Chirita-Emandi, A., Andreescu, N., Tiugan, D.A., Tutac, P., Paul, C., Velea, I., Mihailescu, A., Serban, C.L., Zimbru, C.G., Puiu, M., Niculescu, M.D. Single Nucleotide Polymorphisms in PEMT and MTHFR Genes are Associated with Omega 3 and 6 Fatty Acid Levels in the Red Blood Cells of Children with Obesity, NUTRIENTS, Volume: 11, Issue: 11, Article Number: 2600, PubMed ID: 31671528, eISSN: 2072-6643, 2019;	4.546	Q1
49.	Stavi, I., Gusarov, Y., Halbac-Cotoara-Zamfir, R. Collapse and failure of ancient agricultural stone terraces: On-site geomorphic processes, pedogenic mechanisms, and soil quality, GEODERMA, Volume: 344, Pages: 144-152, ISSN: 0016-7061, eISSN: 1872-6259, 2019;	4.848	Q1
50.	Stoia, D.I., Marsavina, L., Linul, E. Correlations between Process Parameters and Outcome Properties of Laser-Sintered Polyamide, POLYMERS, Volume: 11, Issue: 11, Article Number: 1850, PubMed ID: 31717539, eISSN: 2073-4360, 2019;	3.426	Q1
51.	Stoia, M., Pacurariu, C., Mihali, C., Malaescu, I., Marin, C.N., Capraru, A. Manganese ferrite-polyaniline hybrid materials: Electrical and magnetic properties, CERAMICS INTERNATIONAL, Volume: 45, Issue: 2, Special Issue: SI, Pages: 2725-2735, ISSN: 0272-8842, eISSN: 1873-3956, 2019;	3.83	Q1
52.	Tidrea, A., Korodi, A., Silea, I. Cryptographic Considerations for Automation and SCADA Systems Using Trusted Platform Modules, SENSORS, Volume: 19, Issue: 19, Article Number: 4191, PubMed ID: 31569636, eISSN: 1424-8220, 2019;	3.275	Q2, Q2, Q1
53.	Todea, A., Bitcan, I., Aparaschivei, D., Pausescu, I., Badea, V., Peter, F., Gherman, V.D., Rusu, G., Nagy, L., Keki, S. Biodegradable Oligoesters of epsilon-Caprolactone and 5-Hydroxymethyl-2-Furancarboxylic Acid Synthesized by Immobilized Lipases, POLYMERS, Volume: 11, Issue: 9, Article Number: 1402, PubMed ID: 31455024, eISSN: 2073-4360, 2019;	3.426	Q1
54.	Ursu, D., Vajda, M., Miclau, M. Investigation of the p-type dye-sensitized solar cell based on full Cu <sub>2</sub> O electrodes, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 802, Pages: 86-92, ISSN: 0925-8388, eISSN: 1873-4669, 2019;	4.65	Q2, Q2, Q1
55.	Vasilescu, C., Todea, A., Nan, A., Circu, M., Turcu, R., Benea, I.C., Peter, F. Enzymatic synthesis of short-chain flavor esters from natural sources using tailored magnetic biocatalysts, FOOD CHEMISTRY, Volume: 296, Pages: 1-8, PubMed ID: 31202292, ISSN: 0308-8146, eISSN: 1873-7072, 2019.	6.306	Q1, Q1, Q1